Automated Tests - SauceLabs Demo

# Automated Test Cases

Below are five prioritized automated test cases targeting critical functionalities which will help in automating regression & saving manual efforts.

## Test Case 1: Valid Login

**Scenario:** Test that a user can successfully log in with valid credentials.  
**Steps:**

1. Navigate to login page  
2. Enter valid username  
3. Enter valid password  
4. Click login  
5. Verify redirection to inventory page

**Rationale:** Login is a primary entry point; automating this validates that users can access the application.

## Test Case 2: Invalid Login (Error Handling)

**Scenario:** Test that an error message appears for invalid login attempts.  
**Steps:**

1. Navigate to login page  
2. Enter invalid username/password  
3. Click login  
4. Verify error message displayed

**Rationale:** Ensures that error handling for invalid inputs is functional and informative.

## Test Case 3: Add Product to Cart

**Scenario:** Validate that a user can add a product to the cart.  
**Steps:**

1. Navigate to inventory page  
2. Select a product  
3. Click 'Add to cart'  
4. Verify item count on cart icon

**Rationale:** Critical for user purchase flow; confirms item addition functionality.

## Test Case 4: Product Sorting

**Scenario:** Ensure products sort correctly by price (e.g., high to low).  
**Steps:**

1. Navigate to inventory page  
2. Select 'Sort by price (Low to High)' or 'Sort by price (High to Low)'  
3. Verify products are sorted accordingly

**Rationale:** Confirms sorting functionality, which improves user experience for product browsing.

## Test Case 5: Checkout Process

**Scenario:** Verify the complete checkout process.  
**Steps:**

1. Add item to cart  
2. Proceed to checkout  
3. Enter required details  
4. Confirm order  
5. Verify order completion

**Rationale:** Validates the primary e-commerce flow, ensuring users can complete purchases successfully.

## Automated scenarios are checked out in GitHub:

<https://github.com/jagannath-rangarajan-uk/SauceLabs-jagannath-rangarajan-automation/tree/8e9acfcf967797f3d1b67489e2d5a9680d8e6f5f/SauceLabs-Jagannath-Rangarajan-UK>