**MINI – PROJECT**

**LoginPage Test Cases**

This section describes automated test scenarios for validating the **Login Page functionality** of the web application. These tests are written using Playwright and ensure the correctness of login behavior under various inputs.

**Test Case 1 – Login Page Title**

**Objective:** Verify the page title of the Login Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Confirm that the user is on the Login Page.
3. Validate that the title of the page is *"Login Page"*.

**Test Case 2 – Heading**

**Objective:** Verify the main heading of the Login Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Confirm that the user is on the Login Page.
3. Validate that the main heading is *"Login Page"*.

**Test Case 3 – Invalid Email ID**

**Objective:** Validate error handling when the email ID is in an invalid format.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Confirm that the user is on the Login Page.
3. Enter an invalid email: "Naveen".
4. Enter a valid password: "Naveen123".
5. Click the login button.
6. Verify that an error message for invalid email is displayed.

**Test Case 4 – Invalid Password**

**Objective:** Validate error message for incorrect password input.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Confirm that the user is on the Login Page.
3. Enter a valid email: "naveen@gmail.com".
4. Enter an invalid password: "naveen".
5. Click the login button.
6. Verify that an error message for invalid password is displayed.

**Test Case 5 – Valid Credentials**

**Objective:** Ensure the user can successfully log in with valid credentials.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Confirm that the user is on the Login Page.
3. Enter valid credentials:
   * Email: "naveen@gmail.com"
   * Password: "Naveen123"
4. Click the login button.
5. Verify redirection to the Home Page: http://127.0.0.1:5500/HomePage.html.

**Test Case 6 – Logout**

**Objective:** Verify the user is redirected back to the Login Page after logout.

**Steps:**

1. Navigate to http://127.0.0.1:5500/LoginPage.html.
2. Log in using valid credentials.
3. Ensure the user is taken to the Home Page.
4. Click the menu button.
5. Click the logout link.
6. Verify redirection back to the Login Page.

**HomePage Test Cases**

This section describes automated test scenarios for verifying the functionality of the **Home Page** of the web application. These tests ensure that page elements, navigation, and product listings behave as expected.

**Test Case 1 – Home Page Title**

**Objective:** Verify the title of the Home Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Verify the page title is "Home Page".

**Test Case 2 – Heading**

**Objective:** Validate that the correct heading appears on the Home Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Verify the main heading is "Welcome to the Home Page!".

**Test Case 3 – Profile Link**

**Objective:** Ensure that clicking the **Profile** link navigates to the profile page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Menu** button to open the sidebar.
4. Click the **Profile** link.
5. Verify that the URL changes to http://127.0.0.1:5500/profilePage.html.

**Test Case 4 – Cart Link**

**Objective:** Ensure that clicking the **Cart** link navigates to the cart page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Menu** button to open the sidebar.
4. Click the **Cart** link.
5. Verify that the URL changes to http://127.0.0.1:5500/cartPage.html.

**Test Case 5 – Logout Link**

**Objective:** Verify that the **Logout** link redirects the user to the login page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Menu** button to open the sidebar.
4. Click the **Logout** link.
5. Verify that the URL changes to http://127.0.0.1:5500/loginPage.html.

**Test Case 6 – Print All Products Title**

**Objective:** Print the titles of all products listed on the Home Page for verification.

**Steps:**

1. Navigate to http://127.0.0.1:5500/HomePage.html.
2. Confirm that the user is on the Home Page.
3. Extract and print the title of each product displayed on the page.

**ProfilePage Test Cases**

This section documents the test cases designed to verify the functionality of the **Profile Page** in the web application. These tests validate that the user can update their profile information correctly.

**Test Case 1 – Profile Page Title**

**Objective:** Verify the title of the Profile Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/profilePage.html.
2. Confirm that the user is on the Profile Page.
3. Verify that the page title is "Profile Page".

**Test Case 2 – Heading**

**Objective:** Ensure the correct heading appears on the Profile Page.

**Steps:**

1. Navigate to http://127.0.0.1:5500/profilePage.html.
2. Confirm that the user is on the Profile Page.
3. Verify the main heading is "Update Profile".

**Test Case 3 – Edit the Profile**

**Objective:** Test the ability to edit and submit profile details successfully.

**Steps:**

1. Navigate to http://127.0.0.1:5500/profilePage.html.
2. Confirm that the user is on the Profile Page.
3. Enter user details:
   * Name: "Naveen"
   * Age: 23
   * Mobile: 7094373317
   * Address: "358, Sukravarpet Street, Coimbatore-641001"
4. Click the **Submit** button to update the profile information.

**CartPage Test Cases**

This section details the test cases for validating various functionalities of the **Cart Page**. The test cases are designed to ensure that the user can add products to the cart, remove them, and navigate to the checkout page correctly.

**Test Case 1 – Cart Page Title**

**Objective:** Verify that the title of the Cart Page is displayed correctly.

**Steps:**

1. Navigate to the URL http://127.0.0.1:5500/cartPage.html.
2. Confirm that the user is on the Cart Page.
3. Verify that the page title is "Cart Page".

**Test Case 2 – Heading**

**Objective:** Ensure the correct heading appears on the Cart Page.

**Steps:**

1. Navigate to the URL http://127.0.0.1:5500/cartPage.html.
2. Confirm that the user is on the Cart Page.
3. Verify that the heading is "Your Cart".

**Test Case 3 – Add the Products to the Cart**

**Objective:** Test the functionality of adding products to the cart and verifying their presence in the cart.

**Steps:**

1. Navigate to the Home Page at http://127.0.0.1:5500/homePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Add to Cart** button on a product.
4. Click on the **Menu** button to open the navigation menu.
5. Click on the **Cart Link** to open the Cart Page.
6. Confirm that the user is redirected to the Cart Page.
7. Verify that the product added earlier is present in the cart.

**Test Case 4 – Remove the Products from the Cart**

**Objective:** Test the functionality of removing products from the cart.

**Steps:**

1. Navigate to the Home Page at http://127.0.0.1:5500/homePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Add to Cart** button on a product.
4. Click on the **Menu** button to open the navigation menu.
5. Click on the **Cart Link** to open the Cart Page.
6. Confirm that the user is redirected to the Cart Page.
7. Verify that the product added earlier is present in the cart.
8. Click the **Remove from Cart** button next to the product.
9. Confirm that the product is successfully removed from the cart.

**Test Case 5 – Checkout Link**

**Objective:** Verify that the user can successfully navigate to the Checkout Page.

**Steps:**

1. Navigate to the Home Page at http://127.0.0.1:5500/homePage.html.
2. Confirm that the user is on the Home Page.
3. Click the **Add to Cart** button on a product.
4. Click on the **Menu** button to open the navigation menu.
5. Click on the **Cart Link** to open the Cart Page.
6. Confirm that the user is redirected to the Cart Page.
7. Verify that the product added earlier is present in the cart.
8. Click the **Checkout Button**.
9. Verify that the user is redirected to the checkoutPage.html.