Test Plan

Project Name: Sauce demo Automation Testing and manual testing

Objective: To ensure the functionality and reliability of the Saucedemo website through automated and manual testing.

1.1 Purpose of the Document

To ensure the functionality and reliability of the Sauce demo website through automated and manual testing.

1.2 Scope:

The test plan covers the following scenarios:

- Login
- Sorting the products
- Add products from landing page
- Remove product from landing page
- View cart products
- Fill Checkout form
- Canceling checkout
- Remove products from cart
- Checkout of empty cart
- Logout

2.1 Test Environment:

- Browser: Chrome, Firefox
- OS: Windows, macOS

2.2 Tools:

- Automation: Playwright
- Manual: Browser

3.1 Test Cases

1. Login

Objective: Verify that users can log in with valid credentials.

Steps:

1. Navigate to the login page.
2. Enter valid username and password.
3. Click the login button.

Expected Result: User is successfully logged in and redirected to the products page.

2. Sorting the Products

Objective: Verify that products can be sorted correctly.

Steps:

1. Log in to the account.
2. Select a sorting option from the dropdown (e.g., Price (low to high)).

Expected Result: Products are sorted according to the selected option.

3. Add Products from Landing Page

Objective: Verify that products can be added to the cart from the landing page.

Steps:

1. Log in to the account.
2. Click the "Add to cart" button for a product on the landing page.

Expected Result: The product is added to the cart.

4. Remove Product from Landing Page

Objective: Verify that products can be removed from the cart from the landing page.

Steps:

1. Log in to the account.
2. Add a product to the cart.
3. Click the "Remove" button for the product on the landing page.

Expected Result: The product is removed from the cart.

5. View Cart Products

Objective: Verify that users can view products in the cart.

Steps:

1. Log in to the account.
2. Add a product to the cart.
3. Click the cart icon.

Expected Result: The cart page displays the added products.

6. Fill Checkout Form

Objective: Verify that users can fill out the checkout form.

Steps:

1. Log in to the account.

2. Add a product to the cart.

3. Proceed to checkout.

4. Fill in the checkout form with valid data.

Expected Result: The checkout form is filled successfully.

7. Canceling Checkout

Objective: Verify that users can cancel the checkout process.

Steps:

1. Log in to the account.

2. Add a product to the cart.

3. Proceed to checkout.

4. Click the "Cancel" button.

Expected Result: The user is redirected back to the cart page.

8. Remove Products from Cart

Objective: Verify that users can remove products from the cart.

Steps:

1. Log in to the account.

2. Add a product to the cart.

3. View the cart.

4. Click the "Remove" button for a product in the cart.

Expected Result: The product is removed from the cart.

9. Checkout of Empty Cart

Objective: Verify that users cannot proceed to checkout with an empty cart.

Steps:

1. Log in to the account.

2. Ensure the cart is empty.

3. Attempt to proceed to checkout.

Expected Result: The user is prevented from proceeding to checkout with an empty cart.

10. Logout

Objective: Verify that users can log out successfully.

Steps:

1. Log in to the account.

2. Click the logout button.

Expected Result: The user is logged out and redirected to the login page.

These test cases can be automated using Playwright or executed manually as needed.