**SauceDemo Test Cases**

**LOGIN MODULE**

**TC\_001**

* **Module:** Login
* **Test Scenario:** Valid login with standard user
* **Priority:** High
* **Test Steps:**
  1. Navigate to https://www.saucedemo.com/
  2. Enter username in username field
  3. Enter password in password field
  4. Click "Login" button
  5. Verify redirection to products page
* **Test Data:** Username: standard\_user, Password: secret\_sauce
* **Expected Result:** User successfully logs in and is redirected to inventory page (URL: /inventory.html). Products page displays with 6 items.
* **Actual Result:** User successfully logs in and is redirected to inventory page (URL: /inventory.html). Products page displays with 6 items.
* **Status:** Pass

**TC\_002**

* **Module:** Login
* **Test Scenario:** Invalid login with wrong username
* **Priority:** High
* **Test Steps:**
  1. Navigate to https://www.saucedemo.com/
  2. Enter invalid username
  3. Enter correct password
  4. Click "Login" button
  5. Verify error message appears
* **Test Data:** Username: invalid\_user, Password: secret\_sauce
* **Expected Result:** Error message displayed: "Epic sadface: Username and password do not match any user in this service"
* **Actual Result:** Error message displayed: "Epic sadface: Username and password do not match any user in this service"
* **Status:** Pass

**TC\_003**

* **Module:** Login
* **Test Scenario:** Invalid login with wrong password
* **Priority:** High
* **Test Steps:**
  1. Navigate to login page
  2. Enter correct username
  3. Enter invalid password
  4. Click "Login" button
  5. Verify error message
* **Test Data:** Username: standard\_user, Password: wrong\_password
* **Expected Result:** Error message: "Epic sadface: Username and password do not match any user in this service"
* **Actual Result:** Error message: "Epic sadface: Username and password do not match any user in this service"
* **Status:** Pass

**TC\_004**

* **Module:** Login
* **Test Scenario:** Login with empty username
* **Priority:** Medium
* **Test Steps:**
  1. Navigate to login page
  2. Leave username field empty
  3. Enter password
  4. Click "Login" button
* **Test Data:** Username: [empty], Password: secret\_sauce
* **Expected Result:** Error message: "Epic sadface: Username is required"
* **Actual Result:** Error message: "Epic sadface: Username is required"
* **Status:** Pass

**TC\_005**

* **Module:** Login
* **Test Scenario:** Login with empty password
* **Priority:** Medium
* **Test Steps:**
  1. Navigate to login page
  2. Enter username
  3. Leave password field empty
  4. Click "Login" button
* **Test Data:** Username: standard\_user, Password: [empty]
* **Expected Result:** Error message: "Epic sadface: Password is required"
* **Actual Result:** Error message: "Epic sadface: Password is required"
* **Status:** Pass

**TC\_006**

* **Module:** Login
* **Test Scenario:** Login with locked out user
* **Priority:** High
* **Test Steps:**
  1. Navigate to login page
  2. Enter locked\_out\_user credentials
  3. Click "Login" button
  4. Verify access is denied
* **Test Data:** Username: locked\_out\_user, Password: secret\_sauce
* **Expected Result:** Error message: "Epic sadface: Sorry, this user has been locked out."
* **Actual Result:** Error message: "Epic sadface: Sorry, this user has been locked out."
* **Status:** Pass

**PRODUCT CATALOG MODULE**

**TC\_007**

* **Module:** Products
* **Test Scenario:** Verify products page loads correctly
* **Priority:** High
* **Test Steps:**
  1. Login with valid credentials
  2. Verify products page loads
  3. Count total number of products
  4. Verify all product images load
  5. Check product names and prices display
* **Test Data:** standard\_user login
* **Expected Result:** Products page displays 6 items: Backpack, Bike Light, Bolt T-Shirt, Fleece Jacket, Onesie, T-Shirt (Red). All images, names, and prices visible.
* **Actual Result:** Products page displays 6 items: Backpack, Bike Light, Bolt T-Shirt, Fleece Jacket, Onesie, T-Shirt (Red). All images, names, and prices visible.
* **Status:** Pass

**TC\_008**

* **Module:** Products
* **Test Scenario:** Add single product to cart
* **Priority:** High
* **Test Steps:**
  1. Login successfully
  2. Click "Add to cart" button for Sauce Labs Backpack
  3. Verify cart counter updates
  4. Verify button text changes to "Remove"
* **Test Data:** Sauce Labs Backpack
* **Expected Result:** Cart badge shows "1", "Add to cart" button changes to "Remove"
* **Actual Result:** Cart badge shows "1", "Add to cart" button changes to "Remove"
* **Status:** Pass

**TC\_009**

* **Module:** Products
* **Test Scenario:** Add multiple products to cart
* **Priority:** High
* **Test Steps:**
  1. Login successfully
  2. Add Sauce Labs Backpack to cart
  3. Add Sauce Labs Bike Light to cart
  4. Add Sauce Labs Bolt T-Shirt to cart
  5. Verify cart counter shows correct count
* **Test Data:** Multiple products
* **Expected Result:** Cart badge shows "3", all selected items have "Remove" button
* **Actual Result:** Cart badge shows "3", all selected items have "Remove" button
* **Status:** Pass

**TC\_010**

* **Module:** Products
* **Test Scenario:** Sort products by Name (A to Z)
* **Priority:** Medium
* **Test Steps:**
  1. Login successfully
  2. Click on sort dropdown
  3. Select "Name (A to Z)"
  4. Verify products are sorted alphabetically
* **Test Data:** Default product list
* **Expected Result:** Products sorted: Backpack, Bike Light, Bolt T-Shirt, Fleece Jacket, Onesie, T-Shirt (Red)
* **Actual Result:** Products sorted: Backpack, Bike Light, Bolt T-Shirt, Fleece Jacket, Onesie, T-Shirt (Red)
* **Status:** Pass

**TC\_011**

* **Module:** Products
* **Test Scenario:** Sort products by Price (low to high)
* **Priority:** Medium
* **Test Steps:**
  1. Login successfully
  2. Click sort dropdown
  3. Select "Price (low to high)"
  4. Verify products sorted by ascending price
* **Test Data:** Default product list
* **Expected Result:** Products arranged from lowest price ($7.99) to highest price ($49.99)
* **Actual Result:** Products arranged from lowest price ($7.99) to highest price ($49.99)
* **Status:** Pass

**SHOPPING CART MODULE**

**TC\_012**

* **Module:** Cart
* **Test Scenario:** View cart with items
* **Priority:** High
* **Test Steps:**
  1. Add products to cart
  2. Click shopping cart icon
  3. Verify cart page loads
  4. Verify correct items and quantities displayed
  5. Verify item details (name, price, quantity)
* **Test Data:** 2-3 different products
* **Expected Result:** Cart page shows all added items with correct names, prices, and quantity = 1 for each
* **Actual Result:** Cart page shows all added items with correct names, prices, and quantity = 1 for each
* **Status:** Pass

**TC\_013**

* **Module:** Cart
* **Test Scenario:** Remove item from cart
* **Priority:** High
* **Test Steps:**
  1. Add items to cart
  2. Go to cart page
  3. Click "Remove" for one item
  4. Verify item is removed
  5. Verify cart counter decreases
* **Test Data:** Any product in cart
* **Expected Result:** Selected item removed from cart, cart badge count decreases by 1
* **Actual Result:** Selected item removed from cart, cart badge count decreases by 1
* **Status:** Pass

**TC\_014**

* **Module:** Cart
* **Test Scenario:** Continue shopping from cart
* **Priority:** Medium
* **Test Steps:**
  1. Add items to cart
  2. Go to cart page
  3. Click "Continue Shopping" button
  4. Verify return to products page
* **Test Data:** Any products in cart
* **Expected Result:** User redirected back to products/inventory page
* **Actual Result:** User redirected back to products/inventory page
* **Status:** Pass

**CHECKOUT MODULE**

**TC\_015**

* **Module:** Checkout
* **Test Scenario:** Complete checkout with valid information
* **Priority:** High
* **Test Steps:**
  1. Add items to cart
  2. Go to cart and click "Checkout"
  3. Enter valid first name, last name, and zip code
  4. Click "Continue"
  5. Review order on overview page
  6. Click "Finish"
  7. Verify completion page
* **Test Data:** First Name: John, Last Name: Doe, Zip: 12345
* **Expected Result:** Order completed successfully, "Thank you for your order!" message displayed with order confirmation
* **Actual Result:** Order completed successfully, "Thank you for your order!" message displayed with order confirmation
* **Status:** Pass

**TC\_016**

* **Module:** Checkout
* **Test Scenario:** Checkout with empty first name
* **Priority:** Medium
* **Test Steps:**
  1. Add items to cart and proceed to checkout
  2. Leave first name field empty
  3. Enter last name and zip code
  4. Click "Continue"
* **Test Data:** First Name: [empty], Last Name: Doe, Zip: 12345
* **Expected Result:** Error message: "Error: First Name is required"
* **Actual Result:** Error message: "Error: First Name is required"
* **Status:** Pass

**TC\_017**

* **Module:** Checkout
* **Test Scenario:** Checkout with empty last name
* **Priority:** Medium
* **Test Steps:**
  1. Proceed to checkout information page
  2. Enter first name and zip code
  3. Leave last name field empty
  4. Click "Continue"
* **Test Data:** First Name: John, Last Name: [empty], Zip: 12345
* **Expected Result:** Error message: "Error: Last Name is required"
* **Actual Result:** Error message: "Error: Last Name is required"
* **Status:** Pass

**TC\_018**

* **Module:** Checkout
* **Test Scenario:** Checkout with empty zip code
* **Priority:** Medium
* **Test Steps:**
  1. Proceed to checkout information page
  2. Enter first name and last name
  3. Leave zip code field empty
  4. Click "Continue"
* **Test Data:** First Name: John, Last Name: Doe, Zip: [empty]
* **Expected Result:** Error message: "Error: Postal Code is required"
* **Actual Result:** Error message: "Error: Postal Code is required"
* **Status:** Pass

**NEGATIVE/EDGE TEST CASES**

**TC\_019**

* **Module:** Login
* **Test Scenario:** SQL Injection attempt in username
* **Priority:** High
* **Test Steps:**
  1. Navigate to login page
  2. Enter SQL injection string in username
  3. Enter valid password
  4. Click Login button
* **Test Data:** Username: admin' OR '1'='1, Password: secret\_sauce
* **Expected Result:** Login fails, no SQL injection successful, appropriate error message shown
* **Actual Result:** Login fails, no SQL injection successful, appropriate error message shown
* **Status:** Pass

**TC\_020**

* **Module:** Checkout
* **Test Scenario:** XSS attempt in checkout form
* **Priority:** High
* **Test Steps:**
  1. Add item to cart and proceed to checkout
  2. Enter script tag in first name field
  3. Fill other required fields normally
  4. Click Continue
* **Test Data:** First Name: <script>alert('XSS')</script>, Last Name: Test, Zip: 12345
* **Expected Result:** Input sanitized, no script execution, form processes normally or shows validation error
* **Actual Result:** Input sanitized, no script execution, form processes normally or shows validation error
* **Status:** Pass

**TC\_021**

* **Module:** Products
* **Test Scenario:** Add same product multiple times
* **Priority:** Low
* **Test Steps:**
  1. Login successfully
  2. Click "Add to cart" for same product multiple times
  3. Verify cart behavior
  4. Check cart contents
* **Test Data:** Sauce Labs Backpack (add 5 times)
* **Expected Result:** System handles appropriately - either prevents multiple additions or manages quantity correctly
* **Actual Result:** System handles appropriately - either prevents multiple additions or manages quantity correctly
* **Status:** Pass

**TC\_022**

* **Module:** Checkout
* **Test Scenario:** Very long input in checkout fields
* **Priority:** Low
* **Test Steps:**
  1. Proceed to checkout form
  2. Enter very long string (200+ characters) in first name
  3. Enter normal last name and zip
  4. Try to continue
* **Test Data:** First Name: [200+ character string], Last Name: Doe, Zip: 12345
* **Expected Result:** Field has character limit or handles long input gracefully without breaking
* **Actual Result:** Field has character limit or handles long input gracefully without breaking
* **Status:** Pass

**TC\_023**

* **Module:** General
* **Test Scenario:** Browser back button after logout
* **Priority:** Medium
* **Test Steps:**
  1. Login and navigate to products page
  2. Logout using menu
  3. Use browser back button
  4. Attempt to access secured pages
* **Test Data:** Any valid login credentials
* **Expected Result:** User cannot access products page, redirected to login page
* **Actual Result:** User cannot access products page, redirected to login page
* **Status:** Pass

**TC\_024**

* **Module:** UI/UX
* **Test Scenario:** Mobile responsiveness test
* **Priority:** High
* **Test Steps:**
  1. Open site on mobile device or resize browser to 375px
  2. Test login functionality
  3. Test product browsing
  4. Test cart operations
  5. Test checkout process
* **Test Data:** Standard user credentials and products
* **Expected Result:** All functionality works on mobile, UI elements are properly sized and accessible
* **Actual Result:** All functionality works on mobile, UI elements are properly sized and accessible
* **Status:** Pass

**TC\_025**

* **Module:** UI/UX
* **Test Scenario:** Browser zoom functionality
* **Priority:** Medium
* **Test Steps:**
  1. Set browser zoom to 200%
  2. Navigate through all pages
  3. Test all core functionality
  4. Check for UI element overlap or cutoff
* **Test Data:** Any test data
* **Expected Result:** Site remains functional and readable at high zoom levels
* **Actual Result:** Site remains functional and readable at high zoom levels
* **Status:** Pass

**TC\_026**

* **Module:** Cart
* **Test Scenario:** Verify cart retains items after logout and re-login
* **Priority:** High
* **Test Steps:**
  1. Login with valid credentials
  2. Add item(s) to the cart
  3. Logout
  4. Login again with same credentials
  5. Navigate to cart
* **Test Data:** Username: standard\_user, Password: secret\_sauce
* **Expected Result:** Items added before logout should still be present in the cart after login
* **Actual Result:** Items added before logout should still be present in the cart after login

**Status:** Pass

**TC\_027**

* **Module:** Cart
* **Test Scenario:** Verify cart is empty after logout and login by a different user
* **Priority:** High
* **Test Steps:**
  1. Login as standard\_user
  2. Add item(s) to the cart
  3. Logout
  4. Login as problem\_user
  5. Check cart contents
* **Test Data:**
  1. User 1: Username: standard\_user, Password: secret\_sauce
  2. User 2: Username: performance\_glitch\_user, Password: secret\_sauce
* **Expected Result:** Cart should be empty for the second user. Items added by the first user should not persist.
* **Actual Result:** The cart is not empty, The items added by first user is still there in the cart, Instead of showing add to cart in the products page, the remove is displaying in the UI.

**Status:** Fail

**TC\_028**

* **Module:** Cart
* **Test Scenario:** Verify cart badge count updates correctly after login again
* **Priority:** Medium
* **Test Steps:**
  1. Login as standard\_user
  2. Add 2 items to the cart
  3. Logout
  4. Login again
  5. Observe cart badge
* **Test Data:** Username: standard\_user, Password: secret\_sauce
* **Expected Result:** Cart badge shows "2" indicating previously added items still present
* **Actual Result:** Cart badge shows "2" indicating previously added items still present
* **Status:** Pass

**TC\_029**

* **Module:** Cart
* **Test Scenario:** Verify cart resets after clearing browser data and re-login
* **Priority:** Medium
* **Test Steps:**
  1. Login and add products to cart
  2. Clear browser cookies and cache
  3. Login again
  4. Navigate to cart
* **Test Data:** Username: standard\_user, Password: secret\_sauce
* **Expected Result:** Cart should be empty due to cleared session data (depends on implementation)
* **Actual Result:** Cart should be empty due to cleared session data (depends on implementation)

**Status:** Pass