

# [MS-UPSDWS]: User Profile Social Data Web Service Protocol Specification

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## Revision Summary

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# Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>14</b>
1.1	Glossary .....	14
1.2	References.....	15
1.2.1	Normative References.....	15
1.2.2	Informative References .....	15
1.3	Protocol Overview (Synopsis) .....	15
1.4	Relationship to Other Protocols.....	16
1.5	Prerequisites/Preconditions .....	16
1.6	Applicability Statement.....	16
1.7	Versioning and Capability Negotiation.....	16
1.8	Vendor-Extensible Fields.....	17
1.9	Standards Assignments .....	17
<b>2</b>	<b>Messages.....</b>	<b>18</b>
2.1	Transport.....	18
2.2	Common Message Syntax .....	18
2.2.1	Namespaces .....	18
2.2.2	Messages .....	18
2.2.3	Elements.....	18
2.2.4	Complex Types .....	18
2.2.4.1	ArrayOfDeletedSocialCommentDetail .....	20
2.2.4.2	ArrayOfDeletedSocialRatingDetail .....	20
2.2.4.3	ArrayOfDeletedSocialTagDetail .....	20
2.2.4.4	ArrayOfSocialCommentDetail .....	20
2.2.4.5	ArrayOfSocialRatingDetail .....	21
2.2.4.6	ArrayOfSocialTagDetail.....	21
2.2.4.7	ArrayOfSocialTermDetail.....	21
2.2.4.8	ArrayOfSocialUrlDetail .....	22
2.2.4.9	ArrayOfString .....	22
2.2.4.10	DeletedSocialCommentDetail.....	22
2.2.4.11	DeletedSocialDataDetail.....	23
2.2.4.12	DeletedSocialRatingDetail .....	23
2.2.4.13	DeletedSocialTagDetail .....	23
2.2.4.14	SocialCommentDetail .....	24
2.2.4.15	SocialDataDetail .....	24
2.2.4.16	SocialRatingDetail .....	24
2.2.4.17	SocialReplicationData .....	25
2.2.4.18	SocialTagDetail.....	25
2.2.4.19	SocialTermDetail.....	26
2.2.4.20	SocialUrlDetail .....	26
2.2.4.21	TermDetail.....	27
2.2.5	Simple Types .....	27
2.2.5.1	guid.....	27
2.2.6	Attributes.....	27
2.2.7	Groups.....	27
2.2.8	Attribute Groups .....	28
<b>3</b>	<b>Protocol Details.....</b>	<b>29</b>
3.1	Server Details .....	29
3.1.1	Abstract Data Model .....	29

3.1.1.1	Social Tags .....	29
3.1.1.2	Notes (Social Comments) .....	29
3.1.1.3	Ratings.....	30
3.1.2	Timers .....	30
3.1.3	Initialization .....	30
3.1.4	Message Processing Events and Sequencing Rules.....	30
3.1.4.1	AddComment .....	32
3.1.4.1.1	Messages .....	33
3.1.4.1.1.1	AddCommentSoapIn .....	33
3.1.4.1.1.2	AddCommentSoapOut .....	33
3.1.4.1.2	Elements.....	33
3.1.4.1.2.1	AddComment .....	33
3.1.4.1.2.2	AddCommentResponse.....	34
3.1.4.1.3	Complex Types .....	34
3.1.4.1.4	Simple Types.....	34
3.1.4.1.5	Attributes.....	34
3.1.4.1.6	Groups.....	34
3.1.4.1.7	Attribute Groups .....	34
3.1.4.2	AddTag .....	34
3.1.4.2.1	Messages .....	35
3.1.4.2.1.1	AddTagSoapIn .....	35
3.1.4.2.1.2	AddTagSoapOut .....	35
3.1.4.2.2	Elements.....	35
3.1.4.2.2.1	AddTag .....	35
3.1.4.2.2.2	AddTagResponse .....	36
3.1.4.2.3	Complex Types .....	36
3.1.4.2.4	Simple Types.....	36
3.1.4.2.5	Attributes.....	36
3.1.4.2.6	Groups.....	36
3.1.4.2.7	Attribute Groups .....	36
3.1.4.3	AddTagByKeyword.....	36
3.1.4.3.1	Messages .....	37
3.1.4.3.1.1	AddTagByKeywordSoapIn .....	37
3.1.4.3.1.2	AddTagByKeywordSoapOut.....	37
3.1.4.3.2	Elements.....	37
3.1.4.3.2.1	AddTagByKeyword.....	37
3.1.4.3.2.2	AddTagByKeywordResponse .....	38
3.1.4.3.3	Complex Types .....	38
3.1.4.3.4	Simple Types.....	38
3.1.4.3.5	Attributes.....	38
3.1.4.3.6	Groups.....	38
3.1.4.3.7	Attribute Groups .....	38
3.1.4.4	CountCommentsOfUser .....	38
3.1.4.4.1	Messages .....	39
3.1.4.4.1.1	CountCommentsOfUserSoapIn .....	39
3.1.4.4.1.2	CountCommentsOfUserSoapOut .....	39
3.1.4.4.2	Elements.....	39
3.1.4.4.2.1	CountCommentsOfUser .....	39
3.1.4.4.2.2	CountCommentsOfUserResponse.....	39
3.1.4.4.3	Complex Types .....	40
3.1.4.4.4	Simple Types.....	40
3.1.4.4.5	Attributes.....	40
3.1.4.4.6	Groups.....	40

3.1.4.4.7	Attribute Groups .....	40
3.1.4.5	CountCommentsOfUserOnUrl .....	40
3.1.4.5.1	Messages .....	40
3.1.4.5.1.1	CountCommentsOfUserOnUrlSoapIn .....	40
3.1.4.5.1.2	CountCommentsOfUserOnUrlSoapOut .....	41
3.1.4.5.2	Elements.....	41
3.1.4.5.2.1	CountCommentsOfUserOnUrl .....	41
3.1.4.5.2.2	CountCommentsOfUserOnUrlResponse .....	41
3.1.4.5.3	Complex Types .....	42
3.1.4.5.4	Simple Types.....	42
3.1.4.5.5	Attributes.....	42
3.1.4.5.6	Groups.....	42
3.1.4.5.7	Attribute Groups .....	42
3.1.4.6	CountCommentsOnUrl .....	42
3.1.4.6.1	Messages .....	42
3.1.4.6.1.1	CountCommentsOnUrlSoapIn .....	42
3.1.4.6.1.2	CountCommentsOnUrlSoapOut.....	42
3.1.4.6.2	Elements.....	43
3.1.4.6.2.1	CountCommentsOnUrl.....	43
3.1.4.6.2.2	CountCommentsOnUrlResponse .....	43
3.1.4.6.3	Complex Types .....	43
3.1.4.6.4	Simple Types.....	43
3.1.4.6.5	Attributes.....	43
3.1.4.6.6	Groups.....	43
3.1.4.6.7	Attribute Groups .....	43
3.1.4.7	CountRatingsOnUrl .....	44
3.1.4.7.1	Messages .....	44
3.1.4.7.1.1	CountRatingsOnUrlSoapIn .....	44
3.1.4.7.1.2	CountRatingsOnUrlSoapOut .....	44
3.1.4.7.2	Elements.....	44
3.1.4.7.2.1	CountRatingsOnUrl .....	44
3.1.4.7.2.2	CountRatingsOnUrlResponse .....	45
3.1.4.7.3	Complex Types .....	45
3.1.4.7.4	Simple Types.....	45
3.1.4.7.5	Attributes.....	45
3.1.4.7.6	Groups.....	45
3.1.4.7.7	Attribute Groups .....	45
3.1.4.8	CountTagsOfUser.....	45
3.1.4.8.1	Messages .....	46
3.1.4.8.1.1	CountTagsOfUserSoapIn.....	46
3.1.4.8.1.2	CountTagsOfUserSoapOut.....	46
3.1.4.8.2	Elements.....	46
3.1.4.8.2.1	CountTagsOfUser.....	46
3.1.4.8.2.2	CountTagsOfUserResponse .....	46
3.1.4.8.3	Complex Types .....	47
3.1.4.8.4	Simple Types.....	47
3.1.4.8.5	Attributes.....	47
3.1.4.8.6	Groups.....	47
3.1.4.8.7	Attribute Groups .....	47
3.1.4.9	DeleteComment .....	47
3.1.4.9.1	Messages .....	47
3.1.4.9.1.1	DeleteCommentSoapIn .....	47
3.1.4.9.1.2	DeleteCommentSoapOut .....	48

3.1.4.9.2	Elements.....	48
3.1.4.9.2.1	DeleteComment .....	48
3.1.4.9.2.2	DeleteCommentResponse .....	48
3.1.4.9.3	Complex Types .....	48
3.1.4.9.4	Simple Types .....	48
3.1.4.9.5	Attributes.....	48
3.1.4.9.6	Groups.....	49
3.1.4.9.7	Attribute Groups .....	49
3.1.4.10	DeleteRating .....	49
3.1.4.10.1	Messages .....	49
3.1.4.10.1.1	DeleteRatingSoapIn .....	49
3.1.4.10.1.2	DeleteRatingSoapOut .....	49
3.1.4.10.2	Elements.....	49
3.1.4.10.2.1	DeleteRating .....	49
3.1.4.10.2.2	DeleteRatingResponse .....	50
3.1.4.10.3	Complex Types .....	50
3.1.4.10.4	Simple Types .....	50
3.1.4.10.5	Attributes.....	50
3.1.4.10.6	Groups.....	50
3.1.4.10.7	Attribute Groups.....	50
3.1.4.11	DeleteTag .....	50
3.1.4.11.1	Messages .....	51
3.1.4.11.1.1	DeleteTagSoapIn .....	51
3.1.4.11.1.2	DeleteTagSoapOut .....	51
3.1.4.11.2	Elements.....	51
3.1.4.11.2.1	DeleteTag .....	51
3.1.4.11.2.2	DeleteTagResponse.....	51
3.1.4.11.3	Complex Types .....	52
3.1.4.11.4	Simple Types .....	52
3.1.4.11.5	Attributes.....	52
3.1.4.11.6	Groups.....	52
3.1.4.11.7	Attribute Groups.....	52
3.1.4.12	DeleteTagByKeyword .....	52
3.1.4.12.1	Messages .....	52
3.1.4.12.1.1	DeleteTagByKeywordSoapIn .....	52
3.1.4.12.1.2	DeleteTagByKeywordSoapOut .....	53
3.1.4.12.2	Elements.....	53
3.1.4.12.2.1	DeleteTagByKeyword .....	53
3.1.4.12.2.2	DeleteTagByKeywordResponse .....	53
3.1.4.12.3	Complex Types .....	53
3.1.4.12.4	Simple Types .....	53
3.1.4.12.5	Attributes.....	53
3.1.4.12.6	Groups.....	54
3.1.4.12.7	Attribute Groups.....	54
3.1.4.13	DeleteTags.....	54
3.1.4.13.1	Messages .....	54
3.1.4.13.1.1	DeleteTagsSoapIn.....	54
3.1.4.13.1.2	DeleteTagsSoapOut.....	54
3.1.4.13.2	Elements.....	54
3.1.4.13.2.1	DeleteTags.....	54
3.1.4.13.2.2	DeleteTagsResponse .....	55
3.1.4.13.3	Complex Types .....	55
3.1.4.13.4	Simple Types .....	55

3.1.4.13.5	Attributes .....	55
3.1.4.13.6	Groups .....	55
3.1.4.13.7	Attribute Groups .....	55
3.1.4.14	GetAllTagTerms .....	55
3.1.4.14.1	Messages .....	56
3.1.4.14.1.1	GetAllTagTermsSoapIn .....	56
3.1.4.14.1.2	GetAllTagTermsSoapOut .....	56
3.1.4.14.2	Elements .....	56
3.1.4.14.2.1	GetAllTagTerms .....	56
3.1.4.14.2.2	GetAllTagTermsResponse .....	56
3.1.4.14.3	Complex Types .....	57
3.1.4.14.4	Simple Types .....	57
3.1.4.14.5	Attributes .....	57
3.1.4.14.6	Groups .....	57
3.1.4.14.7	Attribute Groups .....	57
3.1.4.15	GetAllTagTermsForUrlFolder .....	57
3.1.4.15.1	Messages .....	57
3.1.4.15.1.1	GetAllTagTermsForUrlFolderSoapIn .....	57
3.1.4.15.1.2	GetAllTagTermsForUrlFolderSoapOut .....	58
3.1.4.15.2	Elements .....	58
3.1.4.15.2.1	GetAllTagTermsForUrlFolder .....	58
3.1.4.15.2.2	GetAllTagTermsForUrlFolderResponse .....	58
3.1.4.15.3	Complex Types .....	58
3.1.4.15.4	Simple Types .....	58
3.1.4.15.5	Attributes .....	59
3.1.4.15.6	Groups .....	59
3.1.4.15.7	Attribute Groups .....	59
3.1.4.16	GetAllTagUrls .....	59
3.1.4.16.1	Messages .....	59
3.1.4.16.1.1	GetAllTagUrlsSoapIn .....	59
3.1.4.16.1.2	GetAllTagUrlsSoapOut .....	59
3.1.4.16.2	Elements .....	59
3.1.4.16.2.1	GetAllTagUrls .....	59
3.1.4.16.2.2	GetAllTagUrlsResponse .....	60
3.1.4.16.3	Complex Types .....	60
3.1.4.16.4	Simple Types .....	60
3.1.4.16.5	Attributes .....	60
3.1.4.16.6	Groups .....	60
3.1.4.16.7	Attribute Groups .....	60
3.1.4.17	GetAllTagUrlsByKeyword .....	60
3.1.4.17.1	Messages .....	61
3.1.4.17.1.1	GetAllTagUrlsByKeywordSoapIn .....	61
3.1.4.17.1.2	GetAllTagUrlsByKeywordSoapOut .....	61
3.1.4.17.2	Elements .....	61
3.1.4.17.2.1	GetAllTagUrlsByKeyword .....	61
3.1.4.17.2.2	GetAllTagUrlsByKeywordResponse .....	61
3.1.4.17.3	Complex Types .....	62
3.1.4.17.4	Simple Types .....	62
3.1.4.17.5	Attributes .....	62
3.1.4.17.6	Groups .....	62
3.1.4.17.7	Attribute Groups .....	62
3.1.4.18	GetCommentsOfUser .....	62
3.1.4.18.1	Messages .....	63

3.1.4.18.1.1	GetCommentsOfUserSoapIn .....	63
3.1.4.18.1.2	GetCommentsOfUserSoapOut .....	63
3.1.4.18.2	Elements .....	63
3.1.4.18.2.1	GetCommentsOfUser .....	63
3.1.4.18.2.2	GetCommentsOfUserResponse .....	64
3.1.4.18.3	Complex Types .....	64
3.1.4.18.4	Simple Types .....	64
3.1.4.18.5	Attributes .....	64
3.1.4.18.6	Groups .....	64
3.1.4.18.7	Attribute Groups .....	64
3.1.4.19	GetCommentsOfUserOnUrl .....	64
3.1.4.19.1	Messages .....	65
3.1.4.19.1.1	GetCommentsOfUserOnUrlSoapIn .....	65
3.1.4.19.1.2	GetCommentsOfUserOnUrlSoapOut .....	65
3.1.4.19.2	Elements .....	65
3.1.4.19.2.1	GetCommentsOfUserOnUrl .....	65
3.1.4.19.2.2	GetCommentsOfUserOnUrlResponse .....	65
3.1.4.19.3	Complex Types .....	66
3.1.4.19.4	Simple Types .....	66
3.1.4.19.5	Attributes .....	66
3.1.4.19.6	Groups .....	66
3.1.4.19.7	Attribute Groups .....	66
3.1.4.20	GetCommentsOnUrl .....	66
3.1.4.20.1	Messages .....	66
3.1.4.20.1.1	GetCommentsOnUrlSoapIn .....	66
3.1.4.20.1.2	GetCommentsOnUrlSoapOut .....	67
3.1.4.20.2	Elements .....	67
3.1.4.20.2.1	GetCommentsOnUrl .....	67
3.1.4.20.2.2	GetCommentsOnUrlResponse .....	67
3.1.4.20.3	Complex Types .....	68
3.1.4.20.4	Simple Types .....	68
3.1.4.20.5	Attributes .....	68
3.1.4.20.6	Groups .....	68
3.1.4.20.7	Attribute Groups .....	68
3.1.4.21	GetRatingAverageOnUrl .....	68
3.1.4.21.1	Messages .....	68
3.1.4.21.1.1	GetRatingAverageOnUrlSoapIn .....	69
3.1.4.21.1.2	GetRatingAverageOnUrlSoapOut .....	69
3.1.4.21.2	Elements .....	69
3.1.4.21.2.1	GetRatingAverageOnUrl .....	69
3.1.4.21.2.2	GetRatingAverageOnUrlResponse .....	69
3.1.4.21.3	Complex Types .....	70
3.1.4.21.3.1	SocialRatingAverageDetail .....	70
3.1.4.21.4	Simple Types .....	70
3.1.4.21.5	Attributes .....	70
3.1.4.21.6	Groups .....	71
3.1.4.21.7	Attribute Groups .....	71
3.1.4.22	GetRatingOfUserOnUrl .....	71
3.1.4.22.1	Messages .....	71
3.1.4.22.1.1	GetRatingOfUserOnUrlSoapIn .....	71
3.1.4.22.1.2	GetRatingOfUserOnUrlSoapOut .....	71
3.1.4.22.2	Elements .....	71
3.1.4.22.2.1	GetRatingOfUserOnUrl .....	72



3.1.4.22.2.2	GetRatingOfUserOnUrlResponse .....	72
3.1.4.22.3	Complex Types .....	72
3.1.4.22.4	Simple Types .....	72
3.1.4.22.5	Attributes .....	72
3.1.4.22.6	Groups.....	72
3.1.4.22.7	Attribute Groups.....	73
3.1.4.23	GetRatingOnUrl .....	73
3.1.4.23.1	Messages .....	73
3.1.4.23.1.1	GetRatingOnUrlSoapIn .....	73
3.1.4.23.1.2	GetRatingOnUrlSoapOut .....	73
3.1.4.23.2	Elements .....	73
3.1.4.23.2.1	GetRatingOnUrl .....	73
3.1.4.23.2.2	GetRatingOnUrlResponse .....	74
3.1.4.23.3	Complex Types .....	74
3.1.4.23.4	Simple Types .....	74
3.1.4.23.5	Attributes .....	74
3.1.4.23.6	Groups.....	74
3.1.4.23.7	Attribute Groups.....	74
3.1.4.24	GetRatingsOfUser .....	74
3.1.4.24.1	Messages .....	75
3.1.4.24.1.1	GetRatingsOfUserSoapIn .....	75
3.1.4.24.1.2	GetRatingsOfUserSoapOut .....	75
3.1.4.24.2	Elements .....	75
3.1.4.24.2.1	GetRatingsOfUser .....	75
3.1.4.24.2.2	GetRatingsOfUserResponse .....	75
3.1.4.24.3	Complex Types .....	76
3.1.4.24.4	Simple Types .....	76
3.1.4.24.5	Attributes .....	76
3.1.4.24.6	Groups.....	76
3.1.4.24.7	Attribute Groups.....	76
3.1.4.25	GetRatingsOnUrl .....	76
3.1.4.25.1	Messages .....	76
3.1.4.25.1.1	GetRatingsOnUrlSoapIn .....	76
3.1.4.25.1.2	GetRatingsOnUrlSoapOut.....	77
3.1.4.25.2	Elements .....	77
3.1.4.25.2.1	GetRatingsOnUrl .....	77
3.1.4.25.2.2	GetRatingsOnUrlResponse.....	77
3.1.4.25.3	Complex Types .....	77
3.1.4.25.4	Simple Types .....	77
3.1.4.25.5	Attributes .....	78
3.1.4.25.6	Groups.....	78
3.1.4.25.7	Attribute Groups.....	78
3.1.4.26	GetSocialDataForFullReplication .....	78
3.1.4.26.1	Messages .....	78
3.1.4.26.1.1	GetSocialDataForFullReplicationSoapIn .....	78
3.1.4.26.1.2	GetSocialDataForFullReplicationSoapOut.....	78
3.1.4.26.2	Elements .....	78
3.1.4.26.2.1	GetSocialDataForFullReplication .....	79
3.1.4.26.2.2	GetSocialDataForFullReplicationResponse .....	79
3.1.4.26.3	Complex Types .....	79
3.1.4.26.4	Simple Types .....	79
3.1.4.26.5	Attributes .....	79
3.1.4.26.6	Groups.....	79

3.1.4.26.7	Attribute Groups.....	79
3.1.4.27	GetSocialDataForIncrementalReplication .....	80
3.1.4.27.1	Messages .....	80
3.1.4.27.1.1	GetSocialDataForIncrementalReplicationSoapIn .....	80
3.1.4.27.1.2	GetSocialDataForIncrementalReplicationSoapOut .....	80
3.1.4.27.2	Elements .....	80
3.1.4.27.2.1	GetSocialDataForIncrementalReplication .....	80
3.1.4.27.2.2	GetSocialDataForIncrementalReplicationResponse .....	81
3.1.4.27.3	Complex Types .....	81
3.1.4.27.4	Simple Types .....	81
3.1.4.27.5	Attributes .....	81
3.1.4.27.6	Groups.....	81
3.1.4.27.7	Attribute Groups.....	81
3.1.4.28	GetTags.....	81
3.1.4.28.1	Messages .....	82
3.1.4.28.1.1	GetTagsSoapIn.....	82
3.1.4.28.1.2	GetTagsSoapOut.....	82
3.1.4.28.2	Elements .....	82
3.1.4.28.2.1	GetTags.....	82
3.1.4.28.2.2	GetTagsResponse .....	82
3.1.4.28.3	Complex Types .....	83
3.1.4.28.4	Simple Types .....	83
3.1.4.28.5	Attributes .....	83
3.1.4.28.6	Groups.....	83
3.1.4.28.7	Attribute Groups.....	83
3.1.4.29	GetTagsOfUser .....	83
3.1.4.29.1	Messages .....	83
3.1.4.29.1.1	GetTagsOfUserSoapIn .....	84
3.1.4.29.1.2	GetTagsOfUserSoapOut .....	84
3.1.4.29.2	Elements .....	84
3.1.4.29.2.1	GetTagsOfUser .....	84
3.1.4.29.2.2	GetTagsOfUserResponse .....	84
3.1.4.29.3	Complex Types .....	85
3.1.4.29.4	Simple Types .....	85
3.1.4.29.5	Attributes .....	85
3.1.4.29.6	Groups.....	85
3.1.4.29.7	Attribute Groups.....	85
3.1.4.30	GetTagTerms .....	85
3.1.4.30.1	Messages .....	85
3.1.4.30.1.1	GetTagTermsSoapIn .....	86
3.1.4.30.1.2	GetTagTermsSoapOut .....	86
3.1.4.30.2	Elements .....	86
3.1.4.30.2.1	GetTagTerms .....	86
3.1.4.30.2.2	GetTagTermsResponse .....	86
3.1.4.30.3	Complex Types .....	87
3.1.4.30.4	Simple Types .....	87
3.1.4.30.5	Attributes .....	87
3.1.4.30.6	Groups.....	87
3.1.4.30.7	Attribute Groups.....	87
3.1.4.31	GetTagTermsOfUser .....	87
3.1.4.31.1	Messages .....	87
3.1.4.31.1.1	GetTagTermsOfUserSoapIn .....	87
3.1.4.31.1.2	GetTagTermsOfUserSoapOut .....	88

3.1.4.31.2	Elements .....	88
3.1.4.31.2.1	GetTagTermsOfUser .....	88
3.1.4.31.2.2	GetTagTermsOfUserResponse .....	88
3.1.4.31.3	Complex Types .....	89
3.1.4.31.4	Simple Types .....	89
3.1.4.31.5	Attributes .....	89
3.1.4.31.6	Groups .....	89
3.1.4.31.7	Attribute Groups .....	89
3.1.4.32	GetTagTermsOnUrl .....	89
3.1.4.32.1	Messages .....	89
3.1.4.32.1.1	GetTagTermsOnUrlSoapIn .....	89
3.1.4.32.1.2	GetTagTermsOnUrlSoapOut .....	89
3.1.4.32.2	Elements .....	90
3.1.4.32.2.1	GetTagTermsOnUrl .....	90
3.1.4.32.2.2	GetTagTermsOnUrlResponse .....	90
3.1.4.32.3	Complex Types .....	90
3.1.4.32.4	Simple Types .....	90
3.1.4.32.5	Attributes .....	91
3.1.4.32.6	Groups .....	91
3.1.4.32.7	Attribute Groups .....	91
3.1.4.33	GetTagUrls .....	91
3.1.4.33.1	Messages .....	91
3.1.4.33.1.1	GetTagUrlsSoapIn .....	91
3.1.4.33.1.2	GetTagUrlsSoapOut .....	91
3.1.4.33.2	Elements .....	91
3.1.4.33.2.1	GetTagUrls .....	91
3.1.4.33.2.2	GetTagUrlsResponse .....	92
3.1.4.33.3	Complex Types .....	92
3.1.4.33.4	Simple Types .....	92
3.1.4.33.5	Attributes .....	92
3.1.4.33.6	Groups .....	92
3.1.4.33.7	Attribute Groups .....	92
3.1.4.34	GetTagUrlsByKeyword .....	92
3.1.4.34.1	Messages .....	93
3.1.4.34.1.1	GetTagUrlsByKeywordSoapIn .....	93
3.1.4.34.1.2	GetTagUrlsByKeywordSoapOut .....	93
3.1.4.34.2	Elements .....	93
3.1.4.34.2.1	GetTagUrlsByKeyword .....	93
3.1.4.34.2.2	GetTagUrlsByKeywordResponse .....	93
3.1.4.34.3	Complex Types .....	94
3.1.4.34.4	Simple Types .....	94
3.1.4.34.5	Attributes .....	94
3.1.4.34.6	Groups .....	94
3.1.4.34.7	Attribute Groups .....	94
3.1.4.35	GetTagUrlsOfUser .....	94
3.1.4.35.1	Messages .....	94
3.1.4.35.1.1	GetTagUrlsOfUserSoapIn .....	95
3.1.4.35.1.2	GetTagUrlsOfUserSoapOut .....	95
3.1.4.35.2	Elements .....	95
3.1.4.35.2.1	GetTagUrlsOfUser .....	95
3.1.4.35.2.2	GetTagUrlsOfUserResponse .....	95
3.1.4.35.3	Complex Types .....	96
3.1.4.35.4	Simple Types .....	96

3.1.4.35.5	Attributes .....	96
3.1.4.35.6	Groups .....	96
3.1.4.35.7	Attribute Groups .....	96
3.1.4.36	GetTagUrlsOfUserByKeyword .....	96
3.1.4.36.1	Messages .....	96
3.1.4.36.1.1	GetTagUrlsOfUserByKeywordSoapIn .....	96
3.1.4.36.1.2	GetTagUrlsOfUserByKeywordSoapOut .....	97
3.1.4.36.2	Elements .....	97
3.1.4.36.2.1	GetTagUrlsOfUserByKeyword .....	97
3.1.4.36.2.2	GetTagUrlsOfUserByKeywordResponse .....	97
3.1.4.36.3	Complex Types .....	98
3.1.4.36.4	Simple Types .....	98
3.1.4.36.5	Attributes .....	98
3.1.4.36.6	Groups .....	98
3.1.4.36.7	Attribute Groups .....	98
3.1.4.37	PropagateRating .....	98
3.1.4.37.1	Messages .....	98
3.1.4.37.1.1	PropagateRatingSoapIn .....	98
3.1.4.37.1.2	PropagateRatingSoapOut .....	98
3.1.4.37.2	Elements .....	99
3.1.4.37.2.1	PropagateRating .....	99
3.1.4.37.2.2	PropagateRatingResponse .....	99
3.1.4.37.3	Complex Types .....	99
3.1.4.37.4	Simple Types .....	99
3.1.4.37.5	Attributes .....	99
3.1.4.37.6	Groups .....	99
3.1.4.37.7	Attribute Groups .....	99
3.1.4.38	ReplicateFullSocialData .....	99
3.1.4.38.1	Messages .....	100
3.1.4.38.1.1	ReplicateFullSocialDataSoapIn .....	100
3.1.4.38.1.2	ReplicateFullSocialDataSoapOut .....	100
3.1.4.38.2	Elements .....	100
3.1.4.38.2.1	ReplicateFullSocialData .....	100
3.1.4.38.2.2	ReplicateFullSocialDataResponse .....	101
3.1.4.38.3	Complex Types .....	101
3.1.4.38.4	Simple Types .....	101
3.1.4.38.5	Attributes .....	101
3.1.4.38.6	Groups .....	101
3.1.4.38.7	Attribute Groups .....	101
3.1.4.39	ReplicateIncrementalSocialData .....	101
3.1.4.39.1	Messages .....	102
3.1.4.39.1.1	ReplicateIncrementalSocialDataSoapIn .....	102
3.1.4.39.1.2	ReplicateIncrementalSocialDataSoapOut .....	102
3.1.4.39.2	Elements .....	102
3.1.4.39.2.1	ReplicateIncrementalSocialData .....	102
3.1.4.39.2.2	ReplicateIncrementalSocialDataResponse .....	102
3.1.4.39.3	Complex Types .....	103
3.1.4.39.4	Simple Types .....	103
3.1.4.39.5	Attributes .....	103
3.1.4.39.6	Groups .....	103
3.1.4.39.7	Attribute Groups .....	103
3.1.4.40	SetRating .....	103
3.1.4.40.1	Messages .....	103

3.1.4.40.1.1	SetRatingSoapIn.....	103
3.1.4.40.1.2	SetRatingSoapOut .....	104
3.1.4.40.2	Elements .....	104
3.1.4.40.2.1	SetRating .....	104
3.1.4.40.2.2	SetRatingResponse .....	104
3.1.4.40.3	Complex Types .....	105
3.1.4.40.3.1	FeedbackData .....	105
3.1.4.40.4	Simple Types .....	106
3.1.4.40.5	Attributes .....	106
3.1.4.40.6	Groups.....	106
3.1.4.40.7	Attribute Groups.....	107
3.1.4.41	UpdateComment.....	107
3.1.4.41.1	Messages .....	107
3.1.4.41.1.1	UpdateCommentSoapIn.....	107
3.1.4.41.1.2	UpdateCommentSoapOut.....	107
3.1.4.41.2	Elements .....	107
3.1.4.41.2.1	UpdateComment.....	107
3.1.4.41.2.2	UpdateCommentResponse .....	108
3.1.4.41.3	Complex Types .....	108
3.1.4.41.4	Simple Types .....	108
3.1.4.41.5	Attributes .....	108
3.1.4.41.6	Groups.....	108
3.1.4.41.7	Attribute Groups.....	108
3.1.5	Timer Events .....	109
3.1.6	Other Local Events .....	109
<b>4</b>	<b>Protocol Examples.....</b>	<b>110</b>
4.1	Add Social Data to a URI .....	110
4.2	View Social Data Comments.....	111
4.3	Delete Social Data Comments .....	114
4.4	Find Social Data Tags.....	114
4.5	Delete Social Data Tags.....	116
4.6	Add Social Ratings to a URI.....	116
4.7	Find Information about Social Ratings .....	117
4.8	Delete Social Ratings.....	119
<b>5</b>	<b>Security.....</b>	<b>121</b>
5.1	Security Considerations for Implementers.....	121
5.2	Index of Security Parameters .....	121
<b>6</b>	<b>Appendix A: Full WSDL.....</b>	<b>122</b>
<b>7</b>	<b>Appendix B: Product Behavior.....</b>	<b>160</b>
<b>8</b>	<b>Change Tracking.....</b>	<b>161</b>
<b>9</b>	<b>Index .....</b>	<b>162</b>

# 1 Introduction

This document specifies the User Profile Social Data Web Service Protocol, which is used to add, remove, and retrieve user-provided data that facilitates social networking. These data are in the form of tags, notes, and ratings about documents, Web pages, and other types of items that are stored on a protocol server.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

**Hypertext Transfer Protocol (HTTP)**  
**Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**

The following terms are defined in [\[MS-OFCGLOS\]](#):

**back-end database server**  
**content database**  
**current user**  
**document**  
**field**  
**Hypertext Markup Language (HTML)**  
**list item**  
**Simple Object Access Protocol (SOAP)**  
**site**  
**SOAP action**  
**SOAP body**  
**SOAP fault**  
**social comment**  
**social data**  
**social rating**  
**social tag**  
**term**  
**term store**  
**timestamp**  
**Uniform Resource Identifier (URI)**  
**Uniform Resource Locator (URL)**  
**user profile**  
**Web Services Description Language (WSDL)**  
**WSDL message**  
**WSDL operation**  
**XML namespace**  
**XML namespace prefix**

The following terms are specific to this document:

**social tag term:** A user-defined keyword for a Web page or item on a SharePoint site or the Internet. Individual users create social tags and, by default, share them with other users.

**social tag URL:** The address of a Web page or item on a SharePoint site or the Internet for which a user created a social tag.

**social tag user:** The user who created a social tag.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, <http://www.w3.org/TR/2009/REC-xml-names-20091208/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

### 1.2.2 Informative References

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

## 1.3 Protocol Overview (Synopsis)

This protocol allows a protocol client to add, remove, and retrieve **social tags**, **social comments**, and **social ratings** for **documents**, Web pages, and other types of items that are stored on a

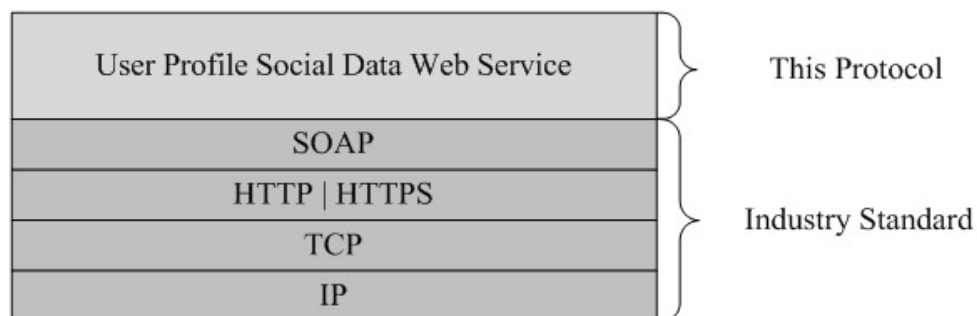
protocol server. This protocol allows the protocol client to pass criteria to the protocol server and to receive a list of social tags, social comments, and social ratings.

A typical scenario for using this protocol is a social networking application. A social tag is a descriptive term that a user assigns to the content at a **URI**. A social comment is a textual note that a user adds to a document or Web page. A social rating is a user's assessment, from one to five stars, of the quality of a document or list item. An application can use this protocol to add, remove, and retrieve social tags, social comments, and social ratings.

## 1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), or **HTTPS**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:



**Figure 1: This protocol in relation to other protocols**

## 1.5 Prerequisites/Preconditions

This protocol operates against a **site (2)** that is identified by a URL that is known by protocol clients. The protocol server endpoint is formed by appending "\_vti\_bin/socialdataservice.asmx" to the URL of the site, for example [http://www.example.com/Repository/\\_vti\\_bin/socialdataservice.asmx](http://www.example.com/Repository/_vti_bin/socialdataservice.asmx).

This protocol assumes that authentication has been performed by the underlying protocols.

## 1.6 Applicability Statement

This protocol was designed to support a scale point of approximately 2 million user profiles and an average of 500 social tags, 300 social comments, and 300 social ratings across all of those user profiles.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending SOAP messages, as specified in [section 2.1](#).
- **Protocol Versions:** This protocol is not versioned.
- **Capability Negotiation:** This protocol does not support version negotiation.



## **1.8 Vendor-Extensible Fields**

None.

## **1.9 Standards Assignments**

None.

## 2 Messages

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The **WSDL** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect protocol behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

### 2.1 Transport

Protocol servers **MUST** support SOAP over HTTP. Protocol servers **SHOULD** additionally support SOAP over HTTPS to help secure communications with protocol clients.

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Server faults **MUST** be returned by using either HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

### 2.2 Common Message Syntax

This section contains common definitions used by this protocol. The syntax of the definitions uses the XML Schema as defined in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and WSDL (Web Services Description Language) as defined in [\[WSDL\]](#).

#### 2.2.1 Namespaces

This specification specifies and references various **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

#### 2.2.2 Messages

None.

#### 2.2.3 Elements

This specification does not define any common XML Schema element definitions.

#### 2.2.4 Complex Types

The following table summarizes the set of common XML Schema complex type definitions defined by this specification. XML Schema complex type definitions that are specific to a particular operation are described with the operation.

Complex Type	Description
ArrayOfDeletedSocialCommentDetail	The <b>ArrayOfDeletedSocialCommentDetail</b> complex type contains zero or more <b>DeletedSocialCommentDetail</b> elements.
ArrayOfDeletedSocialRatingDetail	The <b>ArrayOfDeletedSocialRatingDetail</b> complex type contains zero or more <b>DeletedSocialRatingDetail</b> elements.

Complex Type	Description
ArrayOfDeletedSocialTagDetail	The <b>ArrayOfDeletedSocialTagDetail</b> complex type contains zero or more <b>DeletedSocialTagDetail</b> elements.
ArrayOfSocialCommentDetail	The <b>ArrayOfSocialCommentDetail</b> complex type contains zero or more <b>SocialCommentDetail</b> elements.
ArrayOfSocialRatingDetail	The <b>ArrayOfSocialRatingDetail</b> complex type contains zero or more <b>SocialRatingDetail</b> elements.
ArrayOfSocialTagDetail	The <b>ArrayOfSocialTagDetail</b> complex type contains zero or more <b>SocialTagDetail</b> elements.
ArrayOfSocialTermDetail	The <b>ArrayOfSocialTermDetail</b> complex type contains zero or more <b>SocialTermDetail</b> elements.
ArrayOfSocialUriDetail	The <b>ArrayOfSocialUriDetail</b> complex type contains zero or more <b>SocialUriDetail</b> elements.
ArrayOfString	The <b>ArrayOfString</b> complex type contains zero or more strings.
DeletedSocialCommentDetail	The <b>DeletedSocialCommentDetail</b> complex type contains the data within and about a deleted social comment.
DeletedSocialDataDetail	The <b>DeletedSocialDataDetail</b> complex type contains the data within and about deleted social data. This is the base type for <b>DeletedSocialCommentDetail</b> , <b>DeletedSocialRatingDetail</b> and <b>DeletedSocialTagDetail</b> complex types.
DeletedSocialRatingDetail	The <b>DeletedSocialRatingDetail</b> complex type contains the data within and about a deleted social rating.
DeletedSocialTagDetail	The <b>DeletedSocialTagDetail</b> complex type contains the data within and about a deleted social tag.
SocialCommentDetail	The <b>SocialCommentDetail</b> complex type contains the data within and about a social comment.
SocialDataDetail	The <b>SocialDataDetail</b> complex type contains the data within and about social data. This is the base type for <b>SocialCommentDetail</b> , <b>SocialRatingDetail</b> and <b>SocialTagDetail</b> complex types.
SocialRatingDetail	The <b>SocialRatingDetail</b> complex type contains information about a social rating.
SocialReplicationData	The <b>SocialReplicationData</b> complex type contains information about current and deleted social tags, comments and ratings.
SocialTagDetail	The <b>SocialTagDetail</b> complex type contains information about a social tag.
SocialTermDetail	The <b>SocialTermDetail</b> complex type contains a term and count of a <b>social tag term</b> .
SocialUriDetail	The <b>SocialUriDetail</b> complex type contains a string in URI format and the count of social tags that are associated with that URI.
TermDetail	The <b>TermDetail</b> complex type contains information for a social tag term.

#### 2.2.4.1 ArrayOfDeletedSocialCommentDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfDeletedSocialCommentDetail** complex type contains zero or more **DeletedSocialCommentDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialCommentDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialCommentDetail"
      nillable="true" type="tns:DeletedSocialCommentDetail"/>
  </xs:sequence>
</xs:complexType>
```

**DeletedSocialCommentDetail:** A **DeletedSocialCommentDetail** complex type (section [2.2.4.10](#)) that contains the deleted comment information.

#### 2.2.4.2 ArrayOfDeletedSocialRatingDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfDeletedSocialRatingDetail** complex type contains zero or more **DeletedSocialRatingDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialRatingDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialRatingDetail"
      nillable="true" type="tns:DeletedSocialRatingDetail"/>
  </xs:sequence>
</xs:complexType>
```

**DeletedSocialRatingDetail:** A **DeletedSocialRatingDetail** complex type (section [2.2.4.12](#)) that contains the deleted rating information.

#### 2.2.4.3 ArrayOfDeletedSocialTagDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfDeletedSocialTagDetail** complex type contains zero or more **DeletedSocialTagDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialTagDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialTagDetail"
      nillable="true" type="tns:DeletedSocialTagDetail"/>
  </xs:sequence>
</xs:complexType>
```

**DeletedSocialTagDetail:** A **DeletedSocialTagDetail** complex type (section [2.2.4.13](#)) that contains the deleted tag information.

#### 2.2.4.4 ArrayOfSocialCommentDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfSocialCommentDetail** complex type contains zero or more **SocialCommentDetail** elements.

```
<xs:complexType name="ArrayOfSocialCommentDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialCommentDetail"
      nillable="true" type="tns:SocialCommentDetail"/>
  </xs:sequence>
</xs:complexType>
```

**SocialCommentDetail:** A **SocialCommentDetail** complex type (section [2.2.4.14](#)) that contains comment information.

#### 2.2.4.5 ArrayOfSocialRatingDetail

**Namespace:** <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialRatingDetail** complex type contains zero or more **SocialRatingDetail** elements.

```
<xs:complexType name="ArrayOfSocialRatingDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialRatingDetail" nillable="true"
      type="tns:SocialRatingDetail"/>
  </xs:sequence>
</xs:complexType>
```

**SocialRatingDetail:** A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the rating information.

#### 2.2.4.6 ArrayOfSocialTagDetail

**Namespace:** <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialTagDetail** complex type contains zero or more **SocialTagDetail** elements.

```
<xs:complexType name="ArrayOfSocialTagDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialTagDetail" nillable="true"
      type="tns:SocialTagDetail"/>
  </xs:sequence>
</xs:complexType>
```

**SocialTagDetail:** A **SocialTagDetail** (section [2.2.4.18](#)) that contains the tag information.

#### 2.2.4.7 ArrayOfSocialTermDetail

**Namespace:** <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialTermDetail** complex type contains zero or more **SocialTermDetail** elements.

```
<xs:complexType name="ArrayOfSocialTermDetail">
  <xs:sequence>
```

```

    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialTermDetail" nillable="true"
type="tns:SocialTermDetail"/>
  </xs:sequence>
</xs:complexType>

```

**SocialTermDetail:** A **SocialTermDetail** complex type (section [2.2.4.19](#)) that contains the term information.

#### 2.2.4.8 ArrayOfSocialUrlDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfSocialUrlDetail** complex type contains zero or more **SocialUrlDetail** elements.

```

<xs:complexType name="ArrayOfSocialUrlDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialUrlDetail" nillable="true"
type="tns:SocialUrlDetail"/>
  </xs:sequence>
</xs:complexType>

```

**SocialUrlDetail:** A **SocialUrlDetail** complex type (section [2.2.4.20](#)) that contains the **social tag URL** information.

#### 2.2.4.9 ArrayOfString

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfString** complex type contains zero or more strings.

```

<xs:complexType name="ArrayOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**string:** A string.

#### 2.2.4.10 DeletedSocialCommentDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialCommentDetail** complex type contains the data within and about a deleted social comment.

```

<xs:complexType name="DeletedSocialCommentDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>

```

```
</xs:complexType>
```

**LastModifiedTime:** A value containing the last modified time of the comment.

#### 2.2.4.11 DeletedSocialDataDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialDataDetail** complex type contains the data within and about deleted social data. This is the base type for **DeletedSocialCommentDetail**, **DeletedSocialRatingDetail** and **DeletedSocialTagDetail** complex types.

```
<xs:complexType name="DeletedSocialDataDetail" abstract="true">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="DeletedTime" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>
```

**Url:** A string type that specifies the URL that is associated with the social data.

**Owner:** A string type that specifies the owner account that is associated with the social data.

**DeletedTime:** A value containing the deleted time of the social data.

#### 2.2.4.12 DeletedSocialRatingDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialRatingDetail** complex type contains the data within and about a deleted social rating.

```
<xs:complexType name="DeletedSocialRatingDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.13 DeletedSocialTagDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialTagDetail** complex type contains the data within and about a deleted social tag.

```
<xs:complexType name="DeletedSocialTagDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="TermID"
          xmlns:q13="http://microsoft.com/wsdl/types/" type="q13:guid"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
```

```
</xs:complexType>
```

**TermID:** A unique identifier for the term that was deleted.

#### 2.2.4.14 SocialCommentDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialCommentDetail** complex type contains the data within and about a social comment.

```
<xs:complexType name="SocialCommentDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Comment" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsHighPriority" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**Comment:** A string type that contains the body of the social comment.

**IsHighPriority:** A Boolean flag that specifies the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

#### 2.2.4.15 SocialDataDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialDataDetail** complex type contains the data within and about social data. This is the base type for **SocialCommentDetail**, **SocialRatingDetail** and **SocialTagDetail** complex types.

```
<xs:complexType name="SocialDataDetail" abstract="true">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**Url:** A string type that specifies the URL that is associated with the social data.

**Owner:** A string type that specifies the owner account that is associated with the social data.

**LastModifiedTime:** A value containing the last modified time of the social data.

**Title:** A string type that contains the title of the social data.

#### 2.2.4.16 SocialRatingDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService



The **SocialRatingDetail** complex type contains information about a social rating.

```
<xs:complexType name="SocialRatingDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="Rating" type="xs:int"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**Rating:** An integer type that specifies the rating value. The valid range for this value is 1 through 5. A value of 1 is a low rating, while a value of 5 is the highest rating possible.

#### 2.2.4.17 SocialReplicationData

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialReplicationData** complex type contains information about current and deleted social tags, comments and ratings.

```
<xs:complexType name="SocialReplicationData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Tags" type="tns:ArrayOfSocialTagDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Comments"
type="tns:ArrayOfSocialCommentDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Ratings"
type="tns:ArrayOfSocialRatingDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedTags"
type="tns:ArrayOfDeletedSocialTagDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedComments"
type="tns:ArrayOfDeletedSocialCommentDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedRatings"
type="tns:ArrayOfDeletedSocialRatingDetail"/>
  </xs:sequence>
</xs:complexType>
```

**Tags:** An **ArrayOfSocialTagDetail** type element that contains the social tags.

**Comments:** An **ArrayOfSocialCommentDetail** type element that contains the social comments.

**Ratings:** An **ArrayOfSocialRatingDetail** type element that contains the social ratings.

**DeletedTags:** An **ArrayOfDeletedSocialTagDetail** type element that contains the deleted social tags.

**DeletedComments:** An **ArrayOfDeletedSocialCommentDetail** type element that contains the deleted social comments.

**DeletedRatings:** An **ArrayOfDeletedSocialRatingDetail** type element that contains the deleted social ratings.

#### 2.2.4.18 SocialTagDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialTagDetail** complex type contains information about a social tag.

```
<xs:complexType name="SocialTagDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Term" type="tns:TermDetail"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsPrivate" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**Term:** A **TermDetail** complex type (section [2.2.4.18](#)) that contains term information for the social tag.

**IsPrivate:** A Boolean value that specifies whether the social tag is private. A value of **true** is used to specify that the social tag is private. A value of **false** is used to specify that the social tag is not private.

#### 2.2.4.19 SocialTermDetail

**Namespace:** <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialTermDetail** complex type contains a term and count of a social tag term.

```
<xs:complexType name="SocialTermDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Term" type="tns:TermDetail"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
  </xs:sequence>
</xs:complexType>
```

**Term:** A **TermDetail** complex type (section [2.2.4.18](#)) that contains a social tag term.

**Count:** A **long** type that specifies the number of **social data** elements that contain the **Term** for the given results.

#### 2.2.4.20 SocialUrlDetail

**Namespace:** <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialUrlDetail** complex type contains a string in URI format and the count of social tags that are associated with that URI.

```
<xs:complexType name="SocialUrlDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
  </xs:sequence>
</xs:complexType>
```

**Url:** A string that specifies the URL that is associated with the **SocialUrlDetail**.

**Count:** A **long** type that specifies the number of social data elements that contain the **Url** for the given results.

#### 2.2.4.21 TermDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **TermDetail** complex type contains information for a social tag term.

```
<xs:complexType name="TermDetail">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="Id"
      xmlns:q7="http://microsoft.com/wsdl/types/" type="q7:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**Id:** A GUID type that specifies an identifier for the **term**.

**Name:** A string that contains the name of the social tag term.

### 2.2.5 Simple Types

The following table summarizes the set of common XML Schema simple type definitions defined by this specification. XML Schema simple type definitions that are specific to a particular operation are described with the operation.

Simple Type	Description
guid	The <b>guid</b> simple type is a string that matches the following pattern. The <b>guid</b> simple type is from the namespace http://microsoft.com/wsdl/types/.

#### 2.2.5.1 guid

**Namespace:** http://microsoft.com/wsdl/types/

The **guid** simple type is a string that matches the following pattern. The **guid** simple type is from the namespace http://microsoft.com/wsdl/types/.

```
<xs:simpleType name="guid">
  <xs:restriction base="xs:string">
    <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}"/>
  </xs:restriction>
</xs:simpleType>
```

#### 2.2.6 Attributes

This specification does not define any common XML Schema attribute definitions.

#### 2.2.7 Groups

This specification does not define any common XML Schema group definitions.

### **2.2.8 Attribute Groups**

This specification does not define any common XML Schema attribute group definitions.

## 3 Protocol Details

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect protocol behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes that are returned by the protocol server as specified in [\[RFC2616\]](#) section 10.

This protocol allows protocol servers to notify protocol clients of application-level faults by using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults by using either HTTP status codes or SOAP faults as specified in this section.

### 3.1 Server Details

#### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

##### 3.1.1.1 Social Tags

This protocol enables users to add descriptive keywords to documents and Web pages that were published with a URI. The tags are stored on a **back-end database server** and are not part of the document or Web page with which they are associated. Each social tag has an identifier, which is retrieved from a **term store**, and is associated with a URL. Other information that is stored on a back-end database server includes the person who applied the social tag, a flag that specifies whether the tag is visible only to the person who applied the social tag, and the date when the social tag was last modified.

##### 3.1.1.2 Notes (Social Comments)

This protocol enables users to add textual comments to documents and Web pages that were published with a URI. The comments are stored on a back-end database server and are not part of the document or Web page with which they are associated. Each comment has an identifier and is associated with a URI. Other information that is stored on a back-end database server includes the author of the comment and the date when the comment was last modified.

### 3.1.1.3 Ratings

This protocol enables users to rate documents and **list items** that are stored on a protocol server. The ratings scale is from one to five stars, inclusive. Ratings are stored on a back-end database server and are not part of the documents or list items with which they are associated. Ratings are aggregated on a per item basis. The number of people who rated an item and the average rating for that item is calculated periodically and stored in a **content database**. Each rating has an identifier and is associated with a URI. Other information that is stored on a back-end database server includes the author of the rating and the date when the rating was last modified.

### 3.1.2 Timers

None.

### 3.1.3 Initialization

None.

### 3.1.4 Message Processing Events and Sequencing Rules

This specification includes the following **WSDL operations**:

WSDL Operation	Description
AddComment	The <b>AddComment</b> operation creates an association between a social comment and a specified URI for the <b>current user</b> .
AddTag	The <b>AddTag</b> operation creates an association between a social tag and a specified URI, for the current user.
AddTagByKeyword	The <b>AddTagByKeyword</b> operation creates an association between a social tag and a specified URI, for the current user.
CountCommentsOfUser	The <b>CountCommentsOfUser</b> operation retrieves the total number of social comments for a specified <b>user profile</b> .
CountCommentsOfUserOnUrl	The <b>CountCommentsOfUserOnUrl</b> operation retrieves the total number of social comments for a specified user profile and a specified URI.
CountCommentsOnUrl	The <b>CountCommentsOnUrl</b> operation retrieves the total number of social comments for a specified URI.
CountRatingsOnUrl	The <b>CountRatingsOnUrl</b> operation retrieves the total number of social ratings for a specified URI.
CountTagsOfUser	The <b>CountTagsOfUser</b> operation retrieves the total number of social tags for a specified user profile.
DeleteComment	The <b>DeleteComment</b> operation deletes a social comment that is associated with the current user, stored at a specified URI, and was last modified at a specified time.
DeleteRating	The <b>DeleteRating</b> operation deletes a social rating that is associated with the current user for a specified URI.
DeleteTag	The <b>DeleteTag</b> operation deletes the social tag that is associated with the current user and for the specified URI and

WSDL Operation	Description
	social tag term identifier.
DeleteTagByKeyword	The <b>DeleteTagByKeyword</b> operation deletes a social tag based on a keyword parameter, the current user, and a specified URI.
DeleteTags	The <b>DeleteTags</b> operation deletes all of the social tags that are associated with the current user for a specified URI.
GetAllTagTerms	The <b>GetAllTagTerms</b> operation retrieves all social tag terms.
GetAllTagTermsForUrlFolder	The <b>GetAllTagTermsForUrlFolder</b> operation retrieves all social tag terms for a given Url.
GetAllTagUrls	The <b>GetAllTagUrls</b> operation retrieves all of the social tag URLs that are associated with a specified social tag term.
GetAllTagUrlsByKeyword	The <b>GetAllTagUrlsByKeyword</b> operation retrieves all of the social tag URLs that are associated with a specified social tag term.
GetCommentsOfUser	The <b>GetCommentsOfUser</b> operation retrieves the social comments that are associated with a specified user profile.
GetCommentsOfUserOnUrl	The <b>GetCommentsOfUserOnUrl</b> operation retrieves the social comments that are associated with a specified user profile and for a specified URI.
GetCommentsOnUrl	The <b>GetCommentsOnUrl</b> operation retrieves all of the social comments for a specified URI and for a specified set of parameters.
GetRatingAverageOnUrl	The <b>GetRatingAverageOnUrl</b> operation retrieves the average social rating for the item at a specified URI.
GetRatingOfUserOnUrl	The <b>GetRatingOfUserOnUrl</b> operation retrieves a social rating that is associated with a specified user profile and for a specified URI.
GetRatingOnUrl	The <b>GetRatingOnUrl</b> operation retrieves a social rating that was added by the current user for a specified URI.
GetRatingsOfUser	The <b>GetRatingsOfUser</b> operation retrieves the social ratings that are associated with a specified user profile.
GetRatingsOnUrl	The <b>GetRatingsOnUrl</b> operation retrieves all of the social ratings for a specified URI.
GetSocialDataForFullReplication	The <b>GetSocialDataForFullReplication</b> operation retrieves the list of existing social comments, social tags and social ratings for a specified user profile for use when replicating the social data.
GetSocialDataForIncrementalReplication	The <b>GetSocialDataForIncrementalReplication</b> operation retrieves the list of existing and deleted social comments, social tags and social ratings for a specified time period.
GetTags	The <b>GetTags</b> operation retrieves the social tags that were created by the current user for a specified URL.

WSDL Operation	Description
GetTagsOfUser	The <b>GetTagsOfUser</b> operation retrieves the social tags that were added by a specified user.
GetTagTerms	The <b>GetTagTerms</b> operation retrieves social tag terms for the current user.
GetTagTermsOfUser	The <b>GetTagTermsOfUser</b> operation retrieves the social tag terms that were authored by a specific <b>social tag user</b> . The result set can be limited to a maximum number of items.
GetTagTermsOnUrl	The <b>GetTagTermsOnUrl</b> operation retrieves the social tag terms for a specified social tag URL.
GetTagUrls	The <b>GetTagUrls</b> operation retrieves the social tag URLs that were tagged by the current user with a specified social tag term.
GetTagUrlsByKeyword	The <b>GetTagUrlsByKeyword</b> operation retrieves the social tag URLs, tagged with a specified keyword, which are associated to the current user.
GetTagUrlsOfUser	The <b>GetTagUrlsOfUser</b> operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.
GetTagUrlsOfUserByKeyword	The <b>GetTagUrlsOfUserByKeyword</b> operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.
PropagateRating	The <b>PropagateRating</b> operation triggers a recalculation of the current, average social rating for the specified URI that points to a protocol server list item and it stores that new value in the <b>Rating field (2)</b> .
ReplicateFullSocialData	The <b>ReplicateFullSocialData</b> operation replicates the specified social comments, social tags and social ratings for a specified user profile to the server.
ReplicateIncrementalSocialData	The <b>ReplicateIncrementalSocialData</b> operation replicates the specified existing and deleted social comments, social tags and social ratings to the server.
SetRating	The <b>SetRating</b> operation specifies a social rating by the current user for a specified URI.
UpdateComment	The <b>UpdateComment</b> operation updates an existing social comment at a specified URI that was created by the calling user with the specified last modified time.

### 3.1.4.1 AddComment

The **AddComment** operation creates an association between a social comment and a specified URI for the current user.

```
<wsdl:operation name="AddComment">
  <wsdl:input message="tns:AddCommentSoapIn"/>
  <wsdl:output message="tns:AddCommentSoapOut"/>
</wsdl:operation>
```



```
</wsdl:operation>
```

The protocol client sends an **AddCommentSoapIn** request message and the protocol server responds with an **AddCommentSoapOut** response message.

The protocol server MUST associate the social comment with the user profile of the current user. The protocol server MUST ensure that the saved social comment body is escaped for **HTML** output.

### 3.1.4.1.1 Messages

The following **WSDL message** definitions are specific to this operation.

#### 3.1.4.1.1.1 AddCommentSoapIn

The request WSDL message for the **AddComment** WSDL operation.

The **SOAP action** value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComment
```

The **SOAP body** contains the **AddComment** element.

#### 3.1.4.1.1.2 AddCommentSoapOut

The response WSDL message for the **AddComment** WSDL operation.

The SOAP body contains the **AddCommentResponse** element.

### 3.1.4.1.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.1.2.1 AddComment

The input data for the **AddComment** WSDL operation.

```
<xs:element name="AddComment">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" nillable="true"
type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI of the item to associate with the social comment. This value MUST be fewer than 2085 characters and MUST be URI format.

**comment:** A string type that contains the body of the social comment. This value MUST contain more than zero characters and fewer than 4001 characters.

**isHighPriority:** A Boolean type that specifies the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

**title:** A string type that specifies the title of the social comment, as it appears to users. This value **MUST** be fewer than 501 characters.

#### 3.1.4.1.2.2 AddCommentResponse

The result data for the **AddComment** WSDL operation.

```
<xs:element name="AddCommentResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddCommentResult"
        type="tns:SocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**AddCommentResult:** A **SocialCommentDetail** complex type (section [2.2.4.14](#)), that contains the new social comment.

#### 3.1.4.1.3 Complex Types

None.

#### 3.1.4.1.4 Simple Types

None.

#### 3.1.4.1.5 Attributes

None.

#### 3.1.4.1.6 Groups

None.

#### 3.1.4.1.7 Attribute Groups

None.

#### 3.1.4.2 AddTag

The **AddTag** operation creates an association between a social tag and a specified URI, for the current user.

```
<wsdl:operation name="AddTag">
  <wsdl:input message="tns:AddTagSoapIn"/>
  <wsdl:output message="tns:AddTagSoapOut"/>
</wsdl:operation>
```

The protocol client sends an **AddTagSoapIn** request message and the protocol server responds with an **AddTagSoapOut** response message.

The protocol server MUST associate the social tag with the user profile of the current user.

If no social tag term exists for the specified **termID** (section [3.1.4.2.2.1](#)), then the protocol server MUST send a SOAP fault message.

### 3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.1.1 AddTagSoapIn

The request WSDL message for the **AddTag** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag
```

The SOAP body contains the **AddTag** element.

#### 3.1.4.2.1.2 AddTagSoapOut

The response WSDL message for the **AddTag** WSDL operation.

The SOAP body contains the **AddTagResponse** element.

### 3.1.4.2.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.2.2.1 AddTag

The input data for the **AddTag** WSDL operation.

```
<xs:element name="AddTag">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:q11="http://microsoft.com/wsdl/types/" type="q11:guid"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
        type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to associate with the social tag. This value MUST be fewer than or equal to 2084 characters and MUST be URI format.

**termID:** A GUID type that identifies the social tag term to associate with the URI, as defined by the **Id** value of an existing **TermDetail** type (section [2.2.4.18](#)).

**title:** A string type that specifies the title of the social tag, as it appears to users. This value **MUST** be fewer than or equal to 500 characters.

**isPrivate:** A Boolean type that is used to determine the visibility of the social tag. For a value of **true**, the protocol server **MUST** ensure the tag is visible only to the current user. For a value of **false** or null, the protocol server **MUST** ensure the tag is publicly visible.

#### 3.1.4.2.2.2 AddTagResponse

The result data for the **AddTag** WSDL operation.

```
<xs:element name="AddTagResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddTagResult"
        type="tns:SocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**AddTagResult:** A **SocialTagDetail** complex type (section [2.2.4.18](#)) that contains the new social tag.

#### 3.1.4.2.3 Complex Types

None.

#### 3.1.4.2.4 Simple Types

None.

#### 3.1.4.2.5 Attributes

None.

#### 3.1.4.2.6 Groups

None.

#### 3.1.4.2.7 Attribute Groups

None.

#### 3.1.4.3 AddTagByKeyword

The **AddTagByKeyword** operation creates an association between a social tag and a specified URI, for the current user.

```
<wsdl:operation name="AddTagByKeyword">
  <wsdl:input message="tns:AddTagByKeywordSoapIn"/>
  <wsdl:output message="tns:AddTagByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends an **AddTagByKeywordSoapIn** request message and the protocol server responds with an **AddTagByKeywordSoapOut** response message.

The protocol server MUST associate the social tag with the user profile of the current user.

If no social tag term exists for the specified keyword, then the protocol server MUST create it.

### 3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.3.1.1 AddTagByKeywordSoapIn

The request WSDL message for the **AddTagByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagByKeyword
```

The SOAP body contains the **AddTagByKeyword** element.

#### 3.1.4.3.1.2 AddTagByKeywordSoapOut

The response WSDL message for the **AddTagByKeyword** WSDL operation.

The SOAP body contains the **AddTagByKeywordResponse** element.

### 3.1.4.3.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.3.2.1 AddTagByKeyword

The input data for the **AddTagByKeyword** WSDL operation.

```
<xs:element name="AddTagByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to associate the social tag with. This value MUST be fewer than or equal to 2084 characters and MUST be URI format.

**keyword:** A string type that specifies the value of the social tag term and matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.18](#)).

**title:** A string type that specifies the title of the social tag, as it appears to users. This value MUST be fewer than or equal to 500 characters.

**isPrivate:** A Boolean type that is used to determine the visibility of the social tag. For a value of **true**, the protocol server MUST ensure the tag is visible only to the current user. For a value of **false** or **null**, the protocol server MUST ensure the tag is publicly visible.

#### 3.1.4.3.2.2 AddTagByKeywordResponse

The result data for the **AddTagByKeyword** WSDL operation.

```
<xs:element name="AddTagByKeywordResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddTagByKeywordResult"
type="tns:SocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**AddTagByKeywordResult:** A **SocialTagDetail** complex type (section [2.2.4.18](#)) that contains the new social tag.

#### 3.1.4.3.3 Complex Types

None.

#### 3.1.4.3.4 Simple Types

None.

#### 3.1.4.3.5 Attributes

None.

#### 3.1.4.3.6 Groups

None.

#### 3.1.4.3.7 Attribute Groups

None.

#### 3.1.4.4 CountCommentsOfUser

The **CountCommentsOfUser** operation retrieves the total number of social comments for a specified user profile.

```
<wsdl:operation name="CountCommentsOfUser">
  <wsdl:input message="tns:CountCommentsOfUserSoapIn"/>
  <wsdl:output message="tns:CountCommentsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountCommentsOfUserSoapIn** request message and the protocol server responds with a **CountCommentsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server **MUST** send a SOAP fault message.

If the specified user profile does not exist, then the protocol server **MUST** send a SOAP fault message.

#### 3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.4.1.1 CountCommentsOfUserSoapIn

The request WSDL message for the **CountCommentsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUser
```

The SOAP body contains the **CountCommentsOfUser** element.

##### 3.1.4.4.1.2 CountCommentsOfUserSoapOut

The response WSDL message for the **CountCommentsOfUser** WSDL operation.

The SOAP body contains the **CountCommentsOfUserResponse** element.

#### 3.1.4.4.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.4.2.1 CountCommentsOfUser

The input data for the **CountCommentsOfUser** WSDL operation.

```
<xs:element name="CountCommentsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to get the count of social comments for.

##### 3.1.4.4.2.2 CountCommentsOfUserResponse

The result data for the **CountCommentsOfUser** WSDL operation.

```
<xs:element name="CountCommentsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserResult"
        type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>

```

**CountCommentsOfUserResult:** An integer type that indicates the total number of social comments that are associated with the specified user profile. If the comment count is zero, or if the protocol server fails to retrieve the count of social comments for the specific user, the protocol server **MUST** return zero.

#### 3.1.4.4.3 Complex Types

None.

#### 3.1.4.4.4 Simple Types

None.

#### 3.1.4.4.5 Attributes

None.

#### 3.1.4.4.6 Groups

None.

#### 3.1.4.4.7 Attribute Groups

None.

### 3.1.4.5 CountCommentsOfUserOnUrl

The **CountCommentsOfUserOnUrl** operation retrieves the total number of social comments for a specified user profile and a specified URI.

```

<wsdl:operation name="CountCommentsOfUserOnUrl">
  <wsdl:input message="tns:CountCommentsOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:CountCommentsOfUserOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **CountCommentsOfUserOnUrlSoapIn** request message and the protocol server responds with a **CountCommentsOfUserOnUrlSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server **MUST** send a SOAP fault message. If the specified user profile does not exist, then the protocol server **MUST** send a SOAP fault message.

#### 3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.5.1.1 CountCommentsOfUserOnUrlSoapIn

The request WSDL message for the **CountCommentsOfUserOnUrl** WSDL operation.



The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUserOnUrl
```

The SOAP body contains the **CountCommentsOfUserOnUrl** element.

#### 3.1.4.5.1.2 CountCommentsOfUserOnUrlSoapOut

The response WSDL message for the **CountCommentsOfUserOnUrl** WSDL operation.

The SOAP body contains the **CountCommentsOfUserOnUrlResponse** element.

#### 3.1.4.5.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.5.2.1 CountCommentsOfUserOnUrl

The input data for the **CountCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOfUserOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve the count of social comments for.

**url:** A string type that specifies the URI to retrieve the count of social comments for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

##### 3.1.4.5.2.2 CountCommentsOfUserOnUrlResponse

The result data for the **CountCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOfUserOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserOnUrlResult"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CountCommentsOfUserOnUrlResult:** An integer type that specifies the total number of social comments for the specified user profile and for the specified URI. If the protocol server cannot find the count of social comments, then the protocol server MUST return zero.

### 3.1.4.5.3 Complex Types

None.

### 3.1.4.5.4 Simple Types

None.

### 3.1.4.5.5 Attributes

None.

### 3.1.4.5.6 Groups

None.

### 3.1.4.5.7 Attribute Groups

None.

### 3.1.4.6 CountCommentsOnUrl

The **CountCommentsOnUrl** operation retrieves the total number of social comments for a specified URI.

```
<wsdl:operation name="CountCommentsOnUrl">
  <wsdl:input message="tns:CountCommentsOnUrlSoapIn"/>
  <wsdl:output message="tns:CountCommentsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountCommentsOnUrlSoapIn** request message and the protocol server responds with a **CountCommentsOnUrlSoapOut** response message.

#### 3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.6.1.1 CountCommentsOnUrlSoapIn

The request WSDL message for the **CountCommentsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOnUrl
```

The SOAP body contains the **CountCommentsOnUrl** element.

##### 3.1.4.6.1.2 CountCommentsOnUrlSoapOut

The response WSDL message for the **CountCommentsOnUrl** WSDL operation.

The SOAP body contains the **CountCommentsOnUrlResponse** element.

### 3.1.4.6.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.6.2.1 CountCommentsOnUrl

The input data for the **CountCommentsOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to retrieve the count of social comments for. The value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

#### 3.1.4.6.2.2 CountCommentsOnUrlResponse

The result data for the **CountCommentsOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOnUrlResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CountCommentsOnUrlResult:** An integer that represents the total number of social comments at the specified URI. If the protocol server cannot find the count of social comments, the protocol server MUST return zero.

### 3.1.4.6.3 Complex Types

None.

### 3.1.4.6.4 Simple Types

None.

### 3.1.4.6.5 Attributes

None.

### 3.1.4.6.6 Groups

None.

### 3.1.4.6.7 Attribute Groups

None.

### 3.1.4.7 CountRatingsOnUrl

The **CountRatingsOnUrl** operation retrieves the total number of social ratings for a specified URI.

```
<wsdl:operation name="CountRatingsOnUrl">
  <wsdl:input message="tns:CountRatingsOnUrlSoapIn"/>
  <wsdl:output message="tns:CountRatingsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountRatingsOnUrlSoapIn** request message and the protocol server responds with a **CountRatingsOnUrlSoapOut** response message.

#### 3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.7.1.1 CountRatingsOnUrlSoapIn

The request WSDL message for the **CountRatingsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRatingsOnUrl
```

The SOAP body contains the **CountRatingsOnUrl** element.

##### 3.1.4.7.1.2 CountRatingsOnUrlSoapOut

The response WSDL message for the **CountRatingsOnUrl** WSDL operation.

The SOAP body contains the **CountRatingsOnUrlResponse** element.

#### 3.1.4.7.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.7.2.1 CountRatingsOnUrl

The input data for the **CountRatingsOnUrl** WSDL operation.

```
<xs:element name="CountRatingsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to retrieve the count of social ratings for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

### 3.1.4.7.2.2 CountRatingsOnUrlResponse

The result data for the **CountRatingsOnUrl** WSDL operation.

```
<xs:element name="CountRatingsOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountRatingsOnUrlResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CountRatingsOnUrlResult:** An integer type that represents the total number of social ratings for the specified URI. If the protocol server cannot find the count of social ratings, the protocol server MUST return zero.

### 3.1.4.7.3 Complex Types

None.

### 3.1.4.7.4 Simple Types

None.

### 3.1.4.7.5 Attributes

None.

### 3.1.4.7.6 Groups

None.

### 3.1.4.7.7 Attribute Groups

None.

### 3.1.4.8 CountTagsOfUser

The **CountTagsOfUser** operation retrieves the total number of social tags for a specified user profile.

```
<wsdl:operation name="CountTagsOfUser">
  <wsdl:input message="tns:CountTagsOfUserSoapIn"/>
  <wsdl:output message="tns:CountTagsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountTagsOfUserSoapIn** request message and the protocol server responds with a **CountTagsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server MUST send a SOAP fault message.

If the name of the current user is equal to the value of the specified **userAccountName**, or the current user is an administrator, then the protocol server MUST return the count of both private

social tags and public social tags which is determined by the **IsPrivate** field (1) of the tag (see section [2.2.4.18](#)). If the name of the current user is not equal to the value of the specified **userAccountName** and the current user is not an administrator, then the protocol server **MUST** return the count of public social tags only.

### 3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.8.1.1 CountTagsOfUserSoapIn

The request WSDL message for the **CountTagsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTagsOfUser
```

The SOAP body contains the **CountTagsOfUser** element.

#### 3.1.4.8.1.2 CountTagsOfUserSoapOut

The response WSDL message for the **CountTagsOfUser** WSDL operation.

The SOAP body contains the **CountTagsOfUserResponse** element.

### 3.1.4.8.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.8.2.1 CountTagsOfUser

The input data for the **CountTagsOfUser** WSDL operation.

```
<xs:element name="CountTagsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve the count of social tags for.

#### 3.1.4.8.2.2 CountTagsOfUserResponse

The result data for the **CountTagsOfUser** WSDL operation.

```
<xs:element name="CountTagsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountTagsOfUserResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**CountTagsOfUserResult:** An integer type that represents the total number of social tags for the specified user profile. If the protocol server cannot find the count of social tags for the specified user, the protocol server **MUST** return zero.

### 3.1.4.8.3 Complex Types

None.

### 3.1.4.8.4 Simple Types

None.

### 3.1.4.8.5 Attributes

None.

### 3.1.4.8.6 Groups

None.

### 3.1.4.8.7 Attribute Groups

None.

### 3.1.4.9 DeleteComment

The **DeleteComment** operation deletes a social comment that is associated with the current user, stored at a specified URI, and was last modified at a specified time.

```
<wsdl:operation name="DeleteComment">
  <wsdl:input message="tns:DeleteCommentSoapIn"/>
  <wsdl:output message="tns:DeleteCommentSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteCommentSoapIn** request message and the protocol server responds with a **DeleteCommentSoapOut** response message.

The protocol server **MUST** delete only the social comment that is associated with the current user, is associated with the specified URI, and was last modified at the specified time.

#### 3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.9.1.1 DeleteCommentSoapIn

The request WSDL message for the **DeleteComment** WSDL operation.

The SOAP action value is:

The SOAP body contains the **DeleteComment** element.

#### 3.1.4.9.1.2 DeleteCommentSoapOut

The response WSDL message for the **DeleteComment** WSDL operation.

The SOAP body contains the **DeleteCommentResponse** element.

#### 3.1.4.9.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.9.2.1 DeleteComment

The input data for the **DeleteComment** WSDL operation.

```
<xs:element name="DeleteComment">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI that is associated with the social comment to delete. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

**lastModifiedTime:** A dateTime value that specifies when the social comment to delete was last modified.

##### 3.1.4.9.2.2 DeleteCommentResponse

The result data for the **DeleteComment** WSDL operation.

```
<xs:element name="DeleteCommentResponse">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.9.3 Complex Types

None.

#### 3.1.4.9.4 Simple Types

None.

#### 3.1.4.9.5 Attributes

None.



### 3.1.4.9.6 Groups

None.

### 3.1.4.9.7 Attribute Groups

None.

### 3.1.4.10 DeleteRating

The **DeleteRating** operation deletes a social rating that is associated with the current user for a specified URI.

```
<wsdl:operation name="DeleteRating">
  <wsdl:input message="tns:DeleteRatingSoapIn"/>
  <wsdl:output message="tns:DeleteRatingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteRatingSoapIn** request message and the protocol server responds with a **DeleteRatingSoapOut** response message.

The protocol server MUST delete only the social rating that is associated with both the current user and the specified URI.

#### 3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.10.1.1 DeleteRatingSoapIn

The request WSDL message for the **DeleteRating** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteRating
```

The SOAP body contains the **DeleteRating** element.

##### 3.1.4.10.1.2 DeleteRatingSoapOut

The response WSDL message for the **DeleteRating** WSDL operation.

The SOAP body contains the **DeleteRatingResponse** element.

#### 3.1.4.10.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.10.2.1 DeleteRating

The input data for the **DeleteRating** WSDL operation.

```
<xs:element name="DeleteRating">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**url:** A string type that specifies the URI that is associated with the social rating to delete. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

### 3.1.4.10.2.2 DeleteRatingResponse

The result data for the **DeleteRating** WSDL operation.

```

<xs:element name="DeleteRatingResponse">
  <xs:complexType/>
</xs:element>

```

### 3.1.4.10.3 Complex Types

None.

### 3.1.4.10.4 Simple Types

None.

### 3.1.4.10.5 Attributes

None.

### 3.1.4.10.6 Groups

None.

### 3.1.4.10.7 Attribute Groups

None.

### 3.1.4.11 DeleteTag

The **DeleteTag** operation deletes the social tag that is associated with the current user and for the specified URI and social tag term identifier.

```

<wsdl:operation name="DeleteTag">
  <wsdl:input message="tns:DeleteTagSoapIn"/>
  <wsdl:output message="tns:DeleteTagSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **DeleteTagSoapIn** request message and the protocol server responds with a **DeleteTagSoapOut** response message.

The protocol server **MUST** delete only the social tag that is associated with the current user and for the specified URI and social tag term identifier.

If no social tag term exists for the specified **termID** (section [3.1.4.11.2.1](#)), then the protocol server **MUST** send a SOAP fault message.

### 3.1.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.11.1.1 DeleteTagSoapIn

The request WSDL message for the **DeleteTag** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteTag
```

The SOAP body contains the **DeleteTag** element.

#### 3.1.4.11.1.2 DeleteTagSoapOut

The response WSDL message for the **DeleteTag** WSDL operation.

The SOAP body contains the **DeleteTagResponse** element.

### 3.1.4.11.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.11.2.1 DeleteTag

The input data for the **DeleteTag** WSDL operation.

```
<xs:element name="DeleteTag">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:q12="http://microsoft.com/wsdl/types/" type="q12:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI that is associated with the social tag to delete. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

**termID:** A GUID type that identifies the social tag term. This value is the same as the **Id** value of the **TermDetail** complex type (section [2.2.4.21](#)) for the term.

#### 3.1.4.11.2.2 DeleteTagResponse

The result data for the **DeleteTag** WSDL operation.

```
<xs:element name="DeleteTagResponse">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.11.3 Complex Types

None.

#### 3.1.4.11.4 Simple Types

None.

#### 3.1.4.11.5 Attributes

None.

#### 3.1.4.11.6 Groups

None.

#### 3.1.4.11.7 Attribute Groups

None.

#### 3.1.4.12 DeleteTagByKeyword

The **DeleteTagByKeyword** operation deletes a social tag based on a keyword parameter, the current user, and a specified URI.

```
<wsdl:operation name="DeleteTagByKeyword">
  <wsdl:input message="tns:DeleteTagByKeywordSoapIn"/>
  <wsdl:output message="tns:DeleteTagByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteTagByKeywordSoapIn** request message and the protocol server responds with a **DeleteTagByKeywordSoapOut** response message.

The protocol server MUST delete only that social tag which is identified by the specified keyword and is associated with the current user for the specified URI.

If a social tag term does not exist for the specified keyword, then the protocol server MUST send a SOAP fault message.

##### 3.1.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.12.1.1 DeleteTagByKeywordSoapIn

The request WSDL message for the **DeleteTagByKeyword** WSDL operation.

The SOAP action value is:

The SOAP body contains the **DeleteTagByKeyword** element.

#### 3.1.4.12.1.2 DeleteTagByKeywordSoapOut

The response WSDL message for the **DeleteTagByKeyword** WSDL operation.

The SOAP body contains the **DeleteTagByKeywordResponse** element.

#### 3.1.4.12.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.12.2.1 DeleteTagByKeyword

The input data for the **DeleteTagByKeyword** WSDL operation.

```
<xs:element name="DeleteTagByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI that is associated with the social tag to delete. This value MUST be fewer than 2,085 characters and MUST be URI format.

**keyword:** A string type that contains the keyword that identifies the social tag term. The value of this element MUST be the same as the value of the **Name** element of an existing **TermDetail** complex type (section [2.2.4.21](#)).

##### 3.1.4.12.2.2 DeleteTagByKeywordResponse

The result data for the **DeleteTagByKeyword** WSDL operation.

```
<xs:element name="DeleteTagByKeywordResponse">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.12.3 Complex Types

None.

#### 3.1.4.12.4 Simple Types

None.

#### 3.1.4.12.5 Attributes

None.

### 3.1.4.12.6 Groups

None.

### 3.1.4.12.7 Attribute Groups

None.

### 3.1.4.13 DeleteTags

The **DeleteTags** operation deletes all of the social tags that are associated with the current user for a specified URI.

```
<wsdl:operation name="DeleteTags">
  <wsdl:input message="tns:DeleteTagsSoapIn"/>
  <wsdl:output message="tns:DeleteTagsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteTagsSoapIn** request message and the protocol server responds with a **DeleteTagsSoapOut** response message.

The protocol server MUST delete only those social tags that are associated with both the current user and the specified URI.

#### 3.1.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.13.1.1 DeleteTagsSoapIn

The request WSDL message for the **DeleteTags** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteTags
```

The SOAP body contains the **DeleteTags** element.

##### 3.1.4.13.1.2 DeleteTagsSoapOut

The response WSDL message for the **DeleteTags** WSDL operation.

The SOAP body contains the **DeleteTagsResponse** element.

#### 3.1.4.13.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.13.2.1 DeleteTags

The input data for the **DeleteTags** WSDL operation.

```
<xs:element name="DeleteTags">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**url:** A string type that specifies the URI to delete the social tags from. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

### 3.1.4.13.2.2 DeleteTagsResponse

The result data for the **DeleteTags** WSDL operation.

```

<xs:element name="DeleteTagsResponse">
  <xs:complexType/>
</xs:element>

```

### 3.1.4.13.3 Complex Types

None.

### 3.1.4.13.4 Simple Types

None.

### 3.1.4.13.5 Attributes

None.

### 3.1.4.13.6 Groups

None.

### 3.1.4.13.7 Attribute Groups

None.

### 3.1.4.14 GetAllTagTerms

The **GetAllTagTerms** operation retrieves all social tag terms.

```

<wsdl:operation name="GetAllTagTerms">
  <wsdl:input message="tns:GetAllTagTermsSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetAllTagTermsSoapIn** request message and the protocol server responds with a **GetAllTagTermsSoapOut** response message.

### 3.1.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.14.1.1 GetAllTagTermsSoapIn

The request WSDL message for the **GetAllTagTerms** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagTerms
```

The SOAP body contains the **GetAllTagTerms** element.

#### 3.1.4.14.1.2 GetAllTagTermsSoapOut

The response WSDL message for the **GetAllTagTerms** WSDL operation.

The SOAP body contains the **GetAllTagTermsResponse** element.

### 3.1.4.14.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.14.2.1 GetAllTagTerms

The input data for the **GetAllTagTerms** WSDL operation.

```
<xs:element name="GetAllTagTerms">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**maximumItemsToReturn:** An integer type that specifies the maximum number of items to return. This value **MUST** be greater than or equal to "0" (zero) or null. When "0" (zero) or null is passed, the protocol server **MUST** return a maximum of 1000 results.

#### 3.1.4.14.2.2 GetAllTagTermsResponse

The result data for the **GetAllTagTerms** WSDL operation.

```
<xs:element name="GetAllTagTermsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagTermsResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**GetAllTagTermsResult:** An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results in descending order on the **SocialTermDetail Count** value. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element. The protocol server MUST trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

#### 3.1.4.14.3 Complex Types

None.

#### 3.1.4.14.4 Simple Types

None.

#### 3.1.4.14.5 Attributes

None.

#### 3.1.4.14.6 Groups

None.

#### 3.1.4.14.7 Attribute Groups

None.

#### 3.1.4.15 GetAllTagTermsForUrlFolder

The **GetAllTagTermsForUrlFolder** operation retrieves all social tag terms for a given Url.

```
<wsdl:operation name="GetAllTagTermsForUrlFolder">
  <wsdl:input message="tns:GetAllTagTermsForUrlFolderSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsForUrlFolderSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagTermsForUrlFolderSoapIn** request message and the protocol server responds with a **GetAllTagTermsForUrlFolderSoapOut** response message.

##### 3.1.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.15.1.1 GetAllTagTermsForUrlFolderSoapIn

The request WSDL message for the **GetAllTagTermsForUrlFolder** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagTermsForUr
lFolder
```

The SOAP body contains the **GetAllTagTermsForUrlFolder** element.

#### 3.1.4.15.1.2 GetAllTagTermsForUrlFolderSoapOut

The response WSDL message for the **GetAllTagTermsForUrlFolder** WSDL operation.

The SOAP body contains the **GetAllTagTermsForUrlFolderResponse** element.

#### 3.1.4.15.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.15.2.1 GetAllTagTermsForUrlFolder

The input data for the **GetAllTagTermsForUrlFolder** WSDL operation.

```
<xs:element name="GetAllTagTermsForUrlFolder">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="urlFolder" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**urlFolder:** A string which specifies the Url which the social tags should be retrieved for.

**maximumItemsToReturn:** An integer type that specifies the maximum number of items to return. This value MUST be greater than or equal to "0" and less than 1001 or null. When "0" (zero) or null is passed, the protocol server MUST return a maximum of 1000 results.

##### 3.1.4.15.2.2 GetAllTagTermsForUrlFolderResponse

The result data for the **GetAllTagTermsForUrlFolder** WSDL operation.

```
<xs:element name="GetAllTagTermsForUrlFolderResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagTermsForUrlFolderResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllTagTermsForUrlFolderResult:** An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element.

#### 3.1.4.15.3 Complex Types

None.

#### 3.1.4.15.4 Simple Types

None.

### 3.1.4.15.5 Attributes

None.

### 3.1.4.15.6 Groups

None.

### 3.1.4.15.7 Attribute Groups

None.

### 3.1.4.16 GetAllTagUrls

The **GetAllTagUrls** operation retrieves all of the social tag URLs that are associated with a specified social tag term.

```
<wsdl:operation name="GetAllTagUrls">
  <wsdl:input message="tns:GetAllTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetAllTagUrlsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagUrlsSoapIn** request message and the protocol server responds with a **GetAllTagUrlsSoapOut** response message.

#### 3.1.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.16.1.1 GetAllTagUrlsSoapIn

The request WSDL message for the **GetAllTagUrls** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagUrls
```

The SOAP body contains the **GetAllTagUrls** element.

##### 3.1.4.16.1.2 GetAllTagUrlsSoapOut

The response WSDL message for the **GetAllTagUrls** WSDL operation.

The SOAP body contains the **GetAllTagUrlsResponse** element.

#### 3.1.4.16.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.16.2.1 GetAllTagUrls

The input data for the **GetAllTagUrls** WSDL operation.

```

<xs:element name="GetAllTagUrls">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:q10="http://microsoft.com/wsdl/types/" type="q10:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**termID:** A GUID type that identifies the social tag term to retrieve results for. The social tag term referenced by this **termID** MUST be available for tagging. If this value does not match the identifier for an existing social tag term, the protocol server MUST send a SOAP fault message.

### 3.1.4.16.2 GetAllTagUrlsResponse

The result data for the **GetAllTagUrls** WSDL operation.

```

<xs:element name="GetAllTagUrlsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsResult"
        type="tns:ArrayOfSocialUrlDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetAllTagUrlsResult:** An **ArrayOfSocialUrlDetail** complex type (section [2.2.4.8](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag URL for the specified social tag term.

### 3.1.4.16.3 Complex Types

None.

### 3.1.4.16.4 Simple Types

None.

### 3.1.4.16.5 Attributes

None.

### 3.1.4.16.6 Groups

None.

### 3.1.4.16.7 Attribute Groups

None.

### 3.1.4.17 GetAllTagUrlsByKeyword

The **GetAllTagUrlsByKeyword** operation retrieves all of the social tag URLs that are associated with a specified social tag term.

```
<wsdl:operation name="GetAllTagUrlsByKeyword">
  <wsdl:input message="tns:GetAllTagUrlsByKeywordSoapIn"/>
  <wsdl:output message="tns:GetAllTagUrlsByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagUrlsSoapIn** request message and the protocol server responds with a **GetAllTagUrlsSoapOut** response message.

### 3.1.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.17.1.1 GetAllTagUrlsByKeywordSoapIn

The request WSDL message for the **GetAllTagUrlsByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagUrlsByKeyword
```

The SOAP body contains the **GetAllTagUrlsByKeyword** element.

#### 3.1.4.17.1.2 GetAllTagUrlsByKeywordSoapOut

The response WSDL message for the **GetAllTagUrlsByKeyword** WSDL operation.

The SOAP body contains the **GetAllTagUrlsByKeywordResponse** element.

### 3.1.4.17.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.17.2.1 GetAllTagUrlsByKeyword

The input data for the **GetAllTagUrlsByKeyword** WSDL operation.

```
<xs:element name="GetAllTagUrlsByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**keyword:** A string type that specifies the social tag term to return social tag URLs for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). The social tag term referenced by this value MUST be available for tagging. If the specified value is not an existing social tag term, the protocol server MUST send a SOAP fault message.

#### 3.1.4.17.2.2 GetAllTagUrlsByKeywordResponse

The result data for the **GetAllTagUrlsByKeyword** WSDL operation.

```

<xs:element name="GetAllTagUrlsByKeywordResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsByKeywordResult"
type="tns:ArrayOfSocialUrlDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetAllTagUrlsByKeywordResult:** An **ArrayOfSocialUrlDetail** complex type (section [2.2.4.8](#)) that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag URL for the specified social tag term.

### 3.1.4.17.3 Complex Types

None.

### 3.1.4.17.4 Simple Types

None.

### 3.1.4.17.5 Attributes

None.

### 3.1.4.17.6 Groups

None.

### 3.1.4.17.7 Attribute Groups

None.

### 3.1.4.18 GetCommentsOfUser

The **GetCommentsOfUser** operation retrieves the social comments that are associated with a specified user profile.

```

<wsdl:operation name="GetCommentsOfUser">
  <wsdl:input message="tns:GetCommentsOfUserSoapIn"/>
  <wsdl:output message="tns:GetCommentsOfUserSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetCommentsOfUserSoapIn** request message and the protocol server responds with a **GetCommentsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server **MUST** send a SOAP fault message.

If the specified user profile does not exist, then the protocol server **MUST** send a SOAP fault message.

### 3.1.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.18.1.1 GetCommentsOfUserSoapIn

The request WSDL message for the **GetCommentsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUser
```

The SOAP body contains the **GetCommentsOfUser** element.

#### 3.1.4.18.1.2 GetCommentsOfUserSoapOut

The response WSDL message for the **GetCommentsOfUser** WSDL operation.

The SOAP body contains the **GetCommentsOfUserResponse** element.

### 3.1.4.18.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.18.2.1 GetCommentsOfUser

The input data for the **GetCommentsOfUser** WSDL operation.

```
<xs:element name="GetCommentsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile for which to retrieve social comments.

**maximumItemsToReturn:** An integer type that indicates the maximum number of social comments to return. This value **MUST** be greater than or equal to zero, or **null**. This value **MUST** be less than 1001. If this value is zero or null, then the protocol server **MUST** limit the number of social comments that are returned to 100.

**startIndex:** An integer type that specifies the zero-based index into the total set of comments retrievable by this operation for which the returned set starts. The protocol server **MUST NOT** include any comments with indices that are less than the specified value. This value **MUST** be greater than or equal to zero, or **null**. If this value is zero or **null**, then the protocol server **MUST** use the first social comment in the total set of comments retrievable by this operation as the starting value when returning the social comments.

### 3.1.4.18.2.2 GetCommentsOfUserResponse

The result data for the **GetCommentsOfUser** WSDL operation.

```
<xs:element name="GetCommentsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserResult"
        type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetCommentsOfUserResult:** An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) that contains the requested social comments. This element **MUST** be returned when the operation succeeds.

### 3.1.4.18.3 Complex Types

None.

### 3.1.4.18.4 Simple Types

None.

### 3.1.4.18.5 Attributes

None.

### 3.1.4.18.6 Groups

None.

### 3.1.4.18.7 Attribute Groups

None.

### 3.1.4.19 GetCommentsOfUserOnUrl

The **GetCommentsOfUserOnUrl** operation retrieves the social comments that are associated with a specified user profile and for a specified URI.

```
<wsdl:operation name="GetCommentsOfUserOnUrl">
  <wsdl:input message="tns:GetCommentsOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:GetCommentsOfUserOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetCommentsOfUserOnUrlSoapIn** request message and the protocol server responds with a **GetCommentsOfUserOnUrlSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server **MUST** send a SOAP fault message.



If the specified user profile does not exist, then the protocol server MUST send a SOAP fault message.

#### 3.1.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.19.1.1 GetCommentsOfUserOnUrlSoapIn

The request WSDL message for the **GetCommentsOfUserOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUserOnUrl
```

The SOAP body contains the **GetCommentsOfUserOnUrl** element.

##### 3.1.4.19.1.2 GetCommentsOfUserOnUrlSoapOut

The response WSDL message for the **GetCommentsOfUserOnUrl** WSDL operation.

The SOAP body contains the **GetCommentsOfUserOnUrlResponse** element.

#### 3.1.4.19.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.19.2.1 GetCommentsOfUserOnUrl

The input data for the **GetCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOfUserOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve social comments for.

**url:** A string type that specifies the URI to retrieve social comments for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

##### 3.1.4.19.2.2 GetCommentsOfUserOnUrlResponse

The result data for the **GetCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOfUserOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserOnUrlResult"
type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetCommentsOfUserOnUrlResult:** An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) that contains the requested social comments. This element **MUST** be returned when the operation succeeds. The protocol server **MUST** limit the results to 1000.

### 3.1.4.19.3 Complex Types

None.

### 3.1.4.19.4 Simple Types

None.

### 3.1.4.19.5 Attributes

None.

### 3.1.4.19.6 Groups

None.

### 3.1.4.19.7 Attribute Groups

None.

## 3.1.4.20 GetCommentsOnUrl

The **GetCommentsOnUrl** operation retrieves all of the social comments for a specified URI and for a specified set of parameters.

```

<wsdl:operation name="GetCommentsOnUrl">
    <wsdl:input message="tns:GetCommentsOnUrlSoapIn"/>
    <wsdl:output message="tns:GetCommentsOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetCommentsOnUrlSoapIn** request message and the protocol server responds with a **GetCommentsOnUrlSoapOut** response message.

### 3.1.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.20.1.1 GetCommentsOnUrlSoapIn

The request WSDL message for the **GetCommentsOnUrl** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetCommentsOnUrl** element.

#### 3.1.4.20.1.2 GetCommentsOnUrlSoapOut

The response WSDL message for the **GetCommentsOnUrl** WSDL operation.

The SOAP body contains the **GetCommentsOnUrlResponse** element.

#### 3.1.4.20.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.20.2.1 GetCommentsOnUrl

The input data for the **GetCommentsOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="excludeItemsTime" nillable="true"
type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to get social comments for. This value MUST be fewer than or equal to 2084 characters and MUST be URI format.

**maximumItemsToReturn:** An integer type that specifies the maximum number of social comments to return. This value MUST be greater than or equal to zero or **null**. If this value is zero or **null**, then the protocol server MUST limit the number of social comments that are returned to 1000.

**startIndex:** An integer type that specifies the zero-based index into the total set of comments retrievable by this operation for which the returned set starts. The protocol server MUST NOT include any comments with indices that are less than the specified value. This value MUST be greater than or equal to zero, or **null**. If this value is zero or **null**, then the protocol server MUST use the first social comment in the total set of comments retrievable by this operation as the starting value when returning the social comments.

**excludeItemsTime:** A dateTime value that specifies a cut-off point for returning the social comments. The protocol server MUST limit the results by returning only those social comments that were modified after the time that is specified by this value. If this value is **null**, then the protocol server MUST NOT limit the results based on the date when a social comment was last modified.

##### 3.1.4.20.2.2 GetCommentsOnUrlResponse

The result data for the **GetCommentsOnUrl** WSDL operation.

```

<xs:element name="GetCommentsOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOnUrlResult"
type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetCommentsOnUrlResult:** An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.2](#)) that contains the requested social comments. This element **MUST** be returned when the operation succeeds.

### 3.1.4.20.3 Complex Types

None.

### 3.1.4.20.4 Simple Types

None.

### 3.1.4.20.5 Attributes

None.

### 3.1.4.20.6 Groups

None.

### 3.1.4.20.7 Attribute Groups

None.

### 3.1.4.21 GetRatingAverageOnUrl

The **GetRatingAverageOnUrl** operation retrieves the average social rating for the item at a specified URI.

```

<wsdl:operation name="GetRatingAverageOnUrl">
  <wsdl:input message="tns:GetRatingAverageOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingAverageOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetRatingAverageOnUrlSoapIn** request message and the protocol server responds with a **GetRatingAverageOnUrlSoapOut** response message.

If the current user does not have permissions to view the social ratings on the specified **url**, the protocol server **MUST** send a SOAP fault message.

#### 3.1.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.21.1.1 GetRatingAverageOnUrlSoapIn

The request WSDL message for the **GetRatingAverageOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingAverageOnUrl
```

The SOAP body contains the **GetRatingAverageOnUrl** element.

#### 3.1.4.21.1.2 GetRatingAverageOnUrlSoapOut

The response WSDL message for the **GetRatingAverageOnUrl** WSDL operation.

The SOAP body contains the **GetRatingAverageOnUrlResponse** element.

#### 3.1.4.21.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.21.2.1 GetRatingAverageOnUrl

The input data for the **GetRatingAverageOnUrl** WSDL operation.

```
<xs:element name="GetRatingAverageOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI of the item to get the average social rating for. This value MUST be fewer than 2,085 characters and MUST be URI format.

##### 3.1.4.21.2.2 GetRatingAverageOnUrlResponse

The result data for the **GetRatingAverageOnUrl** WSDL operation.

```
<xs:element name="GetRatingAverageOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingAverageOnUrlResult"
        type="tns:SocialRatingAverageDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRatingAverageOnUrlResult:** A **SocialRatingAverageDetail** complex type (section [3.1.4.21.3.1](#)) that contains the average social rating that is being requested.

If no social ratings are associated with the current user, then the protocol server MUST set the value of the **CurrentUserRating** element of the **SocialRatingAverageDetail** complex type to zero.

If no social ratings are associated with the specified URI, then the protocol server MUST set the value of the **LastModifiedTime** element of the **SocialRatingAverageDetail** complex type to the minimum dateTime value.

If no social ratings are associated with the specified URI, then the protocol server MUST set the value of the **Average** element of the **SocialRatingAverageDetail** complex type to negative infinity.

If no social ratings are associated with the specified URI, then the protocol server MUST set the **Count** element of the **SocialRatingAverageDetail** complex type to the minimum long value.

### 3.1.4.21.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.21.3.1 SocialRatingAverageDetail

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialRatingAverageDetail** complex type contains information about the social ratings that are associated with a URI.

```
<xs:complexType name="SocialRatingAverageDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Average" type="xs:float"/>
    <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
    <xs:element minOccurs="1" maxOccurs="1" name="CurrentUserRating" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

**Url:** A string type that specifies the URI of the item that the average social rating is associated with.

**Average:** A floating-point number that indicates the average of the social ratings that are associated with any user profile for the specified URI.

**LastModifiedTime:** A **dateTime** value that indicates when the social rating data was last modified for the specified URI.

**Count:** A long type that specifies the total number of social ratings that are associated with any user profile for the specified URI.

**CurrentUserRating:** An integer type that specifies the social rating that the current user provided for the specified URI.

#### 3.1.4.21.4 Simple Types

None.

#### 3.1.4.21.5 Attributes

None.

### 3.1.4.21.6 Groups

None.

### 3.1.4.21.7 Attribute Groups

None.

### 3.1.4.22 GetRatingOfUserOnUrl

The **GetRatingOfUserOnUrl** operation retrieves a social rating that is associated with a specified user profile and for a specified URI.

```
<wsdl:operation name="GetRatingOfUserOnUrl">
  <wsdl:input message="tns:GetRatingOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingOfUserOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingOfUserOnUrlSoapIn** request message and the protocol server responds with a **GetRatingOfUserOnUrlSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server MUST send a SOAP fault message. If the current user does not have permission to view the social rating for the specified **userAccountName** on the specified **url**, the protocol server MUST send a SOAP fault message. If the specified user profile does not exist, then the protocol server MUST send a SOAP fault message.

#### 3.1.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.22.1.1 GetRatingOfUserOnUrlSoapIn

The request WSDL message for the **GetRatingOfUserOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingOfUserOnUr
l
```

The SOAP body contains the **GetRatingOfUserOnUrl** element.

##### 3.1.4.22.1.2 GetRatingOfUserOnUrlSoapOut

The response WSDL message for the **GetRatingOfUserOnUrl** WSDL operation.

The SOAP body contains the **GetRatingOfUserOnUrlResponse** element.

#### 3.1.4.22.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.22.2.1 GetRatingOfUserOnUrl

The input data for the **GetRatingOfUserOnUrl** WSDL operation.

```
<xs:element name="GetRatingOfUserOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve the social rating for.

**url:** A string type that specifies the URI to retrieve the social rating for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

#### 3.1.4.22.2.2 GetRatingOfUserOnUrlResponse

The result data for the **GetRatingOfUserOnUrl** WSDL operation.

```
<xs:element name="GetRatingOfUserOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOfUserOnUrlResult"
type="tns:SocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRatingOfUserOnUrlResult:** A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the requested social rating. If no social rating is associated with the specified **userAccountName**, then the protocol server **MUST** set the **Rating** value of the **SocialRatingDetail** type to zero and the **LastModifiedTime** value of the **SocialRatingDetail** type to the minimum value.

#### 3.1.4.22.3 Complex Types

None.

#### 3.1.4.22.4 Simple Types

None.

#### 3.1.4.22.5 Attributes

None.

#### 3.1.4.22.6 Groups

None.



### 3.1.4.22.7 Attribute Groups

None.

### 3.1.4.23 GetRatingOnUrl

The **GetRatingOnUrl** operation retrieves a social rating that was added by the current user for a specified URI.

```
<wsdl:operation name="GetRatingOnUrl">
  <wsdl:input message="tns:GetRatingOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingOnUrlSoapIn** request message and the protocol server responds with a **GetRatingOnUrlSoapOut** response message.

The protocol server MUST return only the social rating that is associated with both the current user and a specified URI. If the current user does not have permission to view the social rating on the specified **url**, the protocol server MUST send a SOAP fault message.

#### 3.1.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.23.1.1 GetRatingOnUrlSoapIn

The request WSDL message for the **GetRatingOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingOnUrl
```

The SOAP body contains the **GetRatingOnUrl** element.

##### 3.1.4.23.1.2 GetRatingOnUrlSoapOut

The response WSDL message for the **GetRatingOnUrl** WSDL operation.

The SOAP body contains the **GetRatingOnUrlResponse** element.

#### 3.1.4.23.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.23.2.1 GetRatingOnUrl

The input data for the **GetRatingOnUrl** WSDL operation.

```
<xs:element name="GetRatingOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    </xs:complexType>
  </xs:element>

```

**url:** A string type that specifies the URI that is associated with the social rating to retrieve. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

### 3.1.4.23.2 GetRatingOnUrlResponse

The result data for the **GetRatingOnUrl** WSDL operation.

```

<xs:element name="GetRatingOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOnUrlResult"
type="tns:SocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetRatingOnUrlResult:** A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the requested social rating. If no social rating is associated with the current user for the specific URI, then the protocol server MUST set the **Rating** value of the **SocialRatingDetail** type to zero and the **LastModifiedTime** value of the **SocialRatingDetail** type to the minimum value.

### 3.1.4.23.3 Complex Types

None.

### 3.1.4.23.4 Simple Types

None.

### 3.1.4.23.5 Attributes

None.

### 3.1.4.23.6 Groups

None.

### 3.1.4.23.7 Attribute Groups

None.

### 3.1.4.24 GetRatingsOfUser

The **GetRatingsOfUser** operation retrieves the social ratings that are associated with a specified user profile.

```

<wsdl:operation name="GetRatingsOfUser">
  <wsdl:input message="tns:GetRatingsOfUserSoapIn"/>
  <wsdl:output message="tns:GetRatingsOfUserSoapOut"/>

```

</wsdl:operation>

The protocol client sends a **GetRatingsOfUserSoapIn** request message and the protocol server responds with a **GetRatingsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server MUST send a SOAP fault message.

If the specified user profile does not exist, then the protocol server MUST send a SOAP fault message.

### 3.1.4.24.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.24.1.1 GetRatingsOfUserSoapIn

The request WSDL message for the **GetRatingsOfUser** WSDL operation.

The SOAP action value is:

`http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingsOfUser`

The SOAP body contains the **GetRatingsOfUser** element.

#### 3.1.4.24.1.2 GetRatingsOfUserSoapOut

The response WSDL message for the **GetRatingsOfUser** WSDL operation.

The SOAP body contains the **GetRatingsOfUserResponse** element.

### 3.1.4.24.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.24.2.1 GetRatingsOfUser

The input data for the **GetRatingsOfUser** WSDL operation.

```
<xs:element name="GetRatingsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve social ratings for.

#### 3.1.4.24.2.2 GetRatingsOfUserResponse

The result data for the **GetRatingsOfUser** WSDL operation.

```

<xs:element name="GetRatingsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingsOfUserResult"
type="tns:ArrayOfSocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetRatingsOfUserResult:** An **ArrayOfSocialRatingDetail** complex type (section [2.2.4.5](#)) that contains the requested social ratings. This element **MUST** be returned when the operation succeeds. The protocol server **MUST** limit the results to 1000.

### 3.1.4.24.3 Complex Types

None.

### 3.1.4.24.4 Simple Types

None.

### 3.1.4.24.5 Attributes

None.

### 3.1.4.24.6 Groups

None.

### 3.1.4.24.7 Attribute Groups

None.

### 3.1.4.25 GetRatingsOnUrl

The **GetRatingsOnUrl** operation retrieves all of the social ratings for a specified URI.

```

<wsdl:operation name="GetRatingsOnUrl">
  <wsdl:input message="tns:GetRatingsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingsOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetRatingsOnUrlSoapIn** request message and the protocol server responds with a **GetRatingsOnUrlSoapOut** response message.

### 3.1.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.25.1.1 GetRatingsOnUrlSoapIn

The request WSDL message for the **GetRatingsOnUrl** WSDL operation.

The SOAP action value is:

<http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingsOnUrl>

The SOAP body contains the **GetRatingsOnUrl** element.

#### 3.1.4.25.1.2 GetRatingsOnUrlSoapOut

The response WSDL message for the **GetRatingsOnUrl** WSDL operation.

The SOAP body contains the **GetRatingsOnUrlResponse** element.

#### 3.1.4.25.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.25.2.1 GetRatingsOnUrl

The input data for the **GetRatingsOnUrl** WSDL operation.

```
<xs:element name="GetRatingsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI to retrieve social ratings for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

##### 3.1.4.25.2.2 GetRatingsOnUrlResponse

The result data for the **GetRatingsOnUrl** WSDL operation.

```
<xs:element name="GetRatingsOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingsOnUrlResult"
        type="tns:ArrayOfSocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRatingsOnUrlResult:** An **ArrayOfSocialRatingDetail** complex type (section [2.2.4.5](#)) that contains the social ratings for the specified URI. This element MUST be returned when the operation succeeds.

#### 3.1.4.25.3 Complex Types

None.

#### 3.1.4.25.4 Simple Types

None.

### 3.1.4.25.5 Attributes

None.

### 3.1.4.25.6 Groups

None.

### 3.1.4.25.7 Attribute Groups

None.

### 3.1.4.26 GetSocialDataForFullReplication

The **GetSocialDataForFullReplication** operation retrieves the list of existing social comments, social tags and social ratings for a specified user profile for use when replicating the social data.

```
<wsdl:operation name="GetSocialDataForFullReplication">
  <wsdl:input message="tns:GetSocialDataForFullReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForFullReplicationSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetSocialDataForFullReplicationSoapIn** request message and the protocol server responds with a **GetSocialDataForFullReplicationSoapOut** response message.

The protocol server MUST return the social data elements that are associated to the specified user profile.

#### 3.1.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.26.1.1 GetSocialDataForFullReplicationSoapIn

The request WSDL message for the **GetSocialDataForFullReplication** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSocialDataForFullReplication
```

The SOAP body contains the **GetSocialDataForFullReplication** element.

##### 3.1.4.26.1.2 GetSocialDataForFullReplicationSoapOut

The response WSDL message for the **GetSocialDataForFullReplication** WSDL operation.

The SOAP body contains the **GetSocialDataForFullReplicationResponse** element.

#### 3.1.4.26.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.26.2.1 GetSocialDataForFullReplication

The input data for the **GetSocialDataForFullReplication** WSDL operation.

```
<xs:element name="GetSocialDataForFullReplication">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the user profile to retrieve the existing social data elements for. If the user profile for the specified user name does not exist, the protocol server **MUST** send a SOAP fault message.

#### 3.1.4.26.2.2 GetSocialDataForFullReplicationResponse

The result data for the **GetSocialDataForFullReplication** WSDL operation.

```
<xs:element name="GetSocialDataForFullReplicationResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSocialDataForFullReplicationResult"
        type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSocialDataForFullReplicationResult:** A **SocialReplicationData** (section [2.2.4.17](#)) containing the existing social comments, social tags and social ratings for the specified user profile. The protocol server **MUST** return null for the **DeletedTags**, **DeletedComments** and **DeletedRatings** fields (1) of the **SocialReplicationData** object.

#### 3.1.4.26.3 Complex Types

None.

#### 3.1.4.26.4 Simple Types

None.

#### 3.1.4.26.5 Attributes

None.

#### 3.1.4.26.6 Groups

None.

#### 3.1.4.26.7 Attribute Groups

None.

### 3.1.4.27 GetSocialDataForIncrementalReplication

The **GetSocialDataForIncrementalReplication** operation retrieves the list of existing and deleted social comments, social tags and social ratings for a specified time period.

```
<wsdl:operation name="GetSocialDataForIncrementalReplication">
  <wsdl:input message="tns:GetSocialDataForIncrementalReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForIncrementalReplicationSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetSocialDataForIncrementalReplicationSoapIn** request message and the protocol server responds with a **GetSocialDataForIncrementalReplicationSoapOut** response message.

The protocol server MUST return the social data elements that are associated to the specified time period.

#### 3.1.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.27.1.1 GetSocialDataForIncrementalReplicationSoapIn

The request WSDL message for the **GetSocialDataForIncrementalReplication** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSocialDataForIncrementalReplication
```

The SOAP body contains the **GetSocialDataForIncrementalReplication** element.

##### 3.1.4.27.1.2 GetSocialDataForIncrementalReplicationSoapOut

The response WSDL message for the **GetSocialDataForIncrementalReplication** WSDL operation.

The SOAP body contains the **GetSocialDataForIncrementalReplicationResponse** element.

#### 3.1.4.27.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.27.2.1 GetSocialDataForIncrementalReplication

The input data for the **GetSocialDataForIncrementalReplication** WSDL operation.

```
<xs:element name="GetSocialDataForIncrementalReplication">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="startTime" type="xs:dateTime"/>
      <xs:element minOccurs="1" maxOccurs="1" name="endTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
```



```
</xs:element>
```

**startTime:** A dateTime value used to limit the results. The protocol server MUST NOT return the existing and deleted social comments, social tags and social ratings which were last modified or deleted before this time.

**endTime:** A dateTime value used to limit the results. The protocol server MUST NOT return the existing and deleted social comments, social tags and social ratings which were last modified or deleted after or equal to this time.

### 3.1.4.27.2.2 GetSocialDataForIncrementalReplicationResponse

The result data for the **GetSocialDataForIncrementalReplication** WSDL operation.

```
<xs:element name="GetSocialDataForIncrementalReplicationResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="GetSocialDataForIncrementalReplicationResult" type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSocialDataForIncrementalReplicationResult:** A **SocialReplicationData** (section [2.2.4.17](#)) containing the existing and deleted social comments, social tags and social ratings limited by the specified **startTime** and **endTime**.

### 3.1.4.27.3 Complex Types

None.

### 3.1.4.27.4 Simple Types

None.

### 3.1.4.27.5 Attributes

None.

### 3.1.4.27.6 Groups

None.

### 3.1.4.27.7 Attribute Groups

None.

### 3.1.4.28 GetTags

The **GetTags** operation retrieves the social tags that were created by the current user for a specified URL.

```
<wsdl:operation name="GetTags">
```

```

    <wsdl:input message="tns:GetTagsSoapIn"/>
    <wsdl:output message="tns:GetTagsSoapOut"/>
  </wsdl:operation>

```

The protocol client sends a **GetTagsSoapIn** request message and the protocol server responds with a **GetTagsSoapOut** response message.

### 3.1.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.28.1.1 GetTagsSoapIn

The request WSDL message for the **GetTags** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
```

The SOAP body contains the **GetTags** element.

#### 3.1.4.28.1.2 GetTagsSoapOut

The response WSDL message for the **GetTags** WSDL operation.

The SOAP body contains the **GetTagsResponse** element.

### 3.1.4.28.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.28.2.1 GetTags

The input data for the **GetTags** WSDL operation.

```

<xs:element name="GetTags">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**url:** A string type that specifies the URL to retrieve social tags for.

#### 3.1.4.28.2.2 GetTagsResponse

The result data for the **GetTags** WSDL operation.

```

<xs:element name="GetTagsResponse">
  <xs:complexType>
    <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="GetTagsResult"
type="tns:ArrayOfSocialTagDetail"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetTagsResult:** An **ArrayOfSocialTagDetail** complex type (section [2.2.4.6](#)) that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag that was created by the current user and is associated with the specified URL. The protocol server **MUST** limit the results to 1000.

### 3.1.4.28.3 Complex Types

None.

### 3.1.4.28.4 Simple Types

None.

### 3.1.4.28.5 Attributes

None.

### 3.1.4.28.6 Groups

None.

### 3.1.4.28.7 Attribute Groups

None.

### 3.1.4.29 GetTagsOfUser

The **GetTagsOfUser** operation retrieves the social tags that were added by a specified user.

```

<wsdl:operation name="GetTagsOfUser">
    <wsdl:input message="tns:GetTagsOfUserSoapIn"/>
    <wsdl:output message="tns:GetTagsOfUserSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetTagsOfUserSoapIn** request message and the protocol server responds with a **GetTagsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, the protocol server **MUST** send a SOAP fault message.

If the specified user profile does not exist, then the protocol server **MUST** send a SOAP fault message

#### 3.1.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.29.1.1 GetTagsOfUserSoapIn

The request WSDL message for the **GetTagsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagsOfUser
```

The SOAP body contains the **GetTagsOfUser** element.

#### 3.1.4.29.1.2 GetTagsOfUserSoapOut

The response WSDL message for the **GetTagsOfUser** WSDL operation.

The SOAP body contains the **GetTagsOfUserResponse** element.

### 3.1.4.29.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.29.2.1 GetTagsOfUser

The input data for the **GetTagsOfUser** WSDL operation.

```
<xs:element name="GetTagsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that specifies the user login name of the social tag user to retrieve results for. If the specified account does not reference an existing social tag user, the protocol server MUST send a SOAP fault message.

**maximumItemsToReturn:** An integer type that specifies the maximum number of social tags to return. This value MUST be greater than or equal to zero or **null**. When zero or **null** is passed, the protocol server MUST return a maximum of 1000 results.

**startIndex:** An integer type that specifies the zero-based index into the total set of social tags retrievable by this operation for which the returned set starts. The protocol server MUST NOT include any social tags with indices that are less than the specified value. This value MUST NOT be negative. If the value is zero or **null**, the protocol server MUST NOT limit the results based on this value.

#### 3.1.4.29.2.2 GetTagsOfUserResponse

The result data for the **GetTagsOfUser** WSDL operation.

```

<xs:element name="GetTagsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagsOfUserResult"
type="tns:ArrayOfSocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetTagsOfUserResult:** An **ArrayOfSocialTagDetail** complex type (section [2.2.4.6](#)) that contains the results. This element MUST be returned when the operation succeeds. Unless trimmed from the results, there MUST be one entry for each social tag that was added by the user who is specified by the **userAccountName** element. The results MUST be trimmed such that the values of the **maximumItemsToReturn** and **startIndex** elements are respected.

### 3.1.4.29.3 Complex Types

None.

### 3.1.4.29.4 Simple Types

None.

### 3.1.4.29.5 Attributes

None.

### 3.1.4.29.6 Groups

None.

### 3.1.4.29.7 Attribute Groups

None.

## 3.1.4.30 GetTagTerms

The **GetTagTerms** operation retrieves social tag terms for the current user.

```

<wsdl:operation name="GetTagTerms">
  <wsdl:input message="tns:GetTagTermsSoapIn"/>
  <wsdl:output message="tns:GetTagTermsSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetTagTermsSoapIn** request message and the protocol server responds with a **GetTagTermsSoapOut** response message.

### 3.1.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.30.1.1 GetTagTermsSoapIn

The request WSDL message for the **GetTagTerms** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTerms
```

The SOAP body contains the **GetTagTerms** element.

#### 3.1.4.30.1.2 GetTagTermsSoapOut

The response WSDL message for the **GetTagTerms** WSDL operation.

The SOAP body contains the **GetTagTermsResponse** element.

#### 3.1.4.30.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.30.2.1 GetTagTerms

The input data for the **GetTagTerms** WSDL operation.

```
<xs:element name="GetTagTerms">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**maximumItemsToReturn:** An integer type that specifies the maximum number of social tag terms to return. This value **MUST** be greater than or equal to zero and less than 3001 or null. When zero or **null** is passed, the protocol server **MUST** return a maximum of 1000 results.

##### 3.1.4.30.2.2 GetTagTermsResponse

The result data for the **GetTagTerms** WSDL operation.

```
<xs:element name="GetTagTermsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTagTermsResult:** An **ArrayOfSocialTermDetails** complex type (section [2.2.4.7](#)) that contains the results in descending order on the **SocialTermDetail Count** value. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag term for the current user, up to any maximum number of entries, as defined by the value of the

**maximumItemsToReturn** element. The protocol server MUST trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

#### 3.1.4.30.3 Complex Types

None.

#### 3.1.4.30.4 Simple Types

None.

#### 3.1.4.30.5 Attributes

None.

#### 3.1.4.30.6 Groups

None.

#### 3.1.4.30.7 Attribute Groups

None.

### 3.1.4.31 GetTagTermsOfUser

The **GetTagTermsOfUser** operation retrieves the social tag terms that were authored by a specific social tag user. The result set can be limited to a maximum number of items.

```
<wsdl:operation name="GetTagTermsOfUser">
  <wsdl:input message="tns:GetTagTermsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagTermsOfUserSoapIn** request message and the protocol server responds with a **GetTagTermsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server MUST send a SOAP fault message.

#### 3.1.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.31.1.1 GetTagTermsOfUserSoapIn

The request WSDL message for the **GetTagTermsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTermsOfUser
```

The SOAP body contains the **GetTagTermsOfUser** element.

### 3.1.4.31.1.2 GetTagTermsOfUserSoapOut

The response WSDL message for the **GetTagTermsOfUser** WSDL operation.

The SOAP body contains the **GetTagTermsOfUserResponse** element.

### 3.1.4.31.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.31.2.1 GetTagTermsOfUser

The input data for the **GetTagTermsOfUser** WSDL operation.

```
<xs:element name="GetTagTermsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**userAccountName:** A string type that contains the user login name that is associated with the social tag terms to query for. This argument **MUST NOT** be NULL. If the specified user login name does not reference an existing social tag user, the protocol server **MUST** return a SOAP fault message.

**maximumItemsToReturn:** An integer type that specifies the maximum number of items to return. This value **MUST** be greater than or equal to zero and less than 3001 or **null**. When zero or **null** is passed, the protocol server **MUST** return a maximum of 1000 results.

#### 3.1.4.31.2.2 GetTagTermsOfUserResponse

The result data for the **GetTagTermsOfUser** WSDL operation.

```
<xs:element name="GetTagTermsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsOfUserResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTagTermsOfUserResult:** An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each term that was created by the specified social tag user, and no more than the maximum number of results specified by the value of the **maximumItemsToReturn** element. The protocol server **MUST** trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.



### 3.1.4.31.3 Complex Types

None.

### 3.1.4.31.4 Simple Types

None.

### 3.1.4.31.5 Attributes

None.

### 3.1.4.31.6 Groups

None.

### 3.1.4.31.7 Attribute Groups

None.

### 3.1.4.32 GetTagTermsOnUrl

The **GetTagTermsOnUrl** operation retrieves the social tag terms for a specified social tag URL.

```
<wsdl:operation name="GetTagTermsOnUrl">
  <wsdl:input message="tns:GetTagTermsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagTermsOnUrlSoapIn** request message and the protocol server responds with a **GetTagTermsOnUrlSoapOut** response message.

#### 3.1.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.32.1.1 GetTagTermsOnUrlSoapIn

The request WSDL message for the **GetTagTermsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTermsOnUrl
```

The SOAP body contains the **GetTagTermsOnUrl** element.

##### 3.1.4.32.1.2 GetTagTermsOnUrlSoapOut

The response WSDL message for the **GetTagTermsOnUrl** WSDL operation.

The SOAP body contains the **GetTagTermsOnUrlResponse** element.

### 3.1.4.32.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.32.2.1 GetTagTermsOnUrl

The input data for the **GetTagTermsOnUrl** WSDL operation.

```
<xs:element name="GetTagTermsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the social tag URL to retrieve results for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

**maximumItemsToReturn:** An integer type that specifies the maximum number of items to return. This value **MUST** be greater than or equal to "0" (zero) and less than 1001 or null. When "0" (zero) or null is passed, the protocol server **MUST** return a maximum of 100 results.

#### 3.1.4.32.2.2 GetTagTermsOnUrlResponse

The result data for the **GetTagTermsOnUrl** WSDL operation.

```
<xs:element name="GetTagTermsOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsOnUrlResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTagTermsOnUrlResult:** An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results in descending order on the **SocialTermDetail Count** value. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element. The protocol server **MUST** trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

### 3.1.4.32.3 Complex Types

None.

### 3.1.4.32.4 Simple Types

None.

### 3.1.4.32.5 Attributes

None.

### 3.1.4.32.6 Groups

None.

### 3.1.4.32.7 Attribute Groups

None.

### 3.1.4.33 GetTagUrls

The **GetTagUrls** operation retrieves the social tag URLs that were tagged by the current user with a specified social tag term.

```
<wsdl:operation name="GetTagUrls">
  <wsdl:input message="tns:GetTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagUrlsSoapIn** request message and the protocol server responds with a **GetTagUrlsSoapOut** response message.

#### 3.1.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.33.1.1 GetTagUrlsSoapIn

The request WSDL message for the **GetTagUrls** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrls
```

The SOAP body contains the **GetTagUrls** element.

##### 3.1.4.33.1.2 GetTagUrlsSoapOut

The response WSDL message for the **GetTagUrls** WSDL operation.

The SOAP body contains the **GetTagUrlsResponse** element.

#### 3.1.4.33.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.33.2.1 GetTagUrls

The input data for the **GetTagUrls** WSDL operation.

```

<xs:element name="GetTagUrls">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:q8="http://microsoft.com/wsdl/types/" type="q8:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**termID:** A GUID type that identifies the social tag term to retrieve results for. If the specified value does not reference an existing social tag term, the protocol server MUST send a SOAP fault message.

### 3.1.4.33.2 GetTagUrlsResponse

The result data for the **GetTagUrls** WSDL operation.

```

<xs:element name="GetTagUrlsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsResult"
        type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetTagUrlsResult:** An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag URL for the specified social tag term. The protocol server MUST limit the results to 400.

### 3.1.4.33.3 Complex Types

None.

### 3.1.4.33.4 Simple Types

None.

### 3.1.4.33.5 Attributes

None.

### 3.1.4.33.6 Groups

None.

### 3.1.4.33.7 Attribute Groups

None.

### 3.1.4.34 GetTagUrlsByKeyword

The **GetTagUrlsByKeyword** operation retrieves the social tag URLs, tagged with a specified keyword, which are associated to the current user.

```

<wsdl:operation name="GetTagUrlsByKeyword">
  <wsdl:input message="tns:GetTagUrlsByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsByKeywordSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetTagUrlsByKeywordSoapIn** request message and the protocol server responds with a **GetTagUrlsByKeywordSoapOut** response message.

### 3.1.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.34.1.1 GetTagUrlsByKeywordSoapIn

The request WSDL message for the **GetTagUrlsByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsByKeyword
```

The SOAP body contains the **GetTagUrlsByKeyword** element.

#### 3.1.4.34.1.2 GetTagUrlsByKeywordSoapOut

The response WSDL message for the **GetTagUrlsByKeyword** WSDL operation.

The SOAP body contains the **GetTagUrlsByKeywordResponse** element.

### 3.1.4.34.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.34.2.1 GetTagUrlsByKeyword

The input data for the **GetTagUrlsByKeyword** WSDL operation.

```

<xs:element name="GetTagUrlsByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**keyword:** A string type that specifies the social tag term to query for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). If the specified value is not an existing social tag term, the protocol server MUST send a SOAP fault message.

#### 3.1.4.34.2.2 GetTagUrlsByKeywordResponse

The result data for the **GetTagUrlsByKeyword** WSDL operation.

```

<xs:element name="GetTagUrlsByKeywordResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsByKeywordResult"
type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetTagUrlsByKeywordResult:** An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results of the query. This element **MUST** be returned when the operation succeeds. There **MUST** be exactly one entry for each social tag URL that is associated with the specified social tag term. The protocol server **MUST** limit the results to 400.

### 3.1.4.34.3 Complex Types

None.

### 3.1.4.34.4 Simple Types

None.

### 3.1.4.34.5 Attributes

None.

### 3.1.4.34.6 Groups

None.

### 3.1.4.34.7 Attribute Groups

None.

### 3.1.4.35 GetTagUrlsOfUser

The **GetTagUrlsOfUser** operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.

```

<wsdl:operation name="GetTagUrlsOfUser">
  <wsdl:input message="tns:GetTagUrlsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetTagUrlsOfUserSoapIn** request message and the protocol server responds with a **GetTagUrlsOfUserSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server **MUST** send a SOAP fault message.

#### 3.1.4.35.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.35.1.1 GetTagUrlsOfUserSoapIn

The request WSDL message for the **GetTagUrlsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsOfUser
```

The SOAP body contains the **GetTagUrlsOfUser** element.

#### 3.1.4.35.1.2 GetTagUrlsOfUserSoapOut

The response WSDL message for the **GetTagUrlsOfUser** WSDL operation.

The SOAP body contains the **GetTagUrlsOfUserResponse** element.

### 3.1.4.35.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.35.2.1 GetTagUrlsOfUser

The input data for the **GetTagUrlsOfUser** WSDL operation.

```
<xs:element name="GetTagUrlsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:q9="http://microsoft.com/wsdl/types/" type="q9:guid"/>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**termID:** A GUID type that specifies the identifier of the social tag term to query for. If the specified value does not reference an existing social tag term, the protocol server MUST send a SOAP fault message.

**userAccountName:** A string type that specifies the user login name of the user who added a social tag with the specified social tag term. The protocol server MUST return only those social tags that were added by the specified social tag user. If the specified social tag user does not exist, the protocol server MUST send a SOAP fault message.

#### 3.1.4.35.2.2 GetTagUrlsOfUserResponse

The result data for the **GetTagUrlsOfUser** WSDL operation.

```
<xs:element name="GetTagUrlsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserResult"
        type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**GetTagUrlsOfUserResult:** An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be exactly one entry for each social tag URL that was tagged with the specified social tag term by the specified user. The protocol server MUST limit the results to 400.

### 3.1.4.35.3 Complex Types

None.

### 3.1.4.35.4 Simple Types

None.

### 3.1.4.35.5 Attributes

None.

### 3.1.4.35.6 Groups

None.

### 3.1.4.35.7 Attribute Groups

None.

## 3.1.4.36 GetTagUrlsOfUserByKeyword

The **GetTagUrlsOfUserByKeyword** operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.

```
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
  <wsdl:input message="tns:GetTagUrlsOfUserByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagUrlsOfUserByKeywordSoapIn** request message and the protocol server responds with a **GetTagUrlsOfUserByKeywordSoapOut** response message.

If the current user does not have permission to view the specified user profile, then the protocol server MUST send a SOAP fault message.

### 3.1.4.36.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.36.1.1 GetTagUrlsOfUserByKeywordSoapIn

The request WSDL message for the **GetTagUrlsOfUserByKeyword** WSDL operation.

The SOAP action value is:



<http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsOfUserByKeyword>

The SOAP body contains the **GetTagUrlsOfUserByKeyword** element.

#### 3.1.4.36.1.2 GetTagUrlsOfUserByKeywordSoapOut

The response WSDL message for the **GetTagUrlsOfUserByKeyword** WSDL operation.

The SOAP body contains the **GetTagUrlsOfUserByKeywordResponse** element.

#### 3.1.4.36.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.36.2.1 GetTagUrlsOfUserByKeyword

The input data for the **GetTagUrlsOfUserByKeyword** WSDL operation.

```
<xs:element name="GetTagUrlsOfUserByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**keyword:** A string type that specifies the social tag term to query for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). If the specified value is not an existing social tag term, the protocol server MUST send a SOAP fault message.

**userAccountName:** A string type that specifies the user login name of the social tag user to query for. If the specified social tag user does not exist, the protocol server MUST send a SOAP fault message.

##### 3.1.4.36.2.2 GetTagUrlsOfUserByKeywordResponse

The result data for the **GetTagUrlsOfUserByKeyword** WSDL operation.

```
<xs:element name="GetTagUrlsOfUserByKeywordResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserByKeywordResult"
        type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTagUrlsOfUserByKeywordResult:** An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be exactly one entry for each social tag URL that is associated with the specified social tag term and was authored by the specified social tag user. The protocol server MUST limit the results to 400.

### 3.1.4.36.3 Complex Types

None.

### 3.1.4.36.4 Simple Types

None.

### 3.1.4.36.5 Attributes

None.

### 3.1.4.36.6 Groups

None.

### 3.1.4.36.7 Attribute Groups

None.

### 3.1.4.37 PropagateRating

The **PropagateRating** operation triggers a recalculation of the current, average social rating for the specified URI that points to a protocol server list item and it stores that new value in the **Rating** field (2).

```
<wsdl:operation name="PropagateRating">
  <wsdl:input message="tns:PropagateRatingSoapIn"/>
  <wsdl:output message="tns:PropagateRatingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **PropagateRatingSoapIn** request message and the protocol server responds with a **PropagateRatingSoapOut** response message.

#### 3.1.4.37.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.37.1.1 PropagateRatingSoapIn

The request WSDL message for the **PropagateRating** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/PropagateRating
```

The SOAP body contains the **PropagateRating** element.

##### 3.1.4.37.1.2 PropagateRatingSoapOut

The response WSDL message for the **PropagateRating** WSDL operation.

The SOAP body contains the **PropagateRatingResponse** element.

### 3.1.4.37.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.37.2.1 PropagateRating

The input data for the **PropagateRating** WSDL operation.

```
<xs:element name="PropagateRating">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the URI of a protocol server list item whose metadata to update with the current, average social rating.

#### 3.1.4.37.2.2 PropagateRatingResponse

The result data for the **PropagateRating** WSDL operation.

```
<xs:element name="PropagateRatingResponse">
  <xs:complexType/>
</xs:element>
```

### 3.1.4.37.3 Complex Types

None.

### 3.1.4.37.4 Simple Types

None.

### 3.1.4.37.5 Attributes

None.

### 3.1.4.37.6 Groups

None.

### 3.1.4.37.7 Attribute Groups

None.

### 3.1.4.38 ReplicateFullSocialData

The **ReplicateFullSocialData** operation replicates the specified social comments, social tags and social ratings for a specified user profile to the server.

```
<wsdl:operation name="ReplicateFullSocialData">
```

```

    <wsdl:input message="tns:ReplicateFullSocialDataSoapIn"/>
    <wsdl:output message="tns:ReplicateFullSocialDataSoapOut"/>
  </wsdl:operation>

```

The protocol client sends a **ReplicateFullSocialDataSoapIn** request message and the protocol server responds with a **ReplicateFullSocialDataSoapOut** response message.

### 3.1.4.38.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.38.1.1 ReplicateFullSocialDataSoapIn

The request WSDL message for the **ReplicateFullSocialData** WSDL operation.

The SOAP action value is:

```

http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateFullSocialData

```

The SOAP body contains the **ReplicateFullSocialData** element.

#### 3.1.4.38.1.2 ReplicateFullSocialDataSoapOut

The response WSDL message for the **ReplicateFullSocialData** WSDL operation.

The SOAP body contains the **ReplicateFullSocialDataResponse** element.

### 3.1.4.38.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.38.2.1 ReplicateFullSocialData

The input data for the **ReplicateFullSocialData** WSDL operation.

```

<xs:element name="ReplicateFullSocialData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**userAccountName:** A string type that specifies the user login name of the user profile that the specified social data comments, social tags and social ratings should be replicated for. This value MUST NOT be **null** or empty.

**changes:** A **SocialReplicationData** complex type (section [2.2.4.17](#)) that contains the existing social comments, social tags and social ratings to replicate. The **DeletedComments**, **DeletedTags** and **DeletedRatings** fields (1) on this value MUST be **null**. This value MUST NOT be **null**.

### 3.1.4.38.2.2 ReplicateFullSocialDataResponse

The result data for the **ReplicateFullSocialData** WSDL operation.

```
<xs:element name="ReplicateFullSocialDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReplicateFullSocialDataResult"
        type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ReplicateFullSocialDataResult:** A Boolean value that contains the status of the operation. A value of **true** indicates success. A value of **false** indicates failure.

The protocol server MUST return a value of **false** if the specified user profile could not be found. The protocol server MUST return a value of **false** if **DeletedComments**, **DeletedTags** or **DeletedRatings** field (1) on **changes** is not **null**. The protocol server MUST return a value of **false** if the **Comments**, **Tags** or **Ratings** field (1) contain elements whose **Owner** field (1) is not equal to the specified user profile user name. The protocol server MUST return a value of **false** if there is a failure when replicating any data to the server.

### 3.1.4.38.3 Complex Types

None.

### 3.1.4.38.4 Simple Types

None.

### 3.1.4.38.5 Attributes

None.

### 3.1.4.38.6 Groups

None.

### 3.1.4.38.7 Attribute Groups

None.

### 3.1.4.39 ReplicateIncrementalSocialData

The **ReplicateIncrementalSocialData** operation replicates the specified existing and deleted social comments, social tags and social ratings to the server.

```
<wsdl:operation name="ReplicateIncrementalSocialData">
  <wsdl:input message="tns:ReplicateIncrementalSocialDataSoapIn"/>
  <wsdl:output message="tns:ReplicateIncrementalSocialDataSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **ReplicateIncrementalSocialDataSoapIn** request message and the protocol server responds with a **ReplicateIncrementalSocialDataSoapOut** response message.

### 3.1.4.39.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.39.1.1 ReplicateIncrementalSocialDataSoapIn

The request WSDL message for the **ReplicateIncrementalSocialData** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateIncrementalSocialData
```

The SOAP body contains the **ReplicateIncrementalSocialData** element.

#### 3.1.4.39.1.2 ReplicateIncrementalSocialDataSoapOut

The response WSDL message for the **ReplicateIncrementalSocialData** WSDL operation.

The SOAP body contains the **ReplicateIncrementalSocialDataResponse** element.

### 3.1.4.39.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.39.2.1 ReplicateIncrementalSocialData

The input data for the **ReplicateIncrementalSocialData** WSDL operation.

```
<xs:element name="ReplicateIncrementalSocialData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**changes:** A **SocialReplicationData** complex type (section [2.2.4.17](#)) that contains the existing and deleted social comments, social tags and social ratings to replicate. This value MUST NOT be null.

#### 3.1.4.39.2.2 ReplicateIncrementalSocialDataResponse

The result data for the **ReplicateIncrementalSocialData** WSDL operation.

```
<xs:element name="ReplicateIncrementalSocialDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReplicateIncrementalSocialDataResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

**ReplicateIncrementalSocialDataResult:** A Boolean value that contains the status of the operation. A value of **true** indicates success. A value of **false** indicates failure.

The protocol server **MUST** return a value of **false** if there is a failure when replicating any data to the server.

### 3.1.4.39.3 Complex Types

None.

### 3.1.4.39.4 Simple Types

None.

### 3.1.4.39.5 Attributes

None.

### 3.1.4.39.6 Groups

None.

### 3.1.4.39.7 Attribute Groups

None.

### 3.1.4.40 SetRating

The **SetRating** operation specifies a social rating by the current user for a specified URI.

```
<wsdl:operation name="SetRating">
  <wsdl:input message="tns:SetRatingSoapIn"/>
  <wsdl:output message="tns:SetRatingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **SetRatingSoapIn** request message and the protocol server responds with a **SetRatingSoapOut** response message. The protocol server **MUST** store the rating information, along with the time at which the rating was stored.

#### 3.1.4.40.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.40.1.1 SetRatingSoapIn

The request WSDL message for the **SetRating** WSDL operation.

The SOAP action value is:

The SOAP body contains the **SetRating** element.

#### 3.1.4.40.1.2 SetRatingSoapOut

The response WSDL message for the **SetRating** WSDL operation.

The SOAP body contains the **SetRatingResponse** element.

#### 3.1.4.40.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.40.2.1 SetRating

The input data for the **SetRating** WSDL operation.

```
<xs:element name="SetRating">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="rating" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="analysisDataEntry"
type="tns:FeedbackData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**url:** A string type that specifies the **URL** of the item to apply the social rating to.

**rating:** An integer type that specifies the rating value for the item. This value **MUST** be an integer between 1 and 5 inclusive, where 1 is the lowest rating and 5 is the highest rating possible.

**title:** A string type that specifies the title of the social rating, as it appears to users. This value **MUST** be fewer than or equal to 500 characters.

**analysisDataEntry:** A **FeedbackData** complex type (section [3.1.4.40.3.1](#)) that contains data about the social rating that is used to generate usage logging.

##### 3.1.4.40.2.2 SetRatingResponse

The result data for the **SetRating** WSDL operation.

```
<xs:element name="SetRatingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SetRatingResult" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**SetRatingResult:** A dateTime value that contains a **timestamp** indicating when the social rating was stored.

### 3.1.4.40.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.40.3.1 FeedbackData

**Namespace:** http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **FeedbackData** type contains data about a social rating that is used to generate usage logging.

```
<xs:complexType name="FeedbackData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="BrowserSessionId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="CustomData"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackAnswerId"
      xmlns:q1="http://microsoft.com/wsdl/types/" type="q1:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackAnswerNumericEquivalent"
      type="xs:int"/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackAnswerText" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackControlCulture" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackIdentifier"
      xmlns:q2="http://microsoft.com/wsdl/types/" type="q2:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackQuestionId"
      xmlns:q3="http://microsoft.com/wsdl/types/" type="q3:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackQuestionText" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="IsUserSatisfactionAnswer"
      type="xs:boolean"/>
    <xs:element minOccurs="1" maxOccurs="1" name="QueryId"
      xmlns:q4="http://microsoft.com/wsdl/types/" type="q4:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetTitle" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="SampleRate" type="xs:unsignedByte"/>
    <xs:element minOccurs="1" maxOccurs="1" name="RatedAssetWebId"
      xmlns:q5="http://microsoft.com/wsdl/types/" type="q5:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="SiteId"
      xmlns:q6="http://microsoft.com/wsdl/types/" type="q6:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserDepartment" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserTitle" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserVerbatim" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**BrowserSessionId:** A string type that contains the identifier that was assigned to the instance of the Web browser session's **SessionId** field that was active when the operation was called.

**CustomData:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**FeedbackAnswerId:** A GUID value that MUST be "a970c91c-28cb-4656-9b28-1fc1c9f87725".

**FeedbackAnswerNumericEquivalent:** An integer type that specifies the rating number to store. The value MUST be in the range of 0-100 inclusive.

**FeedbackAnswerText:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**FeedbackControlCulture:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**FeedbackIdentifier:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**FeedbackQuestionId:** A GUID value that MUST be "b471a6c6-c2c6-412e-aa07-96b0ed29eb30".

**FeedbackQuestionText:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**IsUserSatisfactionAnswer:** A Boolean value that MUST be **true**.

**QueryId:** A GUID value that MUST be "00000000-0000-0000-0000-000000000000".

**RatedAssetId:** A string type that specifies the URL to which the feedback data applies. This value MUST be the same as the value of the **url** element of the **SetRating** request that specified this **FeedbackData** complex type.

**RatedAssetTitle:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**SampleRate:** An unsigned byte value that MUST be 100.

**RatedAssetWebId:** A GUID type that identifies the site containing the item to which to apply the rating.

**SiteId:** A GUID type that identifies the site collection containing the item to which to apply the rating.

**UserId:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**UserDepartment:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**UserTitle:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

**UserVerbatim:** Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

#### 3.1.4.40.4 Simple Types

None.

#### 3.1.4.40.5 Attributes

None.

#### 3.1.4.40.6 Groups

None.

### 3.1.4.40.7 Attribute Groups

None.

#### 3.1.4.41 UpdateComment

The **UpdateComment** operation updates an existing social comment at a specified URI that was created by the calling user with the specified last modified time.

```
<wsdl:operation name="UpdateComment">
  <wsdl:input message="tns:UpdateCommentSoapIn"/>
  <wsdl:output message="tns:UpdateCommentSoapOut"/>
</wsdl:operation>
```

The protocol client sends an **UpdateCommentSoapIn** request message and the protocol server responds with an **UpdateCommentSoapOut** response message.

If the comment is not found at the specified URI created by the calling user with the specified time of last modification, the protocol server MUST return the current UTC time. The **Title** of a social comment cannot be updated using this operation.

##### 3.1.4.41.1 Messages

The following WSDL message definitions are specific to this operation.

###### 3.1.4.41.1.1 UpdateCommentSoapIn

The request WSDL message for the **UpdateComment** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateComment
```

The SOAP body contains the **UpdateComment** element.

###### 3.1.4.41.1.2 UpdateCommentSoapOut

The response WSDL message for the **UpdateComment** WSDL operation.

The SOAP body contains the **UpdateCommentResponse** element.

##### 3.1.4.41.2 Elements

The following XML Schema element definitions are specific to this operation.

###### 3.1.4.41.2.1 UpdateComment

The input data for the **UpdateComment** WSDL operation.

```
<xs:element name="UpdateComment">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**url:** A string that specifies the URI that is associated with the social comment to update. This value MUST be fewer than 2085 characters and MUST be URI format.

**lastModifiedTime:** A **dateTime** value that indicates when the social comment to update was last modified.

**comment:** A string that contains the body of the social comment. This value MUST contain at least one character and fewer than ,001 characters.

**isHighPriority:** A Boolean that indicates the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

### 3.1.4.41.2.2 UpdateCommentResponse

The result data for the **UpdateComment** WSDL operation.

```

<xs:element name="UpdateCommentResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="UpdateCommentResult" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**UpdateCommentResult:** A **dateTime** value that indicates the UTC time when this operation was called.

### 3.1.4.41.3 Complex Types

None.

### 3.1.4.41.4 Simple Types

None.

### 3.1.4.41.5 Attributes

None.

### 3.1.4.41.6 Groups

None.

### 3.1.4.41.7 Attribute Groups

None.

### **3.1.5 Timer Events**

None.

### **3.1.6 Other Local Events**

None.

## 4 Protocol Examples

### 4.1 Add Social Data to a URI

In this scenario, the current user wants to add a social comment and a social tag to a Web page. The protocol client uses the **AddComment** and **AddTagByKeyword** operations to add the data.

The protocol client starts by sending the following **AddComment** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddComment
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <comment>I enjoyed reading this page and will return to it later for
reference.</comment>
      <isHighPriority>false</isHighPriority>
      <title>Reference Page</title>
    </AddComment>
  </soap:Body>
</soap:Envelope>
```

The protocol server stores this information and sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddCommentResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <AddCommentResult>
        <Url>http://server.example.com/page</Url>
        <Owner>USERNAME</Owner>
        <LastModifiedTime>2009-05-08T19:32:27.847</LastModifiedTime>
        <Comment>I enjoyed reading this page and will return to it later for
reference.</Comment>
        <IsHighPriority>false</IsHighPriority>
        <Title>Reference Page</Title>
      </AddCommentResult>
    </AddCommentResponse>
  </soap:Body>
</soap:Envelope>
```

The user also wants to add a social tag. Therefore, the protocol client then sends the following [AddTagByKeyword](#) request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
```

```

    <AddTagByKeyword
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
    <url>http://server.example.com/page</url>
    <keyword>for future reference</keyword>
    <title>Reference Page</title>
    <isPrivate>>false</isPrivate>
  </AddTagByKeyword>
</soap:Body>
</soap:Envelope>

```

The protocol server stores this information and sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddTagByKeywordResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <AddTagByKeywordResult>
        <Url>http://server.example.com/page</Url>
        <Owner>USERNAME</Owner>
        <LastModifiedTime>2009-05-08T19:46:06.513</LastModifiedTime>
        <Term>
          <Id>e62b6078-456f-4b4d-8497-c4037f54f9e8</Id>
          <Name>for future reference</Name>
        </Term>
        <Title>Reference Page</Title>
        <IsPrivate>>false</IsPrivate>
      </AddTagByKeywordResult>
    </AddTagByKeywordResponse>
  </soap:Body>
</soap:Envelope>

```

## 4.2 View Social Data Comments

In this scenario, the current user wants to see the number of social comments that they have added and the social comments that they have added to a specific page.

The protocol client starts by sending the following **CountCommentsOfUser** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUser
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
    </CountCommentsOfUser>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOfUserResult>3</CountCommentsOfUserResult>
    </CountCommentsOfUserResponse>
  </soap:Body>
</soap:Envelope>
```

The protocol client then sends the following **CountCommentsOnUrl** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
    </CountCommentsOnUrl>
  </soap:Body>
</soap:Envelope>
```

The protocol server sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOnUrlResult>1</CountCommentsOnUrlResult>
    </CountCommentsOnUrlResponse>
  </soap:Body>
</soap:Envelope>
```

To verify that this social comment was added by the current user, the protocol client then sends the following **CountCommentsOfUserOnUrl** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
      <url>http://server.example.com/page</url>
    </CountCommentsOfUserOnUrl>
  </soap:Body>
</soap:Envelope>
```



The protocol server sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserOnUrlResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOfUserOnUrlResult>1</CountCommentsOfUserOnUrlResult>
    </CountCommentsOfUserOnUrlResponse>
  </soap:Body>
</soap:Envelope>
```

Finally, the protocol client requests the complete social comment for this URI by sending the following **GetCommentsOnUrl** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetCommentsOnUrl
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <maximumItemsToReturn>5</maximumItemsToReturn>
      <startIndex>0</startIndex>
      <excludeItemsTime>2009-05-07T00:00:00</excludeItemsTime>
    </GetCommentsOnUrl>
  </soap:Body>
</soap:Envelope>
```

The protocol server sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetCommentsOnUrlResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetCommentsOnUrlResult>
        <SocialCommentDetail>
          <Url>http://server.example.com/page</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T19:32:27.847</LastModifiedTime>
          <Comment>I enjoyed reading this page and will return to it later for
reference.</Comment>
          <IsHighPriority>>false</IsHighPriority>
          <Title>Reference Page</Title>
        </SocialCommentDetail>
      </GetCommentsOnUrlResult>
    </GetCommentsOnUrlResponse>
  </soap:Body>
</soap:Envelope>
```

## 4.3 Delete Social Data Comments

In this scenario, the current user wants to delete a social comment that they added. This example assumes that the protocol client knows the value of the **LastModifiedTime** element of the social comment to delete. The protocol client starts by sending the following **DeleteComment** request to the protocol server:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteComment
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <lastModifiedTime>2009-05-08T19:32:27.847</lastModifiedTime>
    </DeleteComment>
  </soap:Body>
</soap:Envelope>
```

The protocol server deletes the social comment and sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteCommentResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>
```

## 4.4 Find Social Data Tags

In this scenario, the current user wants to see a list of their social tags and other URIs that have the same social tags.

The protocol client starts by sending the following **GetTagsOfUser** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagsOfUser
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
      <maximumItemsToReturn>100</maximumItemsToReturn>
      <startIndex>0</startIndex>
    </GetTagsOfUser>
  </soap:Body>
</soap:Envelope>
```

The protocol server sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagsOfUserResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetTagsOfUserResult>
        <SocialTagDetail>
          <Url>http://server.example.com/page</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T19:46:06.513</LastModifiedTime>
          <Term>
            <Id>e62b6078-456f-4b4d-8497-c4037f54f9e8</Id>
            <Name>for future reference</Name>
          </Term>
          <Title>Reference Page</Title>
          <IsPrivate>false</IsPrivate>
        </SocialTagDetail>
      </GetTagsOfUserResult>
    </GetTagsOfUserResponse>
  </soap:Body>
</soap:Envelope>

```

The current user is interested in other URIs that have the same social tag. To retrieve these URIs, the protocol client sends the following **GetTagUrls** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagUrls
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <termID>e62b6078-456f-4b4d-8497-c4037f54f9e8</termID>
    </GetTagUrls>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagUrlsResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetTagUrlsResult>
        <string>http://server.example.com/page</string>
        <string>http://server.example.com/page2</string>
      </GetTagUrlsResult>
    </GetTagUrlsResponse>
  </soap:Body>
</soap:Envelope>

```

## 4.5 Delete Social Data Tags

In this scenario, the current user wants to delete a social tag that they created, as described in the preceding examples. This example assumes that the protocol client has saved the value of the **termID** element for the social tag.

The protocol client sends the following **DeleteTag** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteTag
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <termID>e62b6078-456f-4b4d-8497-c4037f54f9e8</termID>
    </DeleteTag>
  </soap:Body>
</soap:Envelope>
```

The protocol server deletes the specified social tag and sends the following response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteTagResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>
```

## 4.6 Add Social Ratings to a URI

In this example, the current user wants to add a social rating to a document. The protocol client does this by sending the following **SetRating** request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetRating
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
      <rating>5</rating>
      <title>Title</title>
      <analysisDataEntry>
        <BrowserSessionId></BrowserSessionId>
        <FeedbackAnswerId>a970c91c-28cb-4656-9b28-1fc1c9f87725</FeedbackAnswerId>
        <FeedbackAnswerNumericEquivalent>5</FeedbackAnswerNumericEquivalent>
        <FeedbackQuestionId>b471a6c6-c2c6-412e-aa07-96b0ed29eb30</FeedbackQuestionId>
        <IsUserSatisfactionAnswer>1</IsUserSatisfactionAnswer>
        <RatedAssetId>http://server.example.com/document</RatedAssetId>
        <SampleRate>100</SampleRate>
      </analysisDataEntry>
    </SetRating>
  </soap:Body>
</soap:Envelope>
```

```

        <RatedAssetWebId>2a01a954-1db0-45c9-942a-38f0288c8591</RatedAssetWebId>
        <SiteId>58cdfd10-f3a7-4528-97e2-6fbe8a077aba</SiteId>
    </analysisDataEntry>
</SetRating>
</soap:Body>
</soap:Envelope>

```

The protocol server stores this information and sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetRatingResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <SetRatingResult>2009-05-08T23:59:06.17</SetRatingResult>
    </SetRatingResponse>
  </soap:Body>
</soap:Envelope>

```

## 4.7 Find Information about Social Ratings

In this scenario, the current user wants to see the average rating for a document, and then progressively get more information about the social ratings for that document and their social ratings for other documents.

The protocol client starts by sending the following **GetRatingAverageOnUrl** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingAverageOnUrl
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
    </GetRatingAverageOnUrl>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingAverageOnUrlResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetRatingAverageOnUrlResult>
        <Url>http://server.example.com/document</Url>
        <Average>2.75</Average>
        <LastModifiedTime>2009-05-11T17:14:44.26</LastModifiedTime>
        <Count>4</Count>
      </GetRatingAverageOnUrlResult>
    </GetRatingAverageOnUrlResponse>
  </soap:Body>
</soap:Envelope>

```

```

        <CurrentUserRating>5</CurrentUserRating>
    </GetRatingAverageOnUrlResult>
</GetRatingAverageOnUrlResponse>
</soap:Body>
</soap:Envelope>

```

The current user now wants to see details for all four social ratings for the document. The protocol client sends the following **GetRatingsOnUrl** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingsOnUrl
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
    </GetRatingsOnUrl>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingsOnUrlResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetRatingsOnUrlResult>
        <SocialRatingDetail>
          <Url>http://server.example.com/document</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T23:59:06.17</LastModifiedTime>
          <Title>Title</Title>
          <Rating>5</Rating>
        </SocialRatingDetail>
        <SocialRatingDetail>
          <Url>http://server.example.com/document</Url>
          <Owner>USERNAME1</Owner>
          <LastModifiedTime>2009-05-11T17:14:43.683</LastModifiedTime>
          <Title>Title2</Title>
          <Rating>1</Rating>
        </SocialRatingDetail>
        <SocialRatingDetail>
          <Url>http://server.example.com/document</Url>
          <Owner>USERNAME2</Owner>
          <LastModifiedTime>2009-05-11T17:14:44.043</LastModifiedTime>
          <Title>Title3</Title>
          <Rating>2</Rating>
        </SocialRatingDetail>
        <SocialRatingDetail>
          <Url>http://server.example.com/document</Url>
          <Owner>USERNAME3</Owner>
          <LastModifiedTime>2009-05-11T17:14:44.26</LastModifiedTime>
          <Title>Title4</Title>

```

```

        <Rating>3</Rating>
      </SocialRatingDetail>
    </GetRatingsOnUrlResult>
  </GetRatingsOnUrlResponse>
</soap:Body>
</soap:Envelope>

```

The current user now wants to know about all the social ratings that were added by a specific user. The protocol client sends the following **GetRatingsOfUser** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingsOfUser
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
    </GetRatingsOfUser>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetRatingsOfUserResponse
      xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetRatingsOfUserResult>
        <SocialRatingDetail>
          <Url>http://server.example.com/document</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T23:59:06.17</LastModifiedTime>
          <Title>Title</Title>
          <Rating>5</Rating>
        </SocialRatingDetail>
        <SocialRatingDetail>
          <Url>http://server.example.com/document2</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T23:56:07.21</LastModifiedTime>
          <Title>Title2</Title>
          <Rating>4</Rating>
        </SocialRatingDetail>
      </GetRatingsOfUserResult>
    </GetRatingsOfUserResponse>
  </soap:Body>
</soap:Envelope>

```

## 4.8 Delete Social Ratings

In this example, the current user wants to delete one of their social ratings.

The protocol client sends the following **DeleteRating** request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteRating
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
    </DeleteRating>
  </soap:Body>
</soap:Envelope>

```

The protocol server deletes the rating and sends the following response:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteRatingResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>

```



## **5 Security**

### **5.1 Security Considerations for Implementers**

None.

### **5.2 Index of Security Parameters**

None.

## 6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided below:

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService"
xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
targetNamespace="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Social Data
  Service</wsdl:documentation>
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:element name="CountCommentsOfUser">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOfUserResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserResult"
type="xs:int" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOnUrl">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOnUrlResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOnUrlResult"
type="xs:int" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOfUserOnUrl">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:schema>
  </wsdl:types>

```

```

</xs:element>
<xs:element name="CountCommentsOfUserOnUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserOnUrlResult"
type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int" />
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserResult"
type="tns:ArrayOfSocialCommentDetail" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfSocialCommentDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialCommentDetail"
nillable="true" type="tns:SocialCommentDetail" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="SocialCommentDetail">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Comment" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="IsHighPriority" type="xs:boolean"
/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="SocialDataDetail" abstract="true">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"
/>
    <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetCommentsOnUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="excludeItemsTime" nillable="true"
type="xs:dateTime" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetCommentsOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOnUrlResult"
type="tns:ArrayOfSocialCommentDetail" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUserOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUserOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserOnUrlResult"
type="tns:ArrayOfSocialCommentDetail" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddComment">
    <xs:complexType>
        <xs:sequence>
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            <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" nillable="true"
type="xs:boolean" />
            <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddCommentResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="AddCommentResult"
type="tns:SocialCommentDetail" />
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    </xs:complexType>
</xs:element>
<xs:element name="UpdateComment">
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            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime"
type="xs:dateTime" />
            <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string" />

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" type="xs:boolean"
/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="UpdateCommentResponse">
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        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="UpdateCommentResult"
type="xs:dateTime" />
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    </xs:complexType>
</xs:element>
<xs:element name="DeleteComment">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime"
type="xs:dateTime" />
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    </xs:complexType>
</xs:element>
<xs:element name="DeleteCommentResponse">
    <xs:complexType />
</xs:element>
<xs:element name="CountRatingsOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CountRatingsOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountRatingsOnUrlResult"
type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRatingsOfUser">
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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
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    </xs:complexType>
</xs:element>
<xs:element name="GetRatingsOfUserResponse">
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        <xs:sequence>
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type="tns:ArrayOfSocialRatingDetail" />
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<xs:complexType name="ArrayOfSocialRatingDetail">
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```

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        <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialRatingDetail"
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    <xs:complexContent mixed="false">
        <xs:extension base="tns:SocialDataDetail">
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="Rating" type="xs:int" />
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="GetRatingsOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRatingsOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRatingsOnUrlResult"
type="tns:ArrayOfSocialRatingDetail" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetRatingOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRatingOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOnUrlResult"
type="tns:SocialRatingDetail" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetRatingOfUserOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRatingOfUserOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOfUserOnUrlResult"
type="tns:SocialRatingDetail" />
        </xs:sequence>
    </xs:complexType>

```

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</xs:element>
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    <xs:sequence>
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      <xs:element minOccurs="1" maxOccurs="1" name="rating" type="xs:int" />
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="analysisDataEntry"
type="tns:FeedbackData" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="FeedbackData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="BrowserSessionId" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="CustomData" />
    <xs:element xmlns:q1="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="FeedbackAnswerId" type="q1:guid" />
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackAnswerNumericEquivalent"
type="xs:int" />
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackAnswerText" type="xs:string"
/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackControlCulture"
type="xs:string" />
    <xs:element xmlns:q2="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="FeedbackIdentifier" type="q2:guid" />
    <xs:element xmlns:q3="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="FeedbackQuestionId" type="q3:guid" />
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackQuestionText"
type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="IsUserSatisfactionAnswer"
type="xs:boolean" />
    <xs:element xmlns:q4="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="QueryId" type="q4:guid" />
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetId" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetTitle" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="SampleRate" type="xs:unsignedByte" />
    <xs:element xmlns:q5="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="RatedAssetWebId" type="q5:guid" />
    <xs:element xmlns:q6="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="SiteId" type="q6:guid" />
    <xs:element minOccurs="0" maxOccurs="1" name="UserId" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="UserDepartment" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="UserTitle" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="UserVerbatim" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="SetRatingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SetRatingResult" type="xs:dateTime"
/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteRating">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:complexType>
      </xs:element>
      <xs:element name="DeleteRatingResponse">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetRatingAverageOnUrl">
        <xs:complexType>
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        </xs:complexType>
      </xs:element>
      <xs:complexType name="SocialRatingAverageDetail">
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          <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime" />
          <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long" />
          <xs:element minOccurs="1" maxOccurs="1" name="CurrentUserRating" type="xs:int" />
        </xs:sequence>
      </xs:complexType>
      <xs:element name="GetRatingAverageOnUrlResponse">
        <xs:complexType>
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type="tns:SocialRatingAverageDetail" />
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        </xs:complexType>
      </xs:element>
      <xs:element name="PropagateRating">
        <xs:complexType>
          <xs:sequence>
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        </xs:complexType>
      </xs:element>
      <xs:element name="PropagateRatingResponse">
        <xs:complexType />
      </xs:element>
      <xs:element name="CountTagsOfUser">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      <xs:element name="CountTagsOfUserResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountTagsOfUserResult"
type="xs:int" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetTagTerms">
        <xs:complexType>
          <xs:sequence>

```



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        <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
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    </xs:sequence>
</xs:complexType>
</xs:element>
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    <xs:sequence>
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        <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long" />
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<xs:complexType name="TermDetail">
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name="Id" type="q7:guid" />
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
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    <xs:sequence>
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nillable="true" type="tns:SocialTermDetail" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetTagTermsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsResult"
type="tns:ArrayOfSocialTermDetail" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTagTermsOfUser">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTagTermsOfUserResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsOfUserResult"
type="tns:ArrayOfSocialTermDetail" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetTagTermsOnUrl">
    <xs:complexType>
        <xs:sequence>
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nillable="true" type="xs:int" />
        </xs:sequence>
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</xs:element>
<xs:element name="GetTagTermsOnUrlResponse">

```

```

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        </xs:complexType>
      </xs:element>
      <xs:element name="GetAllTagTerms">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int" />
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        </xs:complexType>
      </xs:element>
      <xs:element name="GetAllTagTermsResponse">
        <xs:complexType>
          <xs:sequence>
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type="tns:ArrayOfSocialTermDetail" />
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        </xs:complexType>
      </xs:element>
      <xs:element name="GetAllTagTermsForUrlFolder">
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          <xs:sequence>
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/>
          </xs:sequence>
        </xs:complexType>
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      <xs:element name="GetAllTagTermsForUrlFolderResponse">
        <xs:complexType>
          <xs:sequence>
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type="tns:ArrayOfSocialTermDetail" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetTags">
        <xs:complexType>
          <xs:sequence>
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          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="ArrayOfSocialTagDetail">
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          <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialTagDetail"
nillable="true" type="tns:SocialTagDetail" />
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="SocialTagDetail">
        <xs:complexContent mixed="false">
          <xs:extension base="tns:SocialDataDetail">
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              <xs:element minOccurs="0" maxOccurs="1" name="Term" type="tns:TermDetail" />
              <xs:element minOccurs="1" maxOccurs="1" name="IsPrivate" type="xs:boolean" />
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>

```

```

        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="GetTagsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GetTagsResult"
type="tns:ArrayOfSocialTagDetail" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetTagsOfUser">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetTagsOfUserResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GetTagsOfUserResult"
type="tns:ArrayOfSocialTagDetail" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetTagUrls">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q8="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="termID" type="q8:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfString">
    <xs:sequence>
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type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="GetTagUrlsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsResult"
type="tns:ArrayOfString" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetTagUrlsByKeyword">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

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</xs:element>
<xs:element name="GetTagUrlsByKeywordResponse">
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    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsByKeywordResult"
type="tns:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTagUrlsOfUser">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q9="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="termID" type="q9:guid" />
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTagUrlsOfUserResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserResult"
type="tns:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTagUrlsOfUserByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTagUrlsOfUserByKeywordResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserByKeywordResult"
type="tns:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAllTagUrls">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q10="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="termID" type="q10:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="SocialUrlDetail">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfSocialUrlDetail">

```

```

        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialUrlDetail"
nillable="true" type="tns:SocialUrlDetail" />
        </xs:sequence>
      </xs:complexType>
    <xs:element name="GetAllTagUrlsResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsResult"
type="tns:ArrayOfSocialUrlDetail" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAllTagUrlsByKeyword">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAllTagUrlsByKeywordResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsByKeywordResult"
type="tns:ArrayOfSocialUrlDetail" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="AddTag">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
          <xs:element xmlns:q11="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="termID" type="q11:guid" />
          <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="AddTagResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="AddTagResult"
type="tns:SocialTagDetail" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="AddTagByKeyword">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>

```

```

<xs:element name="AddTagByKeywordResponse">
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    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddTagByKeywordResult"
type="tns:SocialTagDetail" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteTag">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
      <xs:element xmlns:q12="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="termID" type="q12:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteTagResponse">
  <xs:complexType />
</xs:element>
<xs:element name="DeleteTagByKeyword">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteTagByKeywordResponse">
  <xs:complexType />
</xs:element>
<xs:element name="DeleteTags">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteTagsResponse">
  <xs:complexType />
</xs:element>
<xs:element name="GetSocialDataForIncrementalReplication">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="startTime" type="xs:dateTime" />
      <xs:element minOccurs="1" maxOccurs="1" name="endTime" type="xs:dateTime" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="SocialReplicationData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Tags"
type="tns:ArrayOfSocialTagDetail" />
    <xs:element minOccurs="0" maxOccurs="1" name="Comments"
type="tns:ArrayOfSocialCommentDetail" />
    <xs:element minOccurs="0" maxOccurs="1" name="Ratings"
type="tns:ArrayOfSocialRatingDetail" />
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedTags"
type="tns:ArrayOfDeletedSocialTagDetail" />
  </xs:sequence>
</xs:complexType>

```

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        <xs:element minOccurs="0" maxOccurs="1" name="DeletedComments"
type="tns:ArrayOfDeletedSocialCommentDetail" />
        <xs:element minOccurs="0" maxOccurs="1" name="DeletedRatings"
type="tns:ArrayOfDeletedSocialRatingDetail" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDeletedSocialTagDetail">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialTagDetail"
nillable="true" type="tns:DeletedSocialTagDetail" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DeletedSocialTagDetail">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:DeletedSocialDataDetail">
            <xs:sequence>
                <xs:element xmlns:q13="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="TermID" type="q13:guid" />
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="DeletedSocialDataDetail" abstract="true">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="DeletedTime" type="xs:dateTime" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DeletedSocialRatingDetail">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:DeletedSocialDataDetail" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="DeletedSocialCommentDetail">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:DeletedSocialDataDetail">
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime"
type="xs:dateTime" />
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfDeletedSocialCommentDetail">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialCommentDetail"
nillable="true" type="tns:DeletedSocialCommentDetail" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDeletedSocialRatingDetail">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialRatingDetail"
nillable="true" type="tns:DeletedSocialRatingDetail" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetSocialDataForIncrementalReplicationResponse">
    <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1"
name="GetSocialDataForIncrementalReplicationResult" type="tns:SocialReplicationData" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetSocialDataForFullReplication">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetSocialDataForFullReplicationResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="GetSocialDataForFullReplicationResult" type="tns:SocialReplicationData" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ReplicateIncrementalSocialData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ReplicateIncrementalSocialDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1"
name="ReplicateIncrementalSocialDataResult" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ReplicateFullSocialData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ReplicateFullSocialDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="ReplicateFullSocialDataResult"
type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:schema>
<xs:schema xmlns:tns="http://microsoft.com/wsdl/types/" elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:simpleType name="guid">

```



```

        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
</xs:schema>
</wsdl:types>
<wsdl:message name="CountCommentsOfUserSoapIn">
    <wsdl:part name="parameters" element="tns:CountCommentsOfUser" />
</wsdl:message>
<wsdl:message name="CountCommentsOfUserSoapOut">
    <wsdl:part name="parameters" element="tns:CountCommentsOfUserResponse" />
</wsdl:message>
<wsdl:message name="CountCommentsOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:CountCommentsOnUrl" />
</wsdl:message>
<wsdl:message name="CountCommentsOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:CountCommentsOnUrlResponse" />
</wsdl:message>
<wsdl:message name="CountCommentsOfUserOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:CountCommentsOfUserOnUrl" />
</wsdl:message>
<wsdl:message name="CountCommentsOfUserOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:CountCommentsOfUserOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetCommentsOfUserSoapIn">
    <wsdl:part name="parameters" element="tns:GetCommentsOfUser" />
</wsdl:message>
<wsdl:message name="GetCommentsOfUserSoapOut">
    <wsdl:part name="parameters" element="tns:GetCommentsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetCommentsOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetCommentsOnUrl" />
</wsdl:message>
<wsdl:message name="GetCommentsOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetCommentsOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetCommentsOfUserOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetCommentsOfUserOnUrl" />
</wsdl:message>
<wsdl:message name="GetCommentsOfUserOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetCommentsOfUserOnUrlResponse" />
</wsdl:message>
<wsdl:message name="AddCommentSoapIn">
    <wsdl:part name="parameters" element="tns:AddComment" />
</wsdl:message>
<wsdl:message name="AddCommentSoapOut">
    <wsdl:part name="parameters" element="tns:AddCommentResponse" />
</wsdl:message>
<wsdl:message name="UpdateCommentSoapIn">
    <wsdl:part name="parameters" element="tns:UpdateComment" />
</wsdl:message>
<wsdl:message name="UpdateCommentSoapOut">
    <wsdl:part name="parameters" element="tns:UpdateCommentResponse" />
</wsdl:message>
<wsdl:message name="DeleteCommentSoapIn">
    <wsdl:part name="parameters" element="tns>DeleteComment" />
</wsdl:message>
<wsdl:message name="DeleteCommentSoapOut">

```

```

    <wsdl:part name="parameters" element="tns:DeleteCommentResponse" />
</wsdl:message>
<wsdl:message name="CountRatingsOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:CountRatingsOnUrl" />
</wsdl:message>
<wsdl:message name="CountRatingsOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:CountRatingsOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetRatingsOfUserSoapIn">
    <wsdl:part name="parameters" element="tns:GetRatingsOfUser" />
</wsdl:message>
<wsdl:message name="GetRatingsOfUserSoapOut">
    <wsdl:part name="parameters" element="tns:GetRatingsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetRatingsOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetRatingsOnUrl" />
</wsdl:message>
<wsdl:message name="GetRatingsOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetRatingsOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetRatingOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetRatingOnUrl" />
</wsdl:message>
<wsdl:message name="GetRatingOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetRatingOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetRatingOfUserOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetRatingOfUserOnUrl" />
</wsdl:message>
<wsdl:message name="GetRatingOfUserOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetRatingOfUserOnUrlResponse" />
</wsdl:message>
<wsdl:message name="SetRatingSoapIn">
    <wsdl:part name="parameters" element="tns:SetRating" />
</wsdl:message>
<wsdl:message name="SetRatingSoapOut">
    <wsdl:part name="parameters" element="tns:SetRatingResponse" />
</wsdl:message>
<wsdl:message name="DeleteRatingSoapIn">
    <wsdl:part name="parameters" element="tns:DeleteRating" />
</wsdl:message>
<wsdl:message name="DeleteRatingSoapOut">
    <wsdl:part name="parameters" element="tns:DeleteRatingResponse" />
</wsdl:message>
<wsdl:message name="GetRatingAverageOnUrlSoapIn">
    <wsdl:part name="parameters" element="tns:GetRatingAverageOnUrl" />
</wsdl:message>
<wsdl:message name="GetRatingAverageOnUrlSoapOut">
    <wsdl:part name="parameters" element="tns:GetRatingAverageOnUrlResponse" />
</wsdl:message>
<wsdl:message name="PropagateRatingSoapIn">
    <wsdl:part name="parameters" element="tns:PropagateRating" />
</wsdl:message>
<wsdl:message name="PropagateRatingSoapOut">
    <wsdl:part name="parameters" element="tns:PropagateRatingResponse" />
</wsdl:message>
<wsdl:message name="CountTagsOfUserSoapIn">
    <wsdl:part name="parameters" element="tns:CountTagsOfUser" />
</wsdl:message>

```

```

<wsdl:message name="CountTagsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:CountTagsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetTagTermsSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagTerms" />
</wsdl:message>
<wsdl:message name="GetTagTermsSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagTermsResponse" />
</wsdl:message>
<wsdl:message name="GetTagTermsOfUserSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagTermsOfUser" />
</wsdl:message>
<wsdl:message name="GetTagTermsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagTermsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetTagTermsOnUrlSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagTermsOnUrl" />
</wsdl:message>
<wsdl:message name="GetTagTermsOnUrlSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagTermsOnUrlResponse" />
</wsdl:message>
<wsdl:message name="GetAllTagTermsSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagTerms" />
</wsdl:message>
<wsdl:message name="GetAllTagTermsSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsResponse" />
</wsdl:message>
<wsdl:message name="GetAllTagTermsForUrlFolderSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsForUrlFolder" />
</wsdl:message>
<wsdl:message name="GetAllTagTermsForUrlFolderSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsForUrlFolderResponse" />
</wsdl:message>
<wsdl:message name="GetTagsSoapIn">
  <wsdl:part name="parameters" element="tns:GetTags" />
</wsdl:message>
<wsdl:message name="GetTagsSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagsResponse" />
</wsdl:message>
<wsdl:message name="GetTagsOfUserSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagsOfUser" />
</wsdl:message>
<wsdl:message name="GetTagsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetTagUrlsSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagUrls" />
</wsdl:message>
<wsdl:message name="GetTagUrlsSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagUrlsResponse" />
</wsdl:message>
<wsdl:message name="GetTagUrlsByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagUrlsByKeyword" />
</wsdl:message>
<wsdl:message name="GetTagUrlsByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagUrlsByKeywordResponse" />
</wsdl:message>
<wsdl:message name="GetTagUrlsOfUserSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUser" />

```

```

</wsdl:message>
<wsdl:message name="GetTagUrlsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUserResponse" />
</wsdl:message>
<wsdl:message name="GetTagUrlsOfUserByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUserByKeyword" />
</wsdl:message>
<wsdl:message name="GetTagUrlsOfUserByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUserByKeywordResponse" />
</wsdl:message>
<wsdl:message name="GetAllTagUrlsSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagUrls" />
</wsdl:message>
<wsdl:message name="GetAllTagUrlsSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagUrlsResponse" />
</wsdl:message>
<wsdl:message name="GetAllTagUrlsByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagUrlsByKeyword" />
</wsdl:message>
<wsdl:message name="GetAllTagUrlsByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagUrlsByKeywordResponse" />
</wsdl:message>
<wsdl:message name="AddTagSoapIn">
  <wsdl:part name="parameters" element="tns:AddTag" />
</wsdl:message>
<wsdl:message name="AddTagSoapOut">
  <wsdl:part name="parameters" element="tns:AddTagResponse" />
</wsdl:message>
<wsdl:message name="AddTagByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns:AddTagByKeyword" />
</wsdl:message>
<wsdl:message name="AddTagByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns:AddTagByKeywordResponse" />
</wsdl:message>
<wsdl:message name="DeleteTagSoapIn">
  <wsdl:part name="parameters" element="tns>DeleteTag" />
</wsdl:message>
<wsdl:message name="DeleteTagSoapOut">
  <wsdl:part name="parameters" element="tns>DeleteTagResponse" />
</wsdl:message>
<wsdl:message name="DeleteTagByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns>DeleteTagByKeyword" />
</wsdl:message>
<wsdl:message name="DeleteTagByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns>DeleteTagByKeywordResponse" />
</wsdl:message>
<wsdl:message name="DeleteTagsSoapIn">
  <wsdl:part name="parameters" element="tns>DeleteTags" />
</wsdl:message>
<wsdl:message name="DeleteTagsSoapOut">
  <wsdl:part name="parameters" element="tns>DeleteTagsResponse" />
</wsdl:message>
<wsdl:message name="GetSocialDataForIncrementalReplicationSoapIn">
  <wsdl:part name="parameters" element="tns:GetSocialDataForIncrementalReplication" />
</wsdl:message>
<wsdl:message name="GetSocialDataForIncrementalReplicationSoapOut">
  <wsdl:part name="parameters" element="tns:GetSocialDataForIncrementalReplicationResponse" />
</wsdl:message>

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```

<wsdl:message name="GetSocialDataForFullReplicationSoapIn">
  <wsdl:part name="parameters" element="tns:GetSocialDataForFullReplication" />
</wsdl:message>
<wsdl:message name="GetSocialDataForFullReplicationSoapOut">
  <wsdl:part name="parameters" element="tns:GetSocialDataForFullReplicationResponse" />
</wsdl:message>
<wsdl:message name="ReplicateIncrementalSocialDataSoapIn">
  <wsdl:part name="parameters" element="tns:ReplicateIncrementalSocialData" />
</wsdl:message>
<wsdl:message name="ReplicateIncrementalSocialDataSoapOut">
  <wsdl:part name="parameters" element="tns:ReplicateIncrementalSocialDataResponse" />
</wsdl:message>
<wsdl:message name="ReplicateFullSocialDataSoapIn">
  <wsdl:part name="parameters" element="tns:ReplicateFullSocialData" />
</wsdl:message>
<wsdl:message name="ReplicateFullSocialDataSoapOut">
  <wsdl:part name="parameters" element="tns:ReplicateFullSocialDataResponse" />
</wsdl:message>
<wsdl:portType name="SocialDataServiceSoap">
  <wsdl:operation name="CountCommentsOfUser">
    <wsdl:input message="tns:CountCommentsOfUserSoapIn" />
    <wsdl:output message="tns:CountCommentsOfUserSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOnUrl">
    <wsdl:input message="tns:CountCommentsOnUrlSoapIn" />
    <wsdl:output message="tns:CountCommentsOnUrlSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOfUserOnUrl">
    <wsdl:input message="tns:CountCommentsOfUserOnUrlSoapIn" />
    <wsdl:output message="tns:CountCommentsOfUserOnUrlSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOfUser">
    <wsdl:input message="tns:GetCommentsOfUserSoapIn" />
    <wsdl:output message="tns:GetCommentsOfUserSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOnUrl">
    <wsdl:input message="tns:GetCommentsOnUrlSoapIn" />
    <wsdl:output message="tns:GetCommentsOnUrlSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOfUserOnUrl">
    <wsdl:input message="tns:GetCommentsOfUserOnUrlSoapIn" />
    <wsdl:output message="tns:GetCommentsOfUserOnUrlSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="AddComment">
    <wsdl:input message="tns:AddCommentSoapIn" />
    <wsdl:output message="tns:AddCommentSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="UpdateComment">
    <wsdl:input message="tns:UpdateCommentSoapIn" />
    <wsdl:output message="tns:UpdateCommentSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="DeleteComment">
    <wsdl:input message="tns>DeleteCommentSoapIn" />
    <wsdl:output message="tns>DeleteCommentSoapOut" />
  </wsdl:operation>
  <wsdl:operation name="CountRatingsOnUrl">
    <wsdl:input message="tns:CountRatingsOnUrlSoapIn" />
    <wsdl:output message="tns:CountRatingsOnUrlSoapOut" />
  </wsdl:operation>

```

```

<wsdl:operation name="GetRatingsOfUser">
  <wsdl:input message="tns:GetRatingsOfUserSoapIn" />
  <wsdl:output message="tns:GetRatingsOfUserSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetRatingsOnUrl">
  <wsdl:input message="tns:GetRatingsOnUrlSoapIn" />
  <wsdl:output message="tns:GetRatingsOnUrlSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetRatingOnUrl">
  <wsdl:input message="tns:GetRatingOnUrlSoapIn" />
  <wsdl:output message="tns:GetRatingOnUrlSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetRatingOfUserOnUrl">
  <wsdl:input message="tns:GetRatingOfUserOnUrlSoapIn" />
  <wsdl:output message="tns:GetRatingOfUserOnUrlSoapOut" />
</wsdl:operation>
<wsdl:operation name="SetRating">
  <wsdl:input message="tns:SetRatingSoapIn" />
  <wsdl:output message="tns:SetRatingSoapOut" />
</wsdl:operation>
<wsdl:operation name="DeleteRating">
  <wsdl:input message="tns>DeleteRatingSoapIn" />
  <wsdl:output message="tns>DeleteRatingSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetRatingAverageOnUrl">
  <wsdl:input message="tns:GetRatingAverageOnUrlSoapIn" />
  <wsdl:output message="tns:GetRatingAverageOnUrlSoapOut" />
</wsdl:operation>
<wsdl:operation name="PropagateRating">
  <wsdl:input message="tns:PropagateRatingSoapIn" />
  <wsdl:output message="tns:PropagateRatingSoapOut" />
</wsdl:operation>
<wsdl:operation name="CountTagsOfUser">
  <wsdl:input message="tns:CountTagsOfUserSoapIn" />
  <wsdl:output message="tns:CountTagsOfUserSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagTerms">
  <wsdl:input message="tns:GetTagTermsSoapIn" />
  <wsdl:output message="tns:GetTagTermsSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagTermsOfUser">
  <wsdl:input message="tns:GetTagTermsOfUserSoapIn" />
  <wsdl:output message="tns:GetTagTermsOfUserSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagTermsOnUrl">
  <wsdl:input message="tns:GetTagTermsOnUrlSoapIn" />
  <wsdl:output message="tns:GetTagTermsOnUrlSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetAllTagTerms">
  <wsdl:input message="tns:GetAllTagTermsSoapIn" />
  <wsdl:output message="tns:GetAllTagTermsSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetAllTagTermsForUrlFolder">
  <wsdl:input message="tns:GetAllTagTermsForUrlFolderSoapIn" />
  <wsdl:output message="tns:GetAllTagTermsForUrlFolderSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTags">
  <wsdl:input message="tns:GetTagsSoapIn" />
  <wsdl:output message="tns:GetTagsSoapOut" />

```

```

</wsdl:operation>
<wsdl:operation name="GetTagsOfUser">
  <wsdl:input message="tns:GetTagsOfUserSoapIn" />
  <wsdl:output message="tns:GetTagsOfUserSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagUrls">
  <wsdl:input message="tns:GetTagUrlsSoapIn" />
  <wsdl:output message="tns:GetTagUrlsSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagUrlsByKeyword">
  <wsdl:input message="tns:GetTagUrlsByKeywordSoapIn" />
  <wsdl:output message="tns:GetTagUrlsByKeywordSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUser">
  <wsdl:input message="tns:GetTagUrlsOfUserSoapIn" />
  <wsdl:output message="tns:GetTagUrlsOfUserSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
  <wsdl:input message="tns:GetTagUrlsOfUserByKeywordSoapIn" />
  <wsdl:output message="tns:GetTagUrlsOfUserByKeywordSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetAllTagUrls">
  <wsdl:input message="tns:GetAllTagUrlsSoapIn" />
  <wsdl:output message="tns:GetAllTagUrlsSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetAllTagUrlsByKeyword">
  <wsdl:input message="tns:GetAllTagUrlsByKeywordSoapIn" />
  <wsdl:output message="tns:GetAllTagUrlsByKeywordSoapOut" />
</wsdl:operation>
<wsdl:operation name="AddTag">
  <wsdl:input message="tns:AddTagSoapIn" />
  <wsdl:output message="tns:AddTagSoapOut" />
</wsdl:operation>
<wsdl:operation name="AddTagByKeyword">
  <wsdl:input message="tns:AddTagByKeywordSoapIn" />
  <wsdl:output message="tns:AddTagByKeywordSoapOut" />
</wsdl:operation>
<wsdl:operation name="DeleteTag">
  <wsdl:input message="tns>DeleteTagSoapIn" />
  <wsdl:output message="tns>DeleteTagSoapOut" />
</wsdl:operation>
<wsdl:operation name="DeleteTagByKeyword">
  <wsdl:input message="tns>DeleteTagByKeywordSoapIn" />
  <wsdl:output message="tns>DeleteTagByKeywordSoapOut" />
</wsdl:operation>
<wsdl:operation name="DeleteTags">
  <wsdl:input message="tns>DeleteTagsSoapIn" />
  <wsdl:output message="tns>DeleteTagsSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetSocialDataForIncrementalReplication">
  <wsdl:input message="tns:GetSocialDataForIncrementalReplicationSoapIn" />
  <wsdl:output message="tns:GetSocialDataForIncrementalReplicationSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetSocialDataForFullReplication">
  <wsdl:input message="tns:GetSocialDataForFullReplicationSoapIn" />
  <wsdl:output message="tns:GetSocialDataForFullReplicationSoapOut" />
</wsdl:operation>
<wsdl:operation name="ReplicateIncrementalSocialData">
  <wsdl:input message="tns:ReplicateIncrementalSocialDataSoapIn" />

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        <wsdl:output message="tns:ReplicateIncrementalSocialDataSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ReplicateFullSocialData">
        <wsdl:input message="tns:ReplicateFullSocialDataSoapIn" />
        <wsdl:output message="tns:ReplicateFullSocialDataSoapOut" />
    </wsdl:operation>
</wsdl:portType>
<wsdl:binding name="SocialDataServiceSoap" type="tns:SocialDataServiceSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="CountCommentsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmmentsOfUser" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountCommentsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmmentsOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountCommentsOfUserOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmmentsOfUserOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUser" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
    </wsdl:operation>

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        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOfUserOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUserOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddComment">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComm
ent" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="UpdateComment">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateC
omment" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteComment">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteC
omment" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountRatingsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRa
tingsOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOfUser">

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        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOfUser" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOfUserOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOfUserOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetRating">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/SetRati
ng" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteRating">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteR
ating" style="document" />
        <wsdl:input>
            <soap:body use="literal" />

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        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingAverageOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingAverageOnUrl" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="PropagateRating">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/PropagateRating" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountTagsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTagsOfUser" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTerms">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTerms" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTermsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTermsOfUser" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

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    <wsdl:operation name="GetTagTermsOnUrl">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOnUrl" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagTerms">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTerms" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagTermsForUrlFolder">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTermsForUrlFolder" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTags">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagsOfUser">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
OfUser" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrls">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rls" style="document" />
      <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsByKeyword" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUser">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUser" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUserByKeyword" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrls">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrls" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrlsByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrlsByKeyword" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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        </wsdl:operation>
        <wsdl:operation name="AddTag">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag"
style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="AddTagByKeyword">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagB
yKeyword" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="DeleteTag">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ag" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="DeleteTagByKeyword">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
agByKeyword" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="DeleteTags">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ags" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetSocialDataForIncrementalReplication">
            <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForIncrementalReplication" style="document" />

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        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSocialDataForFullReplication">
        <soap:operation
            soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSocialDataForFullReplication" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ReplicateIncrementalSocialData">
        <soap:operation
            soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateIncrementalSocialData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ReplicateFullSocialData">
        <soap:operation
            soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateFullSocialData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
</wsdl:binding>
<wsdl:binding name="SocialDataServiceSoap12" type="tns:SocialDataServiceSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="CountCommentsOfUser">
        <soap12:operation
            soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUser" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountCommentsOnUrl">
        <soap12:operation
            soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOnUrl" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />

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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountCommentsOfUserOnUrl">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmentsOfUserOnUrl" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOfUser">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUser" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOnUrl">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOnUrl" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOfUserOnUrl">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUserOnUrl" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddComment">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComm
ent" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

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    <wsdl:operation name="UpdateComment">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateC
omment" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteComment">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteC
omment" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountRatingsOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRa
tingsOnUrl" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOfUser">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOfUser" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOnUrl" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOnUrl" style="document" />
      <wsdl:input>

```

```

        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRatingOfUserOnUrl">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingOfUserOnUrl" style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SetRating">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/SetRating" style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="DeleteRating">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteRating" style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRatingAverageOnUrl">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingAverageOnUrl" style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="PropagateRating">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/PropagateRating" style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>

```

```

        </wsdl:operation>
        <wsdl:operation name="CountTagsOfUser">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTa
gsOfUser" style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetTagTerms">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
erms" style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetTagTermsOfUser">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOfUser" style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetTagTermsOnUrl">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOnUrl" style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetAllTagTerms">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTerms" style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetAllTagTermsForUrlFolder">
            <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTermsForUrlFolder" style="document" />

```

```

        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
    </wsdl:output>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTags">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagsOfUser">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
OfUser" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrls">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rls" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrlsByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsByKeyword" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrlsOfUser">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUser" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

```

```

        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrlsOfUserByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUserByKeyword" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagUrls">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrls" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagUrlsByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrlsByKeyword" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddTag">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag"
style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddTagByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagB
yKeyword" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTag">

```

```

        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ag" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTagByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
agByKeyword" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTags">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ags" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSocialDataForIncrementalReplication">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForIncrementalReplication" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSocialDataForFullReplication">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForFullReplication" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ReplicateIncrementalSocialData">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teIncrementalSocialData" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />

```

```

        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ReplicateFullSocialData">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teFullSocialData" style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

## 7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® Lync™ 2010
- Microsoft® Office 2010 suites
- Microsoft® SharePoint® Designer 2010
- Microsoft® SharePoint® Server 2010
- Microsoft® SharePoint® Workspace 2010
- Microsoft® Visio® 2010

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.



## 8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

## 9 Index

### A

Abstract data model  
    [server](#) 29  
[Add social data to a URI example](#) 110  
[Add social ratings to a URI example](#) 116  
[Applicability](#) 16  
[ArrayOfDeletedSocialCommentDetail complex type](#) 20  
[ArrayOfDeletedSocialRatingDetail complex type](#) 20  
[ArrayOfDeletedSocialTagDetail complex type](#) 20  
[ArrayOfSocialCommentDetail complex type](#) 20  
[ArrayOfSocialRatingDetail complex type](#) 21  
[ArrayOfSocialTagDetail complex type](#) 21  
[ArrayOfSocialTermDetail complex type](#) 21  
[ArrayOfSocialUriDetail complex type](#) 22  
[ArrayOfString complex type](#) 22  
[Attribute groups](#) 28  
[Attributes](#) 27

### C

[Capability negotiation](#) 16  
[Change tracking](#) 161  
Client  
    [details](#) 29  
[Complex types](#) 18  
    [ArrayOfDeletedSocialCommentDetail](#) 20  
    [ArrayOfDeletedSocialRatingDetail](#) 20  
    [ArrayOfDeletedSocialTagDetail](#) 20  
    [ArrayOfSocialCommentDetail](#) 20  
    [ArrayOfSocialRatingDetail](#) 21  
    [ArrayOfSocialTagDetail](#) 21  
    [ArrayOfSocialTermDetail](#) 21  
    [ArrayOfSocialUriDetail](#) 22  
    [ArrayOfString](#) 22  
    [DeletedSocialCommentDetail](#) 22  
    [DeletedSocialDataDetail](#) 23  
    [DeletedSocialRatingDetail](#) 23  
    [DeletedSocialTagDetail](#) 23  
    [SocialCommentDetail](#) 24  
    [SocialDataDetail](#) 24  
    [SocialRatingDetail](#) 24  
    [SocialReplicationData](#) 25  
    [SocialTagDetail](#) 25  
    [SocialTermDetail](#) 26  
    [SocialUriDetail](#) 26  
    [TermDetail](#) 27

### D

Data model - abstract  
    [server](#) 29  
[Delete social data comments example](#) 114  
[Delete social data tags example](#) 116  
[Delete social ratings example](#) 119  
[DeletedSocialCommentDetail complex type](#) 22  
[DeletedSocialDataDetail complex type](#) 23  
[DeletedSocialRatingDetail complex type](#) 23

[DeletedSocialTagDetail complex type](#) 23

### E

Events  
    [local - server](#) 109  
    [timer - server](#) 109  
Examples  
    [add social data to a URI](#) 110  
    [add social ratings to a URI](#) 116  
    [delete social data comments](#) 114  
    [delete social data tags](#) 116  
    [delete social ratings](#) 119  
    [find information about social ratings](#) 117  
    [find social data tags](#) 114  
    [view social data comments](#) 111

### F

[Fields - vendor-extensible](#) 17  
[Find information about social ratings example](#) 117  
[Find social data tags example](#) 114  
[Full WSDL](#) 122

### G

[Glossary](#) 14  
[Groups](#) 27  
[guid simple type](#) 27

### I

[Implementer - security considerations](#) 121  
[Index of security parameters](#) 121  
[Informative references](#) 15  
Initialization  
    [server](#) 30  
[Introduction](#) 14

### L

Local events  
    [server](#) 109

### M

Message processing  
    [server](#) 30  
[Messages](#) 18  
    [ArrayOfDeletedSocialCommentDetail complex type](#) 20  
    [ArrayOfDeletedSocialRatingDetail complex type](#) 20  
    [ArrayOfDeletedSocialTagDetail complex type](#) 20  
    [ArrayOfSocialCommentDetail complex type](#) 20  
    [ArrayOfSocialRatingDetail complex type](#) 21  
    [ArrayOfSocialTagDetail complex type](#) 21  
    [ArrayOfSocialTermDetail complex type](#) 21  
    [ArrayOfSocialUriDetail complex type](#) 22

- [ArrayOfString complex type](#) 22
- [attribute groups](#) 28
- [attributes](#) 27
- [complex types](#) 18
- [DeletedSocialCommentDetail complex type](#) 22
- [DeletedSocialDataDetail complex type](#) 23
- [DeletedSocialRatingDetail complex type](#) 23
- [DeletedSocialTagDetail complex type](#) 23
- [elements](#) 18
- [enumerated](#) 18
- [groups](#) 27
- [guid simple type](#) 27
- [namespaces](#) 18
- [simple types](#) 27
- [SocialCommentDetail complex type](#) 24
- [SocialDataDetail complex type](#) 24
- [SocialRatingDetail complex type](#) 24
- [SocialReplicationData complex type](#) 25
- [SocialTagDetail complex type](#) 25
- [SocialTermDetail complex type](#) 26
- [SocialUrlDetail complex type](#) 26
- [syntax](#) 18
- [TermDetail complex type](#) 27
- [transport](#) 18

## N

- [Namespaces](#) 18
- [Normative references](#) 15
- Notes (social comments)
  - [server](#) 29

## O

- Operations
  - [AddComment](#) 32
  - [AddTag](#) 34
  - [AddTagByKeyword](#) 36
  - [CountCommentsOfUser](#) 38
  - [CountCommentsOfUserOnUrl](#) 40
  - [CountCommentsOnUrl](#) 42
  - [CountRatingsOnUrl](#) 44
  - [CountTagsOfUser](#) 45
  - [DeleteComment](#) 47
  - [DeleteRating](#) 49
  - [DeleteTag](#) 50
  - [DeleteTagByKeyword](#) 52
  - [DeleteTags](#) 54
  - [GetAllTagTerms](#) 55
  - [GetAllTagTermsForUrlFolder](#) 57
  - [GetAllTagUrls](#) 59
  - [GetAllTagUrlsByKeyword](#) 60
  - [GetCommentsOfUser](#) 62
  - [GetCommentsOfUserOnUrl](#) 64
  - [GetCommentsOnUrl](#) 66
  - [GetRatingAverageOnUrl](#) 68
  - [GetRatingOfUserOnUrl](#) 71
  - [GetRatingOnUrl](#) 73
  - [GetRatingsOfUser](#) 74
  - [GetRatingsOnUrl](#) 76
  - [GetSocialDataForFullReplication](#) 78
  - [GetSocialDataForIncrementalReplication](#) 80

- [GetTags](#) 81
- [GetTagsOfUser](#) 83
- [GetTagTerms](#) 85
- [GetTagTermsOfUser](#) 87
- [GetTagTermsOnUrl](#) 89
- [GetTagUrls](#) 91
- [GetTagUrlsByKeyword](#) 92
- [GetTagUrlsOfUser](#) 94
- [GetTagUrlsOfUserByKeyword](#) 96
- [PropagateRating](#) 98
- [ReplicateFullSocialData](#) 99
- [ReplicateIncrementalSocialData](#) 101
- [SetRating](#) 103
- [UpdateComment](#) 107
- [Overview \(synopsis\)](#) 15

## P

- [Parameters - security index](#) 121
- [Preconditions](#) 16
- [Prerequisites](#) 16
- [Product behavior](#) 160

## R

- Ratings
  - [server](#) 30
- References
  - [informative](#) 15
  - [normative](#) 15
- [Relationship to other protocols](#) 16

## S

- Security
  - [implementer considerations](#) 121
  - [parameter index](#) 121
- Sequencing rules
  - [server](#) 30
- Server
  - [abstract data model](#) 29
  - [AddComment operation](#) 32
  - [AddTag operation](#) 34
  - [AddTagByKeyword operation](#) 36
  - [CountCommentsOfUser operation](#) 38
  - [CountCommentsOfUserOnUrl operation](#) 40
  - [CountCommentsOnUrl operation](#) 42
  - [CountRatingsOnUrl operation](#) 44
  - [CountTagsOfUser operation](#) 45
  - [DeleteComment operation](#) 47
  - [DeleteRating operation](#) 49
  - [DeleteTag operation](#) 50
  - [DeleteTagByKeyword operation](#) 52
  - [DeleteTags operation](#) 54
  - [details](#) 29
  - [GetAllTagTerms operation](#) 55
  - [GetAllTagTermsForUrlFolder operation](#) 57
  - [GetAllTagUrls operation](#) 59
  - [GetAllTagUrlsByKeyword operation](#) 60
  - [GetCommentsOfUser operation](#) 62
  - [GetCommentsOfUserOnUrl operation](#) 64
  - [GetCommentsOnUrl operation](#) 66

- [GetRatingAverageOnUrl operation](#) 68
- [GetRatingOfUserOnUrl operation](#) 71
- [GetRatingOnUrl operation](#) 73
- [GetRatingsOfUser operation](#) 74
- [GetRatingsOnUrl operation](#) 76
- [GetSocialDataForFullReplication operation](#) 78
- [GetSocialDataForIncrementalReplication operation](#) 80
- [GetTags operation](#) 81
- [GetTagsOfUser operation](#) 83
- [GetTagTerms operation](#) 85
- [GetTagTermsOfUser operation](#) 87
- [GetTagTermsOnUrl operation](#) 89
- [GetTagUrls operation](#) 91
- [GetTagUrlsByKeyword operation](#) 92
- [GetTagUrlsOfUser operation](#) 94
- [GetTagUrlsOfUserByKeyword operation](#) 96
- [initialization](#) 30
- [local events](#) 109
- [message processing](#) 30
- [PropagateRating operation](#) 98
- [ReplicateFullSocialData operation](#) 99
- [ReplicateIncrementalSocialData operation](#) 101
- [sequencing rules](#) 30
- [SetRating operation](#) 103
- [timer events](#) 109
- [timers](#) 30
- [UpdateComment operation](#) 107
- Server abstract data model
  - [notes \(social comments\)](#) 29
  - [Ratings](#) 30
  - [social tags](#) 29
- [Simple types](#) 27
  - [guid](#) 27
- Social tags
  - [server](#) 29
- [SocialCommentDetail complex type](#) 24
- [SocialDataDetail complex type](#) 24
- [SocialRatingDetail complex type](#) 24
- [SocialReplicationData complex type](#) 25
- [SocialTagDetail complex type](#) 25
- [SocialTermDetail complex type](#) 26
- [SocialUrlDetail complex type](#) 26
- [Standards assignments](#) 17
- Syntax
  - [messages - overview](#) 18

## T

- [TermDetail complex type](#) 27
- Timer events
  - [server](#) 109
- Timers
  - [server](#) 30
- [Tracking changes](#) 161
- [Transport](#) 18
- Types
  - [complex](#) 18
  - [simple](#) 27

## V

- [Vendor-extensible fields](#) 17
- [Versioning](#) 16
- [View social data comments example](#) 111

## W

- [WSDL](#) 122