Test Plan

1. Objective

   To ensure that the SauceDemo app functions correctly and reliably, delivering expected features and functionalities to users. Additionally, ensure that the application maintains high accessibility standards, providing a comfortable and intuitive user experience. Performance testing will be conducted to confirm acceptable application responsiveness and load times.

2. Scope

   This Test Plan covers the UI testings regarding the SauceDemo application accessed via https://www.saucedemo.com. And some API testing aroud the Pet Store

3. Testing Approach

   The test cases will be performed automated, focusing on the UI testing to ensure the correct and expected functionalities, accessibility, user experience and a good performance.

4. Test Environment

5. Test Cases
   UI
   - Login functionality
     - Successful login - valid credentials;
     - Unsuccessful login - blocked username and valid password;
     - Unsuccessful login - invalid username and valid password;
     - Unsuccessful login - valid username and invalid password;
     - Unsuccessful login - invalid username and invalid password;
     - Unsuccessful login - empty username to check the error message;
     - Unsuccessful login - empty password to check the error message.

   - Inventory page functionality
     - Check the Product label on inventory page;
     - Check the Product details on the inventory page
     - Verify the Filter application on the inventory page;
     - Verify the page redirection from Inventory page to Specific Product page.

   - Product page functionality
     - Check the Product label;
     - Check the Product details;
     - Check the Product Image;
     - Check the Add to cart button availability;
     - Check the Remove button availability.

   - Cart functionality
     - Check the functionality of the "Add to cart" button;

- Check the functionality of the "Remove" button;
- Check the functionality of the "Continue Shopping" button;
- Check the functionality of the "Checkout" button.

- Checkout functionality

- Logout functionality
    - Successful logout from the application;
    - Logout confirmation - logging out and go back to the previous page;
    - Logout - confirm the session termination.

API

In the API part, this test plan is covering the Pet API. For the Create, Read, Update and Delete operations.

1. Create Operation:
    Scenario 1: Create a new pet

Endpoint: /pet
    Method: POST
    Inputs:
    Pet details (name, category, photo URLs, tags)
    Expected Output:
    HTTP status code 200 (OK)
    Response body containing the created pet object with assigned ID
    Conditions:
    Ensure all required fields are provided (name, category)

2. Read Operation:
    Scenario 2: Get pet by ID

Endpoint: /pet/{petId}
    Method: GET
    Inputs:
    Pet ID
    Expected Output:
    HTTP status code 200 (OK)
    Response body containing details of the requested pet
    Conditions:
    Provide an existing pet ID

3. Update Operation:
    Scenario 3: Update an existing pet

Endpoint: /pet
    Method: PUT
    Inputs:

Updated pet details (ID, name, category, photo URLs, tags)
Expected Output:
HTTP status code 200 (OK)
Response body containing the updated pet object
Conditions:
Provide an existing pet ID and valid updated fields

4. Delete Operation:
Scenario 4: Delete a pet

Endpoint: /pet/{petId}
Method: DELETE
Inputs:
Pet ID
Expected Output:
HTTP status code 200 (OK)
Response body confirming the deletion
Conditions:
Provide an existing pet ID