Test Report

Swag Labs

Shopping Cart Testing

Prepared by H. L. P. Mayumi Shehara

Swag Labs Shopping Cart Functionality

Introduction

- **Project:** Swag Labs Shopping Cart Testing
- **Testing Methodology:** Selenium Automation Testing
- **Date & Time:** 05 / 06 /2024 at 1.46 pm

Test Case Summary

1. Login with valid credentials:

- Expected Result: User logs in successfully and lands on the product inventory page.
- Pass/Fail: Pass

2. Select a product:

- Expected Result: Product details page with matching name and price is displayed.
- Pass/Fail: Pass

3. Add product to cart:

- Expected Result: Product is added to the cart.
- Pass/Fail: Pass

4. Verify product in cart:

- Expected Result: Added product with name and price appears in the shopping cart.
- Pass/Fail: Fail

5. Remove product from cart:

- Expected Result: Product is successfully removed from the cart.
- Pass/Fail: Pass

6. Add multiple products:

- Expected Result: Selected products with their names and prices appear in the cart.
- Pass/Fail: Pass

7. Verify total on checkout page:

- Expected Result: Item total on the checkout page matches the sum of product prices.
- Pass/Fail: Pass

8. Complete order:

- Expected Result: Order confirmation with "Thank You for your order" message is displayed.
- Pass/Fail: Pass

9. Verify product in cart:

- Expected Result: Added product with name and price appears in the shopping cart.
- Pass/Fail: Pass

Defect Details

- No defects were identified during the test execution.
- Observations:

  - The application performance was responsive with minimal loading times.

  - The login process was smooth and user-friendly.

  - Adding/removing products from the cart provided clear visual confirmation.

  - The checkout process was straightforward but required personal information.

Environment Details

- Operating System: Windows 11
- Browser and version: Google Chrome - Version 125.0.6422.142 (Official Build) (64-bit)
- Swag Labs application URL: https://www.saucedemo.com/v1/

Conclusion

Test Cases Executed: 9 (including a retest of TC-04)

Passed: 8

Failed: 1 (initial run of TC-04)

Key Findings:

- All functionalities behaved as expected except for the initial run of test case 4 ("Verify product in cart").
- Upon retesting (TC-09), the product successfully displayed in the cart, indicating a potential issue with the initial test script execution or intermittent application behavior.

Additional Observations:

- Insights gained from retesting TC-04, the cause of the initial failure :

  Similarities:

  - Both tests use the same setup and teardown methods.
  - Both perform the login steps using standard credentials.

  Differences:

  - TC4Test stopped after clicking the shopping cart link.
  - TC9Test includes an additional step: clicking the login button

  Explanation:

  Assuming TC4Test was failing because it didn't include logging in, TC9Test explicitly adds the login button click step, potentially replicating the user action of logging in before navigating to the cart. This extra step might explain why TC9Test passed while TC4Test initially failed.

- Observations during testing, for all the functionalities :

1. TC-01: Login with valid credentials
   - Expected Result: User logs in successfully and lands on the product inventory page (URL: https://www.saucedemo.com/inventory.html)
   - Pass/Fail: Pass

- Observations:
  - The login process was smooth and responsive
  - The login page retains previous login information (username)

2. TC-02: Select a product

- Expected Result: Product details page with matching name and price is displayed.
- Pass/Fail: Pass
- Observations:
  - The clicking on a product resulted a noticeable transition.
  - The product images were clear and loaded without delays.

3. TC-03: Add product to cart

- Expected Result: Product is added to the cart.
- Pass/Fail: Pass
- Observations:
  - Adding a product provided a visual confirmation of cart icon update.
  - No noticeable delays between adding a product and seeing it reflected in the cart.

4. TC-04: Verify product in cart (Initial Test Failed)

- Expected Result: Added product with name and price appears in the shopping cart.
- Pass/Fail: Fail
- Observations:
  - The initial test failure requires investigating the application behavior.

5. TC-05: Remove product from cart

- Expected Result: Product is successfully removed from the cart.
- Pass/Fail: Pass
- Observations:
  - Removing a product was immediate.
  - There was a visual cue animation indicating successful removal.

6. TC-06: Add multiple products

- Expected Result: Selected products with their names and prices appear in the cart.
- Pass/Fail: Pass
- Observations:

- o Adding multiple products did not affect the application's performance.
- o There was a clear distinction between the added products within the cart view.

7. TC-07: Verify total on checkout page

- Expected Result: Item total on the checkout page matches the sum of product prices.
- Pass/Fail: Pass
- Observations:
  - o The checkout page layout was clear and easy to understand.
  - o The checkout process requires personal information.

8. TC-08: Complete order

- Expected Result: Order confirmation with "Thank You for your order" message is displayed.
- Pass/Fail: Pass
- Observations:
  - o The order confirmation page displayed relevant order details (items, total).
  - o There were no any unexpected error messages or behavior during order submission.

9. TC-09 (Retest): Verify product in cart

- Expected Result: Added product with name and price appears in the shopping cart.
- Pass/Fail: Pass (after investigation and script modification)