**Test cases for e commerce website**

1. Input: Valid email and password

Expected output: User should be able to login successfully and be redirected to the homepage.

1. Input: Provide email address and password with varying cases

Expected Outcome: Login should occur within a reasonable time, indicating good performance.

1. Input: Attempt login with valid credentials

Expected Outcome: Login should occur, and user should land on homepage.

1. Input: Enter a valid search term (e.g., "laptop", "book", "shoes")

Expected Outcome: Relevant search results related to the entered term should be displayed.

1. Input: Apply filters such as category, price range, brand, etc., and perform a search.

Expected Outcome: Search results should be filtered based on the applied filters.

1. Input: Enter a partial search term and observe the search suggestions dropdown.

Expected Outcome: Search suggestions should be displayed based on the entered partial term.

1. Input: Click on the "Add to Cart" button for a single item.

Expected Outcome: The item should be added to the cart, and the cart icon should display the updated quantity.

1. Input: Click on the cart icon to view the items in the cart.

Expected Outcome: The cart page should display all the items added, along with their details (name, price, quantity).

1. Input: Proceed to checkout from the cart page.

Expected Outcome: Users should be able to proceed through the checkout process smoothly without issues.

**Instructions to run the project**

1)User should install the node js in the system.

2)User should install the playwright

3) Open the folder in vs code. Go to file and open folder and open the folder which has been created before.

4) Go to terminal and run command – **npm init playwright@latest.**

5) Once user runs the above command then terminal will ask below questions:

Do you want to use typescript or JavaScript: Java Script

Where to put your end-to-end test: Test

Add a GitHub Actions workflow: False.

6) Once installation is done, it will create a test folder which we gave earlier. In test folder we will have all the tests file.

7) To run the testcase, command – **npx playwright test --workers 1 –headed**

**To see the test result**

There is the separate test result folder to watch out the test result and report.

Also through playwright user can give command as **npx playwright show-report.**