

Test Suite 1: User Login

Positive Test Cases

1. Test Case ID: TC-01

Description: Verify that the login page loads correctly.

Steps:

1. Open the login page "<https://www.saucedemo.com/>".

Expected Result: The login page should display fields for username and password, and "Login" button.

2. Test Case ID: TC-02

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

Steps:

1. Open the login page "<https://www.saucedemo.com/>".

2. Enter a valid username e.g., "standard_user".

3. Enter a valid password e.g., "secret_sauce".

4. Click the "Login" button.

Expected Result: The user should be redirected to the products page.

Negative Test Cases

1. Test Case ID: TC-03

Description: Verify that a user cannot log in with invalid credentials.

Steps:

1. Open the login page.

2. Enter an invalid username e.g., "wrong_user".

3. Enter an invalid password e.g., "wrong_password".

4. Click the "Login" button.

Expected Result: An error message should be displayed indicating Username and password do not match any user in this service.

2. Test Case ID: TC-04

Description: Verify that the login is unsuccessful with missing username.

Steps:

1. Open the login page.

2. Leave the username field empty.

3. Enter a valid password.

4. Click the "Login" button.

Expected Result: An error message should be displayed indicating that the username is required.

3. Test Case ID: TC-05

Description: Verify that the login is unsuccessful with a missing password.

Steps:

1. Open the login page.
2. Enter a valid username.
3. Leave the password field empty.
4. Click the "Login" button.

Expected Result: An error message should be displayed indicating that the password is required.

Test Suite 2: Product Page

Positive Test Cases

1. Test Case ID: TC-06

Description: Verify that products are displayed on the product page after a successful login.

Steps:

1. Log in with valid credentials.
2. Check the product page.

Expected Result: The product page should display a list of products.

2. Test Case ID: TC-07

Description: Verify that clicking on a product redirects to the product detail page.

Steps:

1. Log in with valid credentials.
2. Click on a product.

Expected Result: The user should be redirected to the product detail page.

Negative Test Cases

1. Test Case ID: TC-08

Description: Verify that no products are displayed if the product list is empty.

Steps:

1. Log in with valid credentials.
2. Simulate an empty product list e.g., through backend changes.

Expected Result: No products should be displayed, and a message indicating no products are available might be shown.

Test Suite 3: Cart Operations

Positive Test Cases

1. Test Case ID: TC-09

Description: Verify that adding a product to the cart works correctly.

Steps:

1. Log in with valid credentials.
2. Select a product and add it to the cart.

Expected Result: The product should appear in the cart.

2. Test Case ID: TC-10

Description: Verify that the user can proceed to checkout from the cart.

Steps:

1. Log in with valid credentials.
2. Add a product to the cart.
3. Navigate to the cart.
4. Click the "Checkout" button.

Expected Result: The user should be redirected to the checkout page.

Negative Test Cases

1. Test Case ID: TC-11

Description: Verify that attempting to proceed to checkout with an empty cart is handled correctly.

Steps:

1. Log in with valid credentials.
2. Ensure the cart is empty.
3. Click the "Checkout" button.

Expected Result: The user should receive a message indicating that the cart is empty or be prevented from proceeding.