API Test Plan for Reqres

Test Objectives:

* To verify the functionality of the https://reqres.in/
* To ensure that the API meets the requirements of the users
* To identify and report any defects in the API
* Get Test Run Report

Test Environment:

* Postman
* [https://reqres.in/api](https://reqres.in/api-docs/#/)

Test Scenarios:

* Get Resourse/Users
* Update Resourse/Users
* Delete Resourse/Users
* Register, Login, Logout

Test Cases:

1. GET Resourses
   1. Verify HTTP code 200
   2. Get actual content
2. GET Single Resourse
   1. Verify HTTP code 200
   2. Get needed response
3. GET Single Resourse (negative)
   1. Verify HTTP code 404
4. PUT Resourse
   1. Verify HTTP code 200
   2. Verify content
5. PATCH Resourse
   1. Verify HTTP code 200
   2. Verify content
6. DEL Resourse
   1. Verify HTTP code 204
7. GET User List
   1. Verify HTTP code 200
   2. Get actual content
8. GET User Page
   1. Verify HTTP code 200
   2. Get needed response
9. GET User Page (negative)
   1. HTTP code 200
   2. Get needed response
   3. Get empty data
10. GET Single User
    1. HTTP code 200
    2. Get needed response
11. GET Single User (negative)
    1. HTTP code 404
12. POST User
    1. HTTP code 201
    2. Get actual content
13. PUT User
    1. HTTP code 200
    2. Verify content
14. PATCH User
    1. HTTP code 200
    2. Verify content
15. DEL User
    1. HTTP code 204
16. POST Register
    1. HTTP code 200
    2. ID received
    3. Token received
17. POST Register (negative)
    1. HTTP code 400
    2. Error
18. POST Login
    1. HTTP code 200
    2. Token received
19. POST Login (negative)
    1. HTTP code 400
    2. Error
20. POST Logout
    1. HTTP code 200
    2. No response

Execution Steps:

1. Open Postman
2. Import the test collection from JSON
3. Run each test case or full collection
4. If all test cases pass, the API is working as expected. Otherwise, investigate the defects and fix them.