

MS-WSSREST Test Suite Specification

**Abstract:** This document provides information about how to configure the test suite and how MS-WSSREST test suite is designed to test the MS-WSSREST Open Specification usability and accuracy. It describes test assumptions, scope and constraints of the test suite. It also specifies test scenarios, detailed test cases, test suite architecture and adapter design**.**

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# Configuring the test suite

## Configuring the test suite client

### Configuring the test suite client manually

Before you run the test suite, update the values in the MS-WSSREST\_TestSuite.deployment.ptfconfig file. The MS-WSSREST\_TestSuite.deployment.ptfconfig file can also be configured by running the client setup script.

1. Open MS-WSSREST\TestSuite\MS-WSSREST\_TestSuite.deployment.ptfconfig file.
2. Update the following value to specify the common configuration file.

Property name="CommonConfigurationFileName" value="SharePointCommonConfiguration.deployment.ptfconfig"

**Note**   This property can be removed or set to empty if the required properties are copied to the test suite specific configuration file. Any other changes to this property will cause all test cases in the test suite to fail during execution. The test suite first search through its specific configuration file and use the properties from there if they are defined, before looking for them from the common configuration file (if specified).

1. Update the following property values to match SUT settings and configuration.

* Property name="TargetServiceUrl" value="[TransportType]://[SutComputerName]/sites/[SiteCollectionName]/\_vti\_bin/ListData.svc"
* Property name="SiteCollectionName" value="MSWSSREST\_SiteCollection"
* Property name="DocumentLibrariesPath" value="[TransportType]://[SutComputerName]/sites/[SiteCollectionName]"
* Property name="ListwsServiceUrl" value="[TransportType]://[SutComputerName]/sites/[SiteCollectionName]/\_vti\_bin/lists.asmx"

1. The following properties are not associated with SUT settings and can normally retain the default values.

* Property name="DoucmentLibraryListName" value="MSWSSREST\_DocumentLibrary"
* Property name="GeneralListName" value="MSWSSREST\_GenericList"
* Property name="SurveyListName" value="MSWSSREST\_Survey"
* Property name="TaskListName" value="MSWSSREST\_Tasks"
* Property name="DiscussionBoardListName" value="MSWSSREST\_DiscussionBoard"
* Property name="CalendarListName" value="MSWSSREST\_Calendar"
* Property name="WorkflowHistoryListName" value="MSWSSREST\_WorkflowHistoryList"
* Property name="ChoiceFieldName" value="MSWSSREST\_ChoiceField"
* Property name="MultiChoiceFieldName" value="MSWSSREST\_MultiChoiceField"
* Property name="CounterFieldName" value="Id"
* Property name="ContentTypeIdFieldName" value="ContentTypeID"
* Property name="TextFieldName" value="Title"
* Property name="DateTimeFieldName" value="Modified"
* Property name="UserFieldName" value="CreatedBy"
* Property name="AttachmentsFieldName" value="Attachments"
* Property name="LookupFieldName" value="MSWSSREST\_LookupField"
* Property name="URLFieldName" value="MSWSSREST\_URLField"
* Property name="WorkflowEventTypeFieldName" value="MSWSSREST\_WorkFlowEventTypeField"
* Property name="BooleanFieldName" value="MSWSSREST\_BooleanField"
* Property name="IntegerFieldName" value="MSWSSREST\_IntegerField"
* Property name="NumberFieldName" value="MSWSSREST\_NumberField"
* Property name="CurrencyFieldName" value="MSWSSREST\_CurrencyField"
* Property name="WorkflowStatusFieldName" value="MSWSSREST\_Workflow"
* Property name="AllDayEventFieldName" value="AllDayEvent"
* Property name="RecurrenceFieldName" value="Recurrence"
* Property name="CrossProjectLinkFieldName" value="Workspace"
* Property name="ModStatFieldName" value="ApprovalStatus"
* Property name="FileFieldName" value="Name"
* Property name="GridChoiceFieldName" value="MSWSSREST\_GridChoiceField"
* Property name="PageSeparatorFieldName" value="MSWSSREST\_PageSeparatorField"
* Property name="NoteFieldName" value="Description"
* Property name="ChoiceFieldOptions" value="MSWSSREST\_SingleChoiceOption1, MSWSSREST\_SingleChoiceOption2"
* Property name="MultiChoiceFieldOptions" value="MSWSSREST\_MultiChoiceOption1, MSWSSREST\_MultiChoiceOption2"

### Configuring the test suite client by scripts

To configure the test suite client using scripts, see section 5.2.4 of the [SharePointTestSuiteDeploymentGuide.docx](../SharePointTestSuiteDeploymentGuide.docx).

## Configuring the system under test (SUT)

### Configuring the SUT manually

To manually configure the SUT, see section 5.1.3 of the [SharePointTestSuiteDeploymentGuide.docx](../SharePointTestSuiteDeploymentGuide.docx).

### Configuring the SUT by scripts

To configure the SUT using scripts, see section 5.1.2 of the [SharePointTestSuiteDeploymentGuide.docx](../SharePointTestSuiteDeploymentGuide.docx).

## Configuring the SHOULD/MAY requirements

All the implementation of the SHOULD/MAY and endnote related requirements are pre-configured in the format "<Property name="RXXXEnabled" value="XXXX"/>" for six Microsoft product versions in four SHOULD/MAY PTFConfig files:

* MS-WSSREST\_WindowsSharePointServices3\_SHOULDMAY.deployment.ptfconfig
* MS-WSSREST\_SharePointServer2007\_SHOULDMAY.deployment.ptfconfig
* MS-WSSREST\_SharePointFoundation2010\_SHOULDMAY.deployment.ptfconfig
* MS-WSSREST\_SharePointServer2010\_SHOULDMAY.deployment.ptfconfig
* MS-WSSREST\_SharePointFoundation2013\_SHOULDMAY.deployment.ptfconfig
* MS-WSSREST\_SharePointServer2013\_SHOULDMAY.deployment.ptfconfig

If RXXXEnabled is set to true, the requirement must be checked. If false, the requirement must not be checked. For Microsoft product versions, all values should not be changed. For third-party products, the closest Microsoft product version should be chosen, and the value of RXXXEnabled should be updated according to the real product behavior. For example, if SharePoint Foundation 2010 is chosen,user can open **MS-WSSREST\_SharePointFoundation2010\_SHOULDMAY.deployment.ptfconfig** and update the RXXXEnabled accordingly.

# Test suite design

## Assumptions, scope and constraints

Assumptions

None.

Scope

In scope

* This test suite will verify the accuracy and integrity of the technical content in the Open Specification against the results returned from the protocol server by using five operations: InsertListItem, UpdateListItem, RetrieveListItem, DeleteListItem and BatchRequests.
* This test suite will verify the server-side and testable requirements by running all the test cases on both HTTP and HTTPS.

Out of scope

* This test suite will not verify the requirements related to client behaviors.
* This test suite will not verify the requirements related to server internal behaviors.
* This test suite will not verify the internal implementations of its transport protocol stack.

Constraints

None.

## Test suite architecture

This test suite verifies the server-side and testable requirements obtained from the Open Specification. The following figure shows the architecture of this test suite.



MS-WSSREST test suite architecture

The details of the MS-WSSREST test suite architecture

* SUT hosts the ListData Data Service which this test suite runs against.
* From third-party user’s point of view, the SUT is the protocol server implementation.
* The following products have been tested with the MS-WSSREST test suite on the Windows platform.
* Microsoft SharePoint Foundation 2010 Service Pack 2 (SP2)
* Microsoft SharePoint Foundation 2013 SP1
* Microsoft SharePoint Server 2010 Service Pack 2 (SP2)
* Microsoft SharePoint Server 2013 SP1
* The test suite acts as the client to communicate with the SUT and validates the requirements gathered from the MS-WSSREST Open Specification.
* Test cases use the MS-WSSREST adapter to call and get the results of the MS-WSSREST operations. Test cases also use the MS-WSSREST SUT control adapter to configure and retrieve information from SUT.
* MS-WSSREST adapter is used in the test cases. The test cases call the methods in the interfaces to invoke the MS-WSSREST protocol adapter’s operations.
* MS-WSSREST SUT control adapter is used in the test cases. The test cases call the methods in the interfaces to configure the SUT.

## Technical dependencies and considerations

Dependencies

* This test suite depends on the HTTP messaging protocol for exchanging structured data and type information.
* This test suite depends on the HTTP protocol or HTTPS protocol to transmit the messages.
* This test suite depends on the Protocol Test Framework (PTF) to derive managed adapters.

Encryption consideration

Transportation of MS-WSSREST includes HTTP and HTTPS, and encryption will be handled by HTTPS.

## Adapter design

### Adapter overview

One protocol adapter and one SUT control adapter are used in this test suite.

Protocol adapter

* MS-WSSREST protocol adapter
* The MS-WSSREST adapter is a managed adapter, which is derived from the ManagedAdapterBase class in PTF.
* The MS-WSSREST adapter has the following functionalities
* Choose HTTP or HTTPS for transport;
* Construct requests of five MS-WSSREST operations;
* Communicate with the SUT by sending requests to the SUT and receive the corresponding responses from the SUT;
* Analyze the response messages and validate the messages according to the schema;
* The MS-WSSREST adapter uses the C# proxy class.

SUT control adapters

* MS-WSSREST SUT control adapter
* The MS-WSSREST SUT control adapter is a managed adapter, which is derived from the ManagedAdapterBase class in PTF.
* The MS-WSSREST SUT control adapter has the following functionalities
* Check whether the type of the specified field equal the expect field type.
* Retrieve default ContentTypeID from list.
* The MS-WSSREST SUT control adapter is invoked by the test cases.

### Technical feasibility of adapter approach

Message generation

The MS-WSSREST adapter gets the parameter values and calls the corresponding operations in MS-WSSREST proxy class, the MS-WSSREST proxy class serializes the parameter values to format the HTTP request messages, and then the HTTP request messages are sent out by the MS-WSSREST proxy class.

Message consumption

The messages received from the SUT will be analyzed in the MS-WSSREST proxy class and passed upon to the MS-WSSREST adapter. Then these messages are consumed in the MS-WSSREST adapter to validate the message format and the logic-related requirements in the test cases.

SUT control adapter

The MS-WSSREST SUT control adapter is designed to remotely control the SUT to retrieve list information from the SUT.

### Adapter abstract layer

Protocol adapter

MS-WSSREST adapter interface

There are five methods declared in the MS-WSSREST adapter interface IMS\_WSSRESTAdapter.

* These methods correspond to the five MS-WSSREST operations: InsertListItem, UpdateListItem, RetrieveListItem, DeleteListItem and BatchRequests.

SUT control adapters

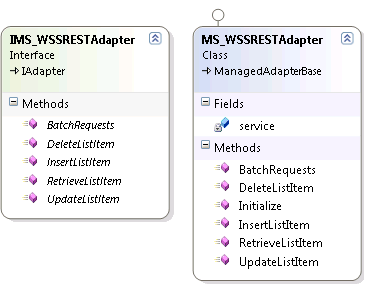
* MS-WSSREST SUT control adapter interface
* There are two methods declared in the MS-WSSREST SUT control adapter interface IMS-WSSRESTSUTControlAdapter.
* These two methods correspond to the two operations: GetDocumentLibraryContentTypeId, CheckFieldType.

### Adapter details

#### Protocol adapter

##### MS-WSSREST protocol adapter

The following figure shows the class diagram of the MS-WSSREST protocol adapter.

**

MS-WSSREST adapter class diagram

The following outlines the details of the class diagram:

Adapter interface

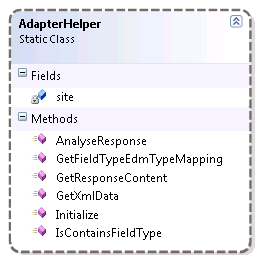
* IMS\_WSSRESTAdapter is the interface of the protocol adapter.
* IMS\_WSSRESTAdapter defines the methods invoked by test cases, including InsertListItem, UpdateListItem, RetrieveListItem, DeleteListItem and BatchRequests methods.

Adapter implementation

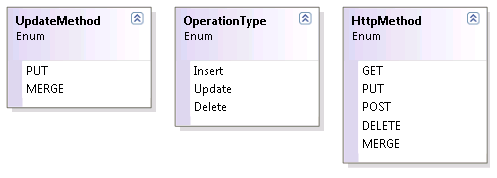
* MS\_WSSRESTAdapter is the protocol adapter class of the test suite. It is used to implement IMS\_WSSRESTAdapter.
* The Initialize method is used to initialize the MS-WSSREST test suite.

Other class

* The AdapterHelper class provides the methods of analysise response.



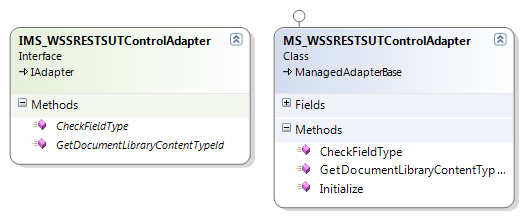
* Enumeration



* UpdateMethod is used to specify the HTTP method used in update operation.
* OperationType is used to specify the request of the corresponding opertion.
* HttpMethod is used to specify the method of the HTTP reqeust.

#### SUT control adapters

The following outlines the details of the class diagram:



MS-WSSREST SUT control adapter class diagram

The following outlines the details of the class diagram:

Adapter interface

* IMS\_WSSRESTSUTControlAdapter is the interface of MS\_WSSRESTSUTControlAdapter.
* IMS\_WSSRESTSUTControlAdapter defines the methods invoked by test cases, including GetDocumentLibraryContentTypeId and CheckFieldType methods.

Adapter implementation

* MS\_WSSRESTSUTControlAdapter is the MS-WSSREST SUT control adapter class of the test suite. It is used to implement IMS\_WSSRESTSUTControlAdapter.
* The Initialize method is used to initialize the MS-WSSREST SUT control adapter.
* The MS\_WSSRESTSUTControlAdapter is implemented by managed code. The implementation can be substituted by other implementation for the third party’s need.

## Test scenarios

Three scenarios are designed to cover the server-side, testable requirements in the MS-WSSREST test suite. The details of the scenarios are as follows:

|  |  |
| --- | --- |
| Scenario | Description |
| S01\_ManageListItem | Operate the operations of retrieve, insert, update and delete on List Item. |
| S02\_RetrieveCSDLDocument | Retrieve the conceptual schema definition language (CSDL) document. |
| S03\_BatchRequests | Implement multiple operations in a HTTP Request. |

MS-WSSREST scenario

### S01\_ManageListItem

Description

Operate the operations of retrieve, insert, update and delete on List Item.

Operations

* RetrieveListItems
* InsertNewListItem
* UpdateListItem
* DeleteListItem

Prerequisites

Create one list in an existing common site on the server.

Cleanup

Delete list items in the list from the server.

### S02\_RetrieveCSDLDocument

Description

Retrieve the conceptual schema definition language (CSDL) document.

Operations

RetrieveCSDLDocument

Prerequisites

Create seven list in an existing common site on the server.

Cleanup

None.

### S03\_BatchRequests

Description

This scenario is aimed to implement the multiple operations contained in one HTTP Request to insert, update and delete on list Item.

Operations

BatchRequests

Prerequisites

Create one list in an existing common site on the server.

Cleanup

Delete items in the list from recycle bin on the server.

## Test case design

### Traditional test case design

Traditional testing is adopted as the test approach for this test suite. The test cases are designed to cover the server-side and testable requirements.

There are 20 traditional test cases designed to cover the three scenarios mentioned in section [2.5 Test scenarios](#_Test_Scenarios). Details of the traditional test cases are specified in section [2.6.2 Test case description](#_Test_case_description). The scenarios distribution of the test cases are listed in the following table.

|  |  |
| --- | --- |
| Scenario ID | Test case name |
| S01\_ManageListItem | MSWSSREST\_S01\_TC01\_CreateAttachmentInListItem |
| MSWSSREST\_S01\_TC02\_RetrieveSingleChoice |
| MSWSSREST\_S01\_TC03\_RetrieveMultipleChoice |
| MSWSSREST\_S01\_TC04\_DeleteAttachmentFromListItem |
| MSWSSREST\_S01\_TC05\_InsertDocumentToDocumentLibrary |
| MSWSSREST\_S01\_TC06\_RetrieveACollectionOfListItems |
| MSWSSREST\_S01\_TC07\_RetrieveTheCountOfACollectionOfListItems |
| MSWSSREST\_S01\_TC08\_RetrieveACollectionOfEntitiesWithAnInlineCount |
| MSWSSREST\_S01\_TC09\_RetrieveTheFirstTwoListItemsInAList |
| MSWSSREST\_S01\_TC10\_RetrieveTheLastTwoListItemsInAList |
| MSWSSREST\_S01\_TC11\_RetrieveTheMiddleTwoListItemsInAList |
| MSWSSREST\_S01\_TC12\_RetrieveAListItemByID |
| MSWSSREST\_S01\_TC13\_RetrieveListItemsThatSatisfySpecifiedCriteria |
| MSWSSREST\_S01\_TC14\_RetrieveListItemsInASpecifiedOrder |
| MSWSSREST\_S01\_TC15\_InsertANewListItem |
| MSWSSREST\_S01\_TC16\_UpdateAListItemUsingReplaceBasedSemantics |
| MSWSSREST\_S01\_TC17\_UpdateAListItemUsingMergeBasedSemantics |
| MSWSSREST\_S01\_TC18\_DeleteAListItem |
| S02\_RetrieveCSDLDocument | MSWSSREST\_S02\_TC01\_RetrieveACSDLDocument |
| S03\_BatchRequests | MSWSSREST\_S03\_TC01\_BatchRequests |

Test case scenario distribution

### Test case description

The steps in the following test case use methods and parameters in the adapter interfaces directly.

The following tables describe the traditional test cases.

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC01\_CreateAttachmentInListItem |
| Description | This test case is used to create an attachment in list item. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item in list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve attachment count in list item before adding attachment. 3. The client calls the MS-WSSREST Adapter methods InsertListItem to add an attachment to the list item. 4. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve attachment count in list item after adding attachment. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC01\_CreateAttachmentInListItem

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC02\_RetrieveSingleChoice |
| Description | This test case is used to retrieve the value of single choice field. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item in list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the value of single choice field. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC02\_RetrieveSingleChoice

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC03\_RetrieveMultipleChoice |
| Description | This test case is used to retrieve the value of multiple choice field. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item in list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the value of multi-choice field. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC03\_RetrieveMultipleChoice

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC04\_DeleteAttachmentFromListItem |
| Description | This test case is used to delete an attachment from list item. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item in list. 2. The client calls the MS-WSSREST Adapter methods InsertListItem to add an attachment to the list item. 3. The client calls the MS-WSSREST Adapter method DeleteListItem to delete the attachment from the list item. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC04\_DeleteAttachmentFromListItem

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC05\_InsertDocumentToDocumentLibrary |
| Description | This test case is used to insert a new document into a document library. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve document count under document library before adding document . 2. The client calls the MS-WSSREST Adapter methods InsertListItem to insert a document into document library. 3. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve document count under document library after adding document . 4. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve document content type id under document library. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC05\_InsertDocumentToDocumentLibrary

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC06\_RetrieveACollectionOfListItems |
| Description | This test case is used to retrieve a collection of list items. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert two list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the added two list items. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC06\_RetrieveACollectionOfListItems

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC07\_RetrieveTheCountOfACollectionOfListItems |
| Description | This test case is used to retrieve the count of a collection of list items. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert two list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the count of added list items. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC07\_RetrieveTheCountOfACollectionOfListItems

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC08\_RetrieveACollectionOfEntitiesWithAnInlineCount |
| Description | This test case is used to retrieve a collection of entities with inline count. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert two list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve a collection of entities with inline count. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC08\_RetrieveACollectionOfEntitiesWithAnInlineCount

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC09\_RetrieveTheFirstTwoListItemsInAList |
| Description | This test case is used to retrieve the first two list items in a list. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert three list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the first two list items from list. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC09\_RetrieveTheFirstTwoListItemsInAList

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC10\_RetrieveTheLastTwoListItemsInAList |
| Description | This test case is used to retrieve the last two list items in a list. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert three list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the last two list items from list. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC10\_RetrieveTheLastTwoListItemsInAList

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC11\_RetrieveTheMiddleTwoListItemsInAList |
| Description | This test case is used to retrieve the middle two list items in a list. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert four list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the middle two list items from list. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC11\_RetrieveTheMiddleTwoListItemsInAList

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC12\_RetrieveAListItemByID |
| Description | This test case is used to retrieve a list item by id. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert a list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve a list item by id. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC12\_RetrieveAListItemByID

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC13\_RetrieveListItemsThatSatisfySpecifiedCriteria |
| Description | This test case is used to retrieve list items that satisfy the specified criteria. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert a list items into list with title1. 2. The client calls the MS-WSSREST Adapter methods InsertListItem to insert a list items into list with title2. 3. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the list item with title2. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC13\_RetrieveListItemsThatSatisfySpecifiedCriteria

|  |  |
| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC14\_RetrieveListItemsInASpecifiedOrder |
| Description | This test case is used to retrieve list items by id descending. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert two list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the list items by id descending order. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC14\_RetrieveListItemsInASpecifiedOrder

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| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC15\_InsertANewListItem |
| Description | This test case is used to insert a new list item into list. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter methods InsertListItem to insert a list item into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the added list item. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC15\_InsertANewListItem

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| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC16\_UpdateAListItemUsingReplaceBasedSemantics |
| Description | This test case is used to update a new list item using replace-based semantics. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the title of list item before update. 3. The client calls the MS-WSSREST Adapter method UpdateListItem to update the title of list item. 4. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the title of list item after update. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC16\_UpdateAListItemUsingReplaceBasedSemantics

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| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC17\_UpdateAListItemUsingMergeBasedSemantics |
| Description | This test case is used to update a new list item using merge-based semantics. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the title of list item before update. 3. The client calls the MS-WSSREST Adapter method UpdateListItem to update the title of list item. 4. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the title of list item after update. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC17\_UpdateAListItemUsingMergeBasedSemantics

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| --- | --- |
| S01\_ManageListItem | |
| Test case ID | MSWSSREST\_S01\_TC18\_DeleteAListItem |
| Description | This test case is used to delete a list item from list. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert a list item into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the added list item from list. |
| Cleanup | The client calls the method DeleteListItems to delete all the created list items under the lists named GeneralList and DocumentLibrary. |

MSWSSREST\_S01\_TC18\_DeleteAListItem

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| --- | --- |
| S02\_RetrieveCSDLDocument | |
| Test case ID | MSWSSREST\_S02\_TC01\_RetrieveACSDLDocument |
| Description | This test case is used to retrieve a CSDL document. |
| Prerequisites | N/A |
| Test execution steps | The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the CSDL document. |
| Cleanup | N/A |

MSWSSREST\_S02\_TC01\_RetrieveACSDLDocument

|  |  |
| --- | --- |
| S03\_BatchRequests | |
| Test case ID | MSWSSREST\_S03\_TC01\_BatchRequests |
| Description | This test case is used to implement the multiple operations contained in one HTTP Request to do the retrieving, inserting, updating and deleting on list Item. |
| Prerequisites | N/A |
| Test execution steps | 1. The client calls the MS-WSSREST Adapter method InsertListItem to insert two list items into list. 2. The client calls the MS-WSSREST Adapter method RetrieveListItem to retrieve the added list item from list. 3. The client calls the MS-WSSREST Adapter method BatchRequests for insert operation. 4. The client calls the MS-WSSREST Adapter method BatchRequests for update operation. 5. The client calls the MS-WSSREST Adapter method BatchRequests for delete operation. 6. The client calls the MS-WSSREST Adapter method DeleteListItem to delete the created list item under the list named GeneralList. |
| Cleanup | N/A |

MSWSSREST\_S03\_TC01\_BatchRequests