GET Request Testing				
Case No.	Test Description	Expected Result	Actual Result	Action Taken
1	Access /conv.php without any parameters.	1100 error in default format.	1100 error sent in default format (XML).	None.
2	Access /conv.php?format=json	1100 error in JSON format.	1100 error sent in JSON format.	None.
3	Access /conv.php?format=xml	1100 error in XML format.	1100 error sent in XML format.	None.
5	Access /conv.php with invalid format query string parameter value. Passed through text, jso, xm, xmla.	3000 error in default format for all possible cases.	3000 error sent in default format for all possible cases.	None.
6	Access /conv.php with ANY required parameters missing (tested on all possible cases).	1100 error in default format (if format is missing), or requested format (if set and valid) for all possible cases.	1100 error sent in correct format for all possible cases.	None.
7	Access /conv.php with valid parameter and an additional (invalid) parameter.	1200 error in requested format.	1200 error sent in requested format.	None.
8	Access /conv.php with all valid query string parameters present and valid, except the amount value.	1300 error in requested format.	1300 error sent in requested format.	None.
9	Access /conv.php with all valid query string parameters present and valid, except the from value is not an existing code in the XML file.	1000 error in requested format.	1000 error sent in requested format.	None.
10	Access /conv.php with all valid query string parameters present and valid.	Response in correct template and format.	Response sent in correct template and format.	None.

11	Access /conv.php with all valid query string parameters present with invalid characters to try and break the code (escape string test).	Correct error messages should be sent depending on what error is picked up first. The API should not break.	The API did not break and reported the first error found.	None.

XML File Testing (Against XSD)				
Case No.	Test Description	Expected Result	Actual Result	Action Taken
1	Remove timestamp element from xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
2	Insert invalid timestamp value in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
3	Add additional timestamp element in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
4	Remove code attribute from element in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
5	Remove rate attribute from element in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
6	Remove name attribute from element in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
7	Insert invalid code attribute value in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
8	Insert invalid rate attribute value in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
9	Insert invalid name attribute value in xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
10	Insert invalid location name value xml document.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.
11	Create element with duplicate code.	2500 or 1400 error (if GET) in requested format.	Correct error sent in requested format.	None.

| 12 | Make xml valid against schema rules. | XML should pass and the program will continue to run. | XML passes validation. | None. |

PUT Request Testing				
Case No.	Test Description	Expected Result	Actual Result	Action Taken
1	Leave all fields empty.	First error encountered in requested format.	First encountered error, 2100, sent in requested format.	None.
2	All fields valid other than rate.	2100 error in requested format.	2100 error sent in requested format.	None.
3	All fields valid other than code.	2200 error in requested format.	2200 error sent in requested format.	None.
4	All fields valid other than name.	2300 error in requested format.	2300 error sent in requested format.	None.
5	All fields valid with invalid location name.	2300 error in requested format.	2300 error sent in requested format.	None.
6	Test values that could be used to break the API (escape string testing).	Correct errors sent back.	Tested against all fields and correct error messages were sent back.	None.
7	All fields valid.	A new element should be created within the XML. Locations should be stripped of whitespace if spaces are entered before and after. An element with the same code will be overwritten.	Element created as expected. No duplicate codes able as they get overwritten.	None.

| 8 | Ensure all responses are retrieved in the selected format. | All possible responses sent in correct format for all format. | All possible responses available in JSON and XML format. | None. |

POST Request Testing				
Case No.	Test Description	Expected Result	Actual Result	Action Taken
1	Leave all fields empty.	First error encountered in requested format.	2100 error sent in requested format.	None.
2	All fields valid other than rate.	2100 error in requested format.	2100 error sent in requested format.	None.
3	All fields valid other than code (code non-existent in xml).	2400 error in requested format.	2400 error sent in requested format.	None.
4	Test values that could be used to break the API (escape string testing).	Correct error messages in correct format.	Correct error messages sent back in requested formats.	None.
5	All fields valid (code existing in xml).	Rate of the currency element updated and response in correct format.	Rates update as expected and response sent in requested format.	None.
6	Ensure all responses are retrieved in the selected format.	All possible responses sent in correct format for all format.	All possible responses available in JSON and XML format.	None.

DELETE Request Testing				
Case No.	Test Description	Expected Result	Actual Result	Action Taken
1	Leave all fields empty.	First error encountered in requested format.	2200 error sent in request format.	None.
3	Code field contains code not in xml.	2200 error in requested format.	2200 error sent in requested format.	None

4	Test values that could be used to break the API (escape string testing).	Correct error messages in correct format.	Correct error messages sent back in requested formats.	None.
5	All fields valid (code existing in xml).	Currency element with the corresponding code removed from the XML file.	Currency element with code deleted from XML file.	None.
6	Ensure all responses are retrieved in the selected format.	All possible responses sent in correct format for all format.	All possible responses available in JSON and XML format.	None.