Subject Name: **SOFTWARE TESTING**

Website: **SauceDemo**

Link: https://www.saucedemo.com/

Submitted to: **Dr Mansoor Nasir**

Submitted by: **Muhammad Usman**

Semester: **7th**

Roll No: **221247**

Section: **B**

Assignment: **01 (Mid)**

Date: **09-Nov-2025**

Department: **Computer Science**

Program: **BS Software Engineering**

Sauce Demo Web Application – Test Documentation

Contents:

1. Test Plan

1.1 Objective

The purpose of this test plan is to verify the core functionalities of the **Sauce Demo (Swag Labs)** web application using **Robot Framework with SeleniumLibrary**.
The goal is to ensure that all major user workflows (Login, Add to Cart, Checkout, Logout) perform as expected without errors.

1.2 Scope

Testing covers:

- Login page functionality

- Adding products to cart

- Checkout process

- Logout feature

Not included:

- API testing

- Performance or security testing

1.3 Test Environment

Component	Details
Application URL	https://www.saucedemo.com/

Testing Tool	Robot Framework
Library Used	SeleniumLibrary
Browser	Google Chrome
OS	Windows 10

1.4 Test Data

Data Type	Value
Username	standard_user
Password	secret_sauce
First Name	John
Last Name	Doe
Postal Code	90210

1.5 Responsibilities

- **Tester:** Muhammad Usman Ghani
- **Task:** Design, execute, and document all test cases for the Sauce Demo website.

1.6 Entry & Exit Criteria

Criteria Description

Entry   Browser setup completed and application URL accessible

Exit   All test cases executed and results documented

Test Cases for Sauce Demo Website

1. Login Feature

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Result
TC_L1	Login with valid credentials	Open Login page → Enter correct username and password → Click Login	Username: standard_user Password: secret_sauce	User should successfully log in and reach Inventory page
TC_L2	Login with invalid password	Enter valid username but wrong password → Click Login	Username: standard_user Password: wrong_pass	System should show "Username and password do not match"

TC_L3	Login with blank fields	Leave username and password fields empty → Click Login	Empty input	System should show "Username is required" message
TC_L4	Login with locked account	Enter locked user credentials → Click Login	Username: locked_out_user Password: secret_sauce	System should show "Sorry, this user has been locked out."
TC_L5	Login with invalid username format	Enter invalid username → Click Login	Username: invalid_user	System should show "Invalid username" message

2. Add to Cart Feature

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Result
TC_C1	Add one product to cart	Log in → Click "Add to Cart" on Sauce Labs Backpack	Product: Sauce Labs Backpack	Product should appear in cart and badge should show "1"
TC_C2	Add multiple products to cart	Log in → Add 2 or more items → Open cart	Multiple products	All selected items should be listed in cart
TC_C3	Remove a product from cart	Go to cart → Click "Remove" on one item	Any product	Product should be removed successfully
TC_C4	Add product without login	Try adding to cart directly from Login page	Not logged in	System should ask user to log in first
TC_C5	Verify cart badge update	Add one product → Check badge count	Product: 1	Cart badge should show "1"

3. Checkout Feature

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Result
TC_CH1	Checkout with valid details	Add a product → Go to cart → Click Checkout → Fill info → Finish	Name: John Doe Zip: 90210	"Thank you for your order!" confirmation message should appear
TC_CH2	Checkout with missing fields	Leave name or postal code blank → Click Continue	Missing input	System should display field validation error
TC_CH3	Checkout cancel before payment	Start checkout → Click Cancel	N/A	User should return safely to cart page
TC_CH4	Checkout with multiple products	Add multiple products → Checkout → Confirm	Multiple items	Order summary should show all items correctly
TC_CH5	Verify order confirmation message	Complete checkout → Observe final page	Valid order	"Checkout: Complete!" and "Thank you for your order!" messages displayed

4. Logout Feature

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Result

TC_LG1	Successful logout	Log in → Click Menu → Click Logout	Valid login credentials	User redirected to Login page
TC_LG2	Logout from cart page	Add a product → Go to Cart → Open Menu → Click Logout	Valid login credentials	User should be logged out and returned to Login page
TC_LG3	Logout multiple times	Log in → Logout → Log in again → Logout	Valid login credentials	Application should handle multiple logout/login actions smoothly
TC_LG4	Logout button visibility	Open menu after login	Logged-in user	Logout button should be visible under sidebar menu
TC_LG5	Cancel logout scenario	Open menu → Don't click logout → Continue browsing	Logged-in user	User remains logged in and can access inventory normally

3. Bug Report

Bug ID	Title	Description	Steps to Reproduce	Expected Result	Actual Result	Status
BUG-01	Popup After Logout	"Save Password" popup appears after logout, blocking test flow	1. Run Logout test 2. Observe browser prompt	Page should return to login screen smoothly	Browser shows save-password dialog	Open / Minor
BUG-02	Sorting Dropdown Not Found	Element not located during sorting test	1. Try selecting sorting dropdown	Dropdown should be selectable	Element locator not working (id changed)	Fixed

Test Summary Report

After completing the testing of the **Sauce Demo (Swag Labs)** web application, a brief summary report was prepared to highlight the overall outcomes. The testing process focused on validating the main functional modules, including **Login**, **Add to Cart**, **Checkout**, and **Logout**. All test cases were executed successfully, ensuring that each feature performs as expected under standard conditions. Minor usability observations, such as the browser's password save popup after logout, were noted but did not affect core functionality.

Summary Table

Category	Details

Total Test Cases Executed	4
Passed	4
Failed	0
Blocked/Skipped	0
Defects Found	1 Minor (Browser Save Password Popup)
Execution Date	09-Nov-2025
Tester	Muhammad Usman Ghani

Conclusion

The **Sauce Demo Web Application** successfully met its functional requirements during testing. Each primary user flow — Login, Adding to Cart, Checkout, and Logout — executed without errors, confirming the system's reliability and usability.

The automation scripts using **Robot Framework with SeleniumLibrary** ran smoothly, providing efficient verification of all essential operations.

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