**test plan**

introduction: the objective of this document is to test the functionality of the project.

the project API's function:

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| **action** | **API call** |
| Create a new message in server. | POST / AddMessage |
| should return list of messages with the application id. | GET /GetMessage?application\_id= |
| should return list of messages with that session id. | GET /GetMessage?a session\_id= |
| should return single message with the message id. | GET /GetMessage? message id \_id= |
| remove all messages with the application id. | DELETE/DeleteMessage?application\_id= |
| remove all messages with the session Id. | DELETE /DeleteMessage?session\_id= |
| remove single message with the message Id. | DELETE /DeleteMessage?message \_id= |

tets:

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| **Test Action Description** | **Test Action Category** | **Test Scenario Category** |
|  |  | **Basic positive tests (happy paths)** |
| All requests should return 2XX HTTP status code | Validate status code: | Execute API call with **valid required parameters**  **(post/Add message)** |
| Ensure action has been performed correctly in the system by: Performing appropriate GET request and inspecting response | Validate state: |  |
|  |  | **Positive + optional parameters** |
| 1. All requests should return 2XX HTTP status code  2. Returned status code is according to spec:  – 200 OK for GET and DELETE requests | Validate status code: | Execute API call with **valid required parameters**  (get/Getmessage  Delete/Deletemessage) |
| – filter: ensure the response is filtered on the specified value. | Validate payload: |  |
| – Performing appropriate GET request and inspecting response | Validate state: |  |
|  |  | **Negative testing – invalid input** |
| All requests should return 4XX HTTP status code | Validate status code: | Execute API calls with invalid input, e.g.:  – Missing required filter parameters in the url or filter parameters with empty values in GET or DELETE calls  – Missing mandatory fields or invalid values in POST calls |