

Detailed Test Cases

User Registration

1. Register User

- **Objective:** Verify that a new user can register successfully.
- **Steps:**
 1. Navigate to the registration page.
 2. Enter valid user details (name, email, password).
 3. Submit the registration form.
- **Expected Result:** User is registered and redirected to the welcome page.

2. Register User with Existing Email

- **Objective:** Verify that registration fails if the email is already in use.
- **Steps:**
 1. Navigate to the registration page.
 2. Enter details with an email already registered.
 3. Submit the registration form.
- **Expected Result:** Error message indicating the email is already in use.

3. Register User with Invalid Email Format

- **Objective:** Verify that registration fails with an invalid email format.
- **Steps:**
 1. Navigate to the registration page.
 2. Enter details with an invalid email format.
 3. Submit the registration form.
- **Expected Result:** Error message indicating the email format is invalid.

User Login

4. Login User with Correct Email and Password

- **Objective:** Verify that a user can log in with valid credentials.
- **Steps:**
 1. Navigate to the login page.
 2. Enter valid email and password.
 3. Submit the login form.
- **Expected Result:** User is logged in and redirected to the dashboard.

5. Login User with Incorrect Email and Password

- **Objective:** Verify that login fails with incorrect credentials.
- **Steps:**
 1. Navigate to the login page.
 2. Enter incorrect email and password.
 3. Submit the login form.
- **Expected Result:** Error message indicating invalid credentials.

6. Login User with Empty Fields

- **Objective:** Verify that login fails if fields are left empty.
- **Steps:**
 1. Navigate to the login page.
 2. Leave email and password fields empty.
 3. Submit the login form.

- **Expected Result:** Error message indicating that fields cannot be empty.

Product Management

7. Search Product

- **Objective:** Verify that users can search for products.
- **Steps:**
 1. Navigate to the search bar.
 2. Enter a product name.
 3. Submit the search query.
- **Expected Result:** Relevant products are displayed.

8. Add Products to Cart

- **Objective:** Verify that users can add products to their cart.
- **Steps:**
 1. Navigate to a product page.
 2. Click on "Add to Cart".
- **Expected Result:** Product is added to the cart.

9. Verify All Products and Product Detail Page

- **Objective:** Verify that all products and their details are displayed correctly.
- **Steps:**
 1. Navigate to the product listing page.
 2. Click on a product to view its details.
- **Expected Result:** Product details are displayed correctly.

10. Remove Products from Cart

- **Objective:** Verify that users can remove products from their cart.
- **Steps:**
 1. Navigate to the cart.
 2. Click on "x" for a product.
- **Expected Result:** Product is removed from the cart.

Checkout Process

11. Place Order: Register while Checkout

- **Objective:** Verify that users can register during the checkout process.
- **Steps:**
 1. Add products to the cart.
 2. Proceed to checkout.
 3. Register as a new user during checkout.
- **Expected Result:** User is registered and order is placed successfully.

12. Place Order: Login before Checkout

- **Objective:** Verify that users can log in before placing an order.
- **Steps:**
 1. Add products to the cart.
 2. Proceed to checkout.
 3. Log in with existing credentials.
- **Expected Result:** User is logged in and order is placed successfully.

13. Verify Address Details in Checkout Page

- **Objective:** Verify that address details are correctly displayed during checkout.
- **Steps:**
 1. Add products to the cart.
 2. Proceed to checkout.
 3. Verify address details.
- **Expected Result:** Address details are displayed correctly.

Additional Functionalities

14. Verify Subscription in Homepage

- **Objective:** Verify that users can subscribe to newsletters from the homepage.
- **Steps:**
 1. Navigate to the homepage.
 2. Enter email in the subscription field.
 3. Submit the subscription form.
- **Expected Result:** Subscription confirmation message is displayed.

15. Contact Us Form

- **Objective:** Verify that users can submit inquiries through the contact form.
- **Steps:**
 1. Navigate to the "Contact Us" page.
 2. Fill in the contact form.
 3. Submit the form.
- **Expected Result:** Confirmation message is displayed.

16. Download Invoice after Purchase Order

- **Objective:** Verify that users can download invoices after placing an order.
- **Steps:**
 1. Place an order.
 2. Navigate to the order history.
 3. Click on "Download Invoice".
- **Expected Result:** Invoice is downloaded successfully.