## Test Plan

Purpose of Document: Create a test plan to validate the new system and its compatibility to an already existing product before deploying to production.

Objectives and Tasks: Perform QA activities on the API hosted at <https://reqres.in/> in the current sprint.

Tasks include acceptance criteria analysis, test case writing, test case execution, bug reporting and test report for current sprint items.

Scope: Test documentation and execution of all the user stories and sub-tasks that are part of the current sprint. All the requests made available by the API will be tested. Integration, Regression and Acceptance testing will be carried out.

Any user stories that are not part of the current sprint will be excluded.

Test Items: <https://reqres.in/>

References:

User Story ID’s for the current sprint

caresyntax – DW Team – Quality Assurance Engineer Assignment[23037].pdf

## Features to be tested

1. GET LIST USERS
2. GET SINGLE USER
3. GET SINGLE USER NOT FOUND
4. GET LIST <RESOURCE>
5. GET SINGLE <RESOURCE>
6. GET SINGLE <RESOURCE> NOT FOUND
7. POST CREATE
8. PUT UPDATE
9. PATCH UPDATE
10. DELETE
11. POST REGISTER SUCCESSFUL
12. POST REGISTER UNSUCCESSFUL
13. POST LOGIN SUCCESSFUL
14. POST LOGIN UNSUCCESSFUL
15. GET DELAYED RESPONSE

## Item Pass/Fail Criteria

Suspension Criteria: When no data is returned on all the requests mentioned in “Requests to be tested” section.

Resumption Criteria: When the problem that caused the suspension had been resolved, testing activities can be resumed.

Approval Criteria**:** An item will be considered as ‘Pass’ if it meets the ‘Expected Outcome’ defined in the corresponding test case.

## Approach

Integration Testing – Testing of modules that are interacting with the new API.

Regression Testing – Testing the current system. Target areas that can be affected by ripples.

Acceptance Testing – Testing in accordance with the acceptance criteria/test cases.

## Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. | Task | Dependency | Deliverable | Sprint Day |
| 1 | User Story Analysis |  |  | 1-2 |
| 2 | Write Test Cases | Task 1 | Test Cases | 3-5 |
| 3 | Execute Test Cases | Task 2 |  | 6-10 |
| 4 | Issue Reporting | Task 3 | Bug Report | 6-10 |
| 5 | Retest Fixes | Task 4 | Test Report | 6-10 |