

[illegible]

TEST CASE ID	TEST SCENARIO	TEST CASE	Linked to Requirement/ Acceptance Criteria	TEST STEPS	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
TC0001	Verify that the service can correctly process a collection containing a single string	Send a collection containing a single string	AC1	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7" }	Output: { "Ac9123KL@%cWw7" }		
TC0002	Verify that the service can correctly process a collection containing more than one strings	Send a collection containing two string	AC1	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7", "rTeKL@%cWw7", }	Output: { "Ac9123KL@%cWw7", "rTeKL@%cWw7", }		
TC0003	Verify that the service can correctly process a collection containing more than 9 strings	Send a collection containing 10 strings	AC1/AC3	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7", "rTeKL@%cWw7", "Ac9123KL@%cWd7", "rTeKL@%cWw7", "Ac9123KL@%crs7", "rTeKL@%c&w7", "Ac9123KL@%c*&", "rTeKL@%cY", "Ac9123KL@%c%F", "rTeKL@%7", }	Output: { "Ac9123KL@%cWw7", "rTeKL@%cWw7", "Ac9123KL@%cWd7", "rTeKL@%cWw7", "Ac9123KL@%crs7", "rTeKL@%c&w7", "Ac9123KL@%c*&", "rTeKL@%cY", "Ac9123KL@%c%F", "rTeKL@%7", }		
TC0004	Verify that the service can process strings that are more than 15 characters in length, and returns these strings as truncated to 15 characters in length	Send a collection containing strings that are greater than 15 characters in length	AC2	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7P6E[", "rTeKL@c[utfeJrsIW7" }	Output: { "Ac9123KL@%cWw7P", "rTeKL@c[utfeJrs" }		
TC0005	Verify that the service can process strings that are of a minimum length i.e. 1 character long	Send a collection containing strings that are 1 and 2 characters in length	AC2	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "A", "b", "1", "ε", "zz" }	Output: { "A", "b", "1", "ε", "zz" }		
TC0006	Verify that the service removes contiguous duplicate characters	Send a collection containing strings with contiguous duplicate characters	AC6	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection to send to Service:- { "AAcC99123KL@%cWWWw7P6E[", "rTTeekL@%cC[utfeJrsIW7" }	Output: { "AcC9123KL@%cWw7", "rTeKL@cC[utfeJr" }		
TC0007	Verify that the service removes dollar sign characters and replaces them with pound sign characters	Send a collection containing strings with dollar signs	AC7	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection to send to Service:- { "Ac\$123KL\$ScW\$E{253", "\$SS\$SS\$", "\$SE\$S" }	Output: { "Ac123KLEcWE{25", "£", "£" }		
TC0008	Verify that the service removes underscores characters	Send a collection containing strings with underscores	AC8	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection to send to Service:- { "Ac_\$12_3KL_cW\$E", "A-b_", "____" }	Output: { "Ac\$123KLcW\$E", "A-b" }		

TC0009	Verify that the service removes any number '4' characters	Send a collection containing strings containing the number '4'	AC9	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection to send to Service:- { "A4c9441243KL4@4%cWw7", "aB43214", "444444" }	Output: { "Ac9123KL@%cWw7", "aB321" }					
TC0010	Verify that the service processes empty string values correctly	Send a collection of 5 strings, with the string at index position 3 in the collection being an empty string	AC4	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7", "aB9123KL@%cWw9", "", "Gh9123KL&%cWw3", "Ok5tHfKL)%cWw1", }	Output: Contains 4 strings:- { "Ac9123KL@%cWw7", "aB9123KL@%cWw9", "Gh9123KL&%cWw3", "Ok5tHfKL)%cWw1", }					
TC0011	Verify that the service processes NULL values correctly	Send a collection of 5 strings, with the string at index position 3 in the collection being a NULL value	AC4	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL@%cWw7", "aB9123KL@%cWw9", NULL, "Gh9123KL&%cWw3", "Ok5tHfKL)%cWw1", }	Output: Contains 4 strings:- { "Ac9123KL@%cWw7", "aB9123KL@%cWw9", "Gh9123KL&%cWw3", "Ok5tHfKL)%cWw1", }					
TC0012	[EDGE CASE] Verify that the service can gracefully deal with sending strings containing double quotation marks	Send a collection of strings that contain double quotation marks	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9"12"3KL@%cWw7", ,,,,, "/"/"y"987"@5" }	Output: { "Ac9"12"3KL@%cW", ,,,,, "/"/"y"987"@5" }					
TC0013	[EDGE CASE] Verify that the service can gracefully deal with sending an empty collection	Send an empty collection#	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { } }	Output: { } } Possible payload would contain a message saying empty payload was sent					
TC0014	[EDGE CASE] Verify that the service can gracefully deal with sending strings containing curly brackets	Send a collection of strings that contain double quotation marks	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { {"12"3KL@%cwj"}, "{1}", "{}", "44{22}3" }	Output: { {"12"3KL@%cwj"}, "{1}", "{1}", "4{2}3" }					
TC0015	[EDGE CASE] Verify that the service can gracefully deal with a request containing NO collection payload object	Send a request to the service with no collection of strings payload	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	No payload	Output: Service MUST return a 40x error with a message stating request payload was missing					
TC0016	[EDGE CASE] Verify that the service can gracefully deal with a request containing missing commas and quotation marks	Send a malformed collection of strings payload to the service	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { 123tgf*&^, "986rfg" "123", ,, }	Output: Service MUST return a 40x error with a message stating request payload is malformed					
TC0017	[EDGE CASE] Verify that the service can handle stings with white spaces in them	Send a collection of strings that contain white spaces within them	N/A	1. Using Postman, send the payload object containing the collection of strings in the TEST DATA column cell to the 'String Collection Processing' service endpoint 2. Verify that the returned response body contains the collection of strings in the EXPECTED RESULT column cell	Input Collection of strings to send to Service:- { "Ac9123KL @%cW", "aB912 3KL@%", " Gh912KL&%w3", "Ok5tHfKL)% %", }	Output: { "Ac9123KL @%cW", "aB912 3KL@%", " Gh912KL&%w3", "Ok5tHfKL)% %", }					