**Testing Plan**

4 endpoints need to be tested:

GET: Get single user: /api/users/2

POST: Create user: /api/users

PUT: Update user: /api/users/2

DELETE: Delete user: /api/users/2

**Test Objectives:**

Ensure the Reqres API endpoints for user management function correctly.

**Test Cases:**

**Pre-condition:**

Send a POST request to `/login` with valid credentials, retrieve *token*

Use a fixture to obtain and save the *token* for later use

**1. Get user**

Positive: Send GET request to ‘/api/users/{userID}’ with Bearer Token

Expected Result: Status code response 200. User details are returned successfully.

Negative: Send GET request to ‘/api/users/{userID}’ with a non-existing userId

Expected Result: Status code response 404 Not Found

Negative: Send GET request to ‘/api/users/{userID}’ with invalid userId

Expected Result: Status code response 404 Not Found

**2**. **Create user**

Positive: Send POST request to ‘/api/users’ with Bearer Token and valid body

Expected Result: Status code response 201. User are created successfully

Negative: Send POST request to ‘/api/users’ without name in request body

Expected Result: Status code response 400 Bad Request

Negative: Send POST request to ‘/api/users’ without job in request body

Expected Result: Status code response 400 Bad Request

Negative: Send POST request to ‘/api/users’ with empty request body

Expected Result: Status code response 400 Bad Request

*Because the mock API, many of them don’t really validate input — they just return 201 to simulate success*

**3. Update user**

Positive: Send PUT request to ‘/api/users/{userID}’ with Bearer Token

Expected Result: Status code response 200. User are updated successfully

Negative: Send PUT request to ‘/api/users/{userID}’ without invalid userID

Expected Result: Status code response 400 Bad Request

Negative: Send PUT request to ‘/api/users/{userID}’ without name

Expected Result: Status code response 400 Bad Request

Negative: Send PUT request to ‘/api/users/{userID}’ without job

Expected Result: Status code response 400 Bad Request

Negative: Send PUT request to ‘/api/users/{userID}’ with empty request body

Expected Result: Status code response 400 Bad Request

*Because the mock API, many of them don’t really validate input — they just return 200 to simulate success*

**4. Delete user**

Positive: Send DELETE request to ‘/api/users/{userID}’ with existing user

Expected Result: Status code response 204 No Content

Positive: Send DELETE request to ‘/api/users/{userID}’ with non-existing user

Expected Result: Status code response 204 No Content

Positive: Send DELETE request to ‘/api/users/{userID}’ with invalid user

Expected Result: Status code response 204 No Content

Positive: Send DELETE request to ‘/api/users/{userID}’ without userID

Expected Result: Status code response 204 No Content