

**SWAG LABS Testing Project Document**

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# Login-Logout Process

## Manual Testing:

**Test Cases Table:**

|  |  |  |
| --- | --- | --- |
| TC# | Test Case Description | Pass/Fail |
| LI1 | Login with valid credentials | ✅ Pass |
| LI2 | Login with invalid username | ✅ Pass |
| LI3 | Click login without filling any field | ✅ Pass |
| LI4 | Login with username starting with white space | ✅ Pass |
| LI5 | Login with username but no password | ✅ Pass |
| LI6 | Login with username starting with uppercase space character | ✅ Pass |
| LI7 | Login with username starting with special character | ✅ Pass |
| LI8 | Login with locked-out user | ✅ Pass |
| LI9 | Login with problem user | ✅ Pass |
| LI10 | Login with performance glitch user | ✅ Pass |
| LI11 | Login with correct username and wrong password | ✅ Pass |
| LI12 | Login using only password | ✅ Pass |
| LO1 | Logout from website | ❌ Fail (logout without confirmation) |

**Bug description for the failed test case LO1 (Logout Test) & Evidence:**

**🔴 Bug Title:**

Logout proceeds without confirmation message

**📌 Test Case ID:**

LO1

**🐞 Bug Description:**

When the user clicks the **Logout** option from the sidebar menu, the application logs the user out **without showing a confirmation message**. According to the test scenario, the system should prompt a **confirmation message** before logging the user out to prevent accidental logout actions.

**🎯 Expected Behaviour:**

A **confirmation message** (e.g., “Are you sure you want to log out?”) should be displayed before completing the logout process.

**❌ Actual Behaviour:**

User is logged out immediately **without any confirmation dialog**.

**🔍 Steps to Reproduce:**

1. Login successfully using valid credentials.
2. Click on the sidebar menu icon.
3. Click on the “Logout” option.
4. Observe behaviour.

**💻 Environment:**

* Browser: Microsoft Edge Version 135.0.3179.85 (64-bit)
* OS: Windows 11 Pro Version 24H2

**🧪 Severity:**

Low

**📊 Priority:**

Medium

**JIRA Link for the Bug:** [**JIRA**](https://eyouthdepi.atlassian.net/browse/DEPI-142)

## Automation Testing

**Test Case Summary Table (Automated Selenium Tests):**

|  |  |  |  |
| --- | --- | --- | --- |
| TC# | Test Case Description | Expected Result | Pass/Fail |
| TC1 | Successful login and logout with standard user | Inventory page visible after login, login page after logout | ✅ Pass |
| TC2 | Login attempt with locked out user | Error message: "Sorry, this user has been locked out." | ✅ Pass |
| TC3 | Login and logout with problem user | Inventory page visible after login, login page after logout | ✅ Pass |
| TC4 | Login and logout with performance glitch user | Inventory page visible after login, login page after logout | ✅ Pass |
| TC5 | Login with various invalid credentials (5 sub-cases) | Corresponding error message appears for each invalid attempt | ✅ Pass |
| TC6 | Navigate to inventory page without login | User is redirected to login page | ❌ Fail |

**🐞 Bug Report**

* **Bug ID**: BUG-TC6-INVENTORY-NO-LOGIN
* **Title**: Unauthorized access to inventory page without login
* **Severity**: High
* **Priority**: Critical
* **Environment**:
  + URL: https://www.saucedemo.com/v1/inventory.html
  + Browser: Microsoft Edge Version 135.0.3179.85 (64-bit)
  + OS: Windows 11 Pro Version 24H2
* **Description**:  
  When a user accesses the inventory page (/inventory.html) directly without logging in, the system **does not redirect** them to the login page. Instead, it **grants access** to the inventory interface, allowing the user to interact with the application without authentication. This behaviour **violates expected access control** and poses a **major security risk**.
* **Steps to Reproduce**:
  + Clear all browser cookies to simulate a logged-out session.
  + Navigate directly to https://www.saucedemo.com/v1/inventory.html via browser or automated script.
  + Observe that the user is able to see and interact with the inventory page.
* **Expected Result**:  
  The user should be redirected to the login page when attempting to access any protected resource without valid authentication.
* **Actual Result**:  
  The user is **not redirected** and gains access to the inventory page.
* **Impact**:  
  Allows unauthorized users to bypass login security, which can lead to data exposure, misuse of features, and overall compromised application behaviour.
* **Recommendation**:  
  Implement server-side session validation on all protected routes to enforce login checks and automatically redirect unauthorized users to the login page.
* **JIRA Link to Bug:** [JIRA](https://eyouthdepi.atlassian.net/browse/DEPI-215)

# Products Process

## Manual Testing

**Test Cases Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| TC# | Test Case Description | User | Pass/Fail |
| TC01 | User wants to view the product list | standard\_user | ✅ Pass |
| TC02 | User wants to view product "Sauce Labs Backpack" | standard\_user | ✅ Pass |
| TC03 | User wants to view product "Sauce Labs Bike Light" | standard\_user | ✅ Pass |
| TC04 | User wants to view product "Sauce Labs Bolt T-Shirt" | standard\_user | ✅ Pass |
| TC05 | User wants to view product "Sauce Labs Fleece Jacket" | standard\_user | ✅ Pass |
| TC06 | User wants to view product "Sauce Labs Onesie" | standard\_user | ✅ Pass |
| TC07 | User wants to view product "Test.allTheThings() T-Shirt (Red)" | standard\_user | ✅ Pass |
| TC08 | User wants to view the product list | problem\_user | ❌ Fail |
| TC09 | User wants to view product "Sauce Labs Backpack" | problem\_user | ❌ Fail |
| TC10 | User wants to view product "Sauce Labs Bike Light" | problem\_user | ❌ Fail |
| TC11 | User wants to view product "Sauce Labs Bolt T-Shirt" | problem\_user | ❌ Fail |
| TC12 | User wants to view product "Sauce Labs Fleece Jacket" | problem\_user | ❌ Fail |
| TC13 | User wants to view product "Sauce Labs Onesie" | problem\_user | ❌ Fail |
| TC14 | User wants to view product "Test.allTheThings() T-Shirt (Red)" | problem\_user | ❌ Fail |
| TC15 | User wants to view the product list | performance\_glitch\_user | ✅ Pass |
| TC16 | User wants to view product "Sauce Labs Backpack" | performance\_glitch\_user | ✅ Pass |
| TC17 | User wants to view product "Sauce Labs Bike Light" | performance\_glitch\_user | ✅ Pass |
| TC18 | User wants to view product "Sauce Labs Bolt T-Shirt" | performance\_glitch\_use | ✅ Pass |
| TC19 | User wants to view product "Sauce Labs Fleece Jacket" | performance\_glitch\_user | ✅ Pass |
| TC20 | User wants to view product "Sauce Labs Onesie" | performance\_glitch\_use | ✅ Pass |
| TC21 | User wants to view product "Test.allTheThings() T-Shirt (Red)" | performance\_glitch\_use | ✅ Pass |

**Product page bug report with user “problem\_user”:**

**🔴 Bug Title:**

Visual and text bugs in products with problem\_user

**📌 Test Case ID:**

TC08 to TC14

**🐞 Bug Description:**

Visual and text bugs in the product list and in every product's image and details, showing irrelevant properties in some products.

**🎯 Expected Behaviour:**

All the product names, prices and details are complete with without any visual or text bugs.

**❌ Actual Behaviour:**

- All the available products are present but with visual bugs (images aren't loaded).

- Upon clicking on any product, it shows the details, name and price of a whole another one.

- When you click on "Sauce Labs Fleece Jacket" Shows a message stating that the item isn't found with an irrelevant description and image (An image of a dog)

**🔍 Steps to Reproduce:**

1. Navigate to the login page of the application

2. Enter the provided credentials (username: problem\_user & password: secrect\_sauce) then click on log in.

3. View the entire product list.

4. View each product details.

**💻 Environment:**

* Browser: Microsoft Edge Version 135.0.3179.98 (64-bit)
* OS: Windows 11 Pro Version 23H2

**🧪 Severity:**

Major

**📊 Priority:**

High.

## Automation Testing

**Test Case Summary Table (Automated Selenium Tests):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC# | Test Case Description | User | Expected Result | Pass/Fail |
| TC01 | View products list | standard\_user | Items appear with correct details and images | ✅Pass |
| TC02 | View Product "Sauce Labs Backpack" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |
| TC03 | View Product "Sauce Labs Bike Light" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |
| TC04 | View Product "Sauce Labs Bolt T-Shirt" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |
| TC05 | View Product "Sauce Labs Fleece Jacket" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |
| TC06 | View Product "Sauce Labs Onesie" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |
| TC07 | View Product "Test.allTheThings() T-Shirt (Red)" then go back to products page | standard\_user | Product appear with correct price, details and complete UI, then  User gets redirected to Product Page | ✅Pass |

# Add to Cart Process

## Manual Testing

**Test Cases Table:**

|  |  |  |
| --- | --- | --- |
| TC:0 | Test Case Description | Pass/Fail |
| TC:1 | Add 1 product to cart | pass |
| TC:2 | Remove 1 product from cart | pass |
| TC:3 | Add Multiple Product to cart | pass |
| TC:4 | Remove Multiple Product from cart | pass |

**Bug Title:**

Cart accepts partial item removal without updating the cart badge count

**Test Case ID:**  
 TC02

**Bug Description:**  
 When attempting to remove a product from the cart after adding it, the item is visually removed from the cart list, but the cart badge (item count at the top right corner) does not update accordingly. This leads to confusion, as it appears the item is still in the cart.

**Expected Behaviour:**  
 When an item is removed from the cart, the cart badge should update immediately to reflect the new total number of items (or disappear if the cart is empty).

**Actual Behaviour:**  
 The product is removed from the cart list, but the cart badge still shows the previous item count until the page is refreshed.

**Steps to Reproduce:**

1. Open Google Chrome.
2. Navigate to: <https://www.saucedemo.com/v1/index.html>
3. Login with:  
      Username: standard\_user  
      Password: secret\_sauce
4. Click the Login button.
5. Add one item to the cart.
6. Click the cart icon to view cart contents.
7. Click the "Remove" button next to the item.
8. Observe the cart badge in the top-right corner.

**Environment:**  
 Browser: Google Chrome Version 135.0.7049.115 (64-bit)  
 OS: Windows 11 Pro Version 23H2

**Severity: Medium**

**Priority:** **High** – Affects user trust and functionality accuracy

## Automation Testing

|  |  |  |  |
| --- | --- | --- | --- |
| TC | Test case description | Expected Result | Pass/Fail |
| TC:1 | Add single item to cart (Standard\_user) | Item appears in cart with correct details | Pass |
| TC:2 | Add multiple to cart | All Items appear in cart with correct quantities | pass |
| TC:3 | Remove single item from cart | Item is removed from cart list | pass |
| TC:4 | Remove multiple Item from cart | All selected Items are removed | pass |
| TC:5 | Empty cart after removing all Items | Cart shows “0 items” and empty state | pass |
| TC:6 | Cart badge counter accuracy | Badge number matches actual cart items | pass |

# Sort Process

## Manual Testing

## **Test case table**

|  |  |  |  |
| --- | --- | --- | --- |
| TC# | Test Case Description | User | Pass/Fail |
| SO1 | Sort by Price: Low to High | standard\_user | ✅ Pass |
| SO2 | Sort by Price: High to Low | standard\_user | ✅ Pass |
| SO3 | Sort by Name: A to Z | standard\_user | ✅ Pass |
| SO4 | Sort by Name: Z to A | standard\_user | ✅ Pass |
| SO5 | Sort by Price: Low to High | problem\_user | ✅ Pass |
| SO6 | Sort by Price: High to Low | problem\_user | ✅ Pass |
| SO7 | Sort by Name: A to Z | problem\_user | ✅ Pass |
| SO8 | Sort by Name: Z to A | problem\_user | ❌ Fail |
| SO9 | Sort by Price: Low to High | performance\_glitch\_user | ✅ Pass |
| SO10 | Sort by Price: High to Low | performance\_glitch\_user | ✅ Pass |
| SO11 | Sort by Name: A to Z | performance\_glitch\_user | ✅ Pass |
| SO12 | Sort by Name: Z to A | performance\_glitch\_user | ❌ Fail |

### **🔴 Bug Report (for SO8 and SO12)**

**🪲 Bug Title:** "Z to A" sorting does not work correctly for some users

**📌 Test Case IDs:** SO8, SO12

**🐞 Bug Description:**

When logged in as problem\_user or performance\_glitch\_user, sorting products by name in **Z to A** order does not correctly sort the product list. Some names appear out of order, or the list is partially sorted.

**✅ Expected Behaviour:**

All product names should be sorted in strict descending alphabetical order (Z to A).

**❌ Actual Behaviour:**

The list is unordered or incorrectly sorted. For example, names starting with A or B might appear before names starting with Z.

**🔍 Steps to Reproduce:**

1. Go to <https://www.saucedemo.com/v1/index.html>
2. Login using:
   1. Username: problem\_user or performance\_glitch\_user
   2. Password: secret\_sauce
3. Select “Name (Z to A)” from the sort dropdown
4. Observe the product name order

**💻 Environment:**

* **Browser:** Microsoft Edge Version 135.0.3179.85 (64-bit)
* **OS:** Windows 11 Pro 24H2

**🧪 Severity:**

Medium

**📊 Priority:**

Medium

JIRA LINK: [JIRA](https://eyouthdepi.atlassian.net/jira/software/projects/DEPI/boards/1?assignee=712020%3Acd0a752e-12df-4bfc-ab64-86e702dd69a4&atlOrigin=eyJpIjoiY2E2Njg1NzZkYmUxNDdkYjg4MWFjNGQ1ODZkMjc2NDMiLCJwIjoiaiJ9)

## Automation Testing

### **Test Case Summary Table**

|  |  |  |  |
| --- | --- | --- | --- |
| TC# | Test Case Description | Expected Result | Pass/Fail |
| SO1 | Sort by Price: Low to High (standard\_user) | Items sorted from lowest to highest price | ✅ Pass |
| SO2 | Sort by Price: High to Low (standard\_user) | Items sorted from highest to lowest price | ✅ Pass |
| SO3 | Sort by Name: A to Z (standard\_user) | Items sorted alphabetically from A to Z | ✅ Pass |
| SO4 | Sort by Name: Z to A (standard\_user) | Items sorted in reverse alphabetical order (Z to A) | ✅ Pass |
| SO5 | Sort by Price: Low to High (problem\_user) | Items sorted from lowest to highest price | ✅ Pass |
| SO6 | Sort by Name: Z to A (performance\_glitch\_user) | Items sorted in reverse alphabetical order (Z to A) | ✅ Pass |
| SO7 | Sort by Price: Low to High (locked\_out\_user) | Cannot perform sort, user blocked | ❌ Fail |

### **🐞 Bug Report: SO7 (Locked Out User Sorting Attempt)**

* **Bug ID:** BUG-SO7-SORT-LOCKED-OUT
* **Title:** Sorting fails silently or gives misleading results for locked\_out\_user
* **Severity:** Low
* **Priority:** Low

### **💻 Environment:**

* **Browser:** Microsoft Edge Version 135.0.3179.85 (64-bit)
* **OS:** Windows 11 Pro Version 24H2
* **URL:** <https://www.saucedemo.com/v1/inventory.html>

### **📝 Description:**

When attempting to perform sorting as a locked\_out\_user, the system either:

* Prevents login (which is expected), or
* If session is reused (via script or bypass), the inventory page may be accessed.
* In that case, the sorting dropdown may appear but is **non-functional or fails silently**, misleading test results.

This behaviour exposes a flaw in access control. Users with blocked status **should never reach the inventory page or interact with sorting elements**.

### **🔍 Steps to Reproduce:**

1. Attempt to log in with username locked\_out\_user and valid password.
2. Login is blocked (expected).
3. Now, reuse session or access inventory page directly via URL.
4. Observe that the sort dropdown appears.
5. Try interacting with sort options — they may do nothing or cause silent failures.

### **✅ Expected Result:**

* Blocked users should **not access the inventory page** at all.
* Sorting UI elements should not be shown or should be disabled for unauthorized users.

### **❌ Actual Result:**

* Sorting options appear.
* They may not function as expected, causing automation tests to fail or behave inconsistently.

# Checkout Process

## Manual Testing

**Test Cases Table:**

|  |  |  |
| --- | --- | --- |
| TCID | Test Case Description | Pass/Fail |
| CO1 | Proceed to checkout with valid cart item | pass |
| CO2 | |  | | --- | | Proceed to checkout with empty shipping fields |  |  | | --- | |  | | pass |
| CO3 | |  | | --- | | Cancel checkout from Step One |  |  | | --- | |  | | pass |
| CO4 | |  | | --- | | Cancel checkout from Step Two |  |  | | --- | |  | | Pass |
| CO5 | Change the First name while writing the last name | Fail |

**Bug Title:**

Change the First name while changing the second named

**Test Case ID:**  
 CO5

**Bug Description:**  
 while attempting to proceed my check out process through the user “problem\_user” , in the checkout when it ask me for my personal data when I enter my first name it accepts it but however while entering my Last name it changes my first name as my last name automatically.

**Expected Behaviour:**  
 the user will be able to enter all valid data

**Actual Behaviour:**  
 The first name changes while changing the last name which means entering invalid data.

**Steps to Reproduce:**

1. Open Google Chrome.
2. Navigate to: <https://www.saucedemo.com/v1/index.html>
3. Login with:  
      Username: problem\_user  
      Password: secret\_sauce
4. Click the Login button.
5. Add one item to the cart.
6. Click the cart icon to view cart contents.
7. Click on check out button.
8. Enter your data “First Name , Last Name , Zip/Postal code”.

**Environment:**  
 Browser: Google chrome Version 136.0.7103.93 (Official Build) (64-bit)

OS: Windows 10 Pro Version 22H2

**Severity: High**

**Priority:** **High** – Affects user trust and functionality accuracy

## Automation Testing

**Test Case Summary Table (Automated Selenium Tests):**

|  |  |  |  |
| --- | --- | --- | --- |
| TCID | Test Case Description | Expected Result | Pass/Fail |
| TC1 | |  | | --- | | Successful checkout with single item |  |  | | --- | |  | | |  | | --- | | Thank you message, empty cart, redirect to inventory |  |  | | --- | |  | | ✅ Pass |
| TC2 | |  | | --- | | Checkout with missing shipping info (multiple sub-cases) |  |  | | --- | |  | | |  | | --- | | Appropriate error messages for each missing field |  |  | | --- | |  | | ✅ Pass |
| TC3 | |  | | --- | | Cancel checkout from Step One |  |  | | --- | |  | | |  | | --- | | User returns to cart page |  |  | | --- | |  | | ✅ Pass |
| TC4 | |  | | --- | | Cancel checkout from Step Two |  |  | | --- | |  | | |  | | --- | | User returns to products/inventory page |  |  | | --- | |  | | ✅ Pass |