

Testing Scope

Features/Pages to be Tested:

The following user journeys and related pages of the e-commerce website will be tested through automated UI testing using **Selenium WebDriver**:

1. User Login

- Navigate to the login page.
- Enter valid credentials.
- Verify successful login with proper redirection or confirmation.

2. Product Search and Add to Cart

- Search for a specific product using the website's search functionality.
- Verify that search results are displayed correctly.
- Add the selected product to the shopping cart.
- Assert that the cart counter updates and the correct item is added.

3. Shopping Cart and Checkout Flow

- Open the shopping cart page.
- Verify that the correct product and details (name, quantity, price) are displayed.
- Proceed to checkout.
- Enter dummy user information for checkout.
- Confirm that the checkout process navigates to the expected page/state.

4. Test Data Handling and Assertions

- Manage and use test data such as usernames, passwords, and product details.
- Include assertions in scripts to verify application state (e.g., successful login, correct item in cart, updated cart counter).

5. Framework and Maintainability

- Refactor scripts using the **Page Object Model (POM)** to improve readability and reusability.
- Organize tests into a suite that can be executed in one run.