1. Verify successful login:

- Enter valid username and password.

- Click the "Login" button.

- Assert that the user is logged in and redirected to the inventory page.

2. Verify unsuccessful login with invalid credentials:

- Enter an invalid username and password combination.

- Click the "Login" button.

- Assert that an error message is displayed indicating the login failure.

3. Verify sorting functionality on the inventory page:

- Log in with valid credentials.

- Select a sorting option from the dropdown (e.g., "Name (Z to A)").

- Assert that the products are displayed in the expected sorted order.

4. Verify adding items to the shopping cart:

- Log in with valid credentials.

- Select one or more products to add to the cart.

- Click the "Add to Cart" button for each selected product.

- Assert that the cart icon shows the correct number of items.

5. Verify removing items from the shopping cart:

- Log in with valid credentials.

- Add one or more products to the cart.

- Navigate to the cart page.

- Remove a product from the cart.

- Assert that the product is no longer displayed in the cart.

6. Verify successful checkout process:

- Log in with valid credentials.

- Add one or more products to the cart.

- Navigate to the cart page.

- Click the "Checkout" button.

- Enter the required shipping information.

- Click the "Continue" button.

- Enter the payment details.

- Click the "Finish" button.

- Assert that the order is successfully placed and a confirmation message is displayed.

7. Verify logout functionality:

- Log in with valid credentials.

- Click the menu icon.

- Click the "Logout" button.

- Assert that the user is logged out and redirected to the login page.

8. Verify product details:

- Log in with valid credentials.

- Select a product from the inventory page.

- Click on the product to view its details.

- Assert that the product details (name, price, description, etc.) are displayed correctly.

9. Verify filtering functionality:

- Log in with valid credentials.

- Apply a filter (e.g., "Price: Low to High") on the inventory page.

- Assert that the products are displayed in the expected filtered order.

10. Verify search functionality:

- Log in with valid credentials.

- Enter a specific product name in the search field.

- Press Enter or click the search button.

- Assert that the search results display the expected product(s).

11. Verify error handling on checkout process:

- Log in with valid credentials.

- Add one or more products to the cart.

- Navigate to the cart page.

- Click the "Checkout" button.

- Enter invalid or incomplete shipping information.

- Assert that appropriate error messages are displayed for the invalid fields.

12. Verify navigation to different pages:

- Log in with valid credentials.

- Click on various links and buttons to navigate between different pages (e.g., inventory, cart, about, contact).

- Assert that the expected page is loaded with the correct content.

13. Verify accessibility compliance:

- Perform accessibility testing using Cypress accessibility plugins or tools.

- Assert that the website meets the required accessibility standards (e.g., WCAG 2.1 guidelines) for users with disabilities.

14. Verify responsiveness on different devices:

- Use Cypress viewport commands to simulate different device resolutions (e.g., mobile, tablet, desktop).

- Assert that the website layout and content adjust correctly based on the viewport size.

15. Verify handling of edge cases:

- Test scenarios such as logging in with an empty username or password, entering extremely long input values, special characters, etc.

- Assert that appropriate error messages or validation checks are in place.