

Test Plan Document (Saucedemo website)

1. Introduction

This test plan is created to define the testing strategy for the **Saucedemo website**. It explains what will be tested, how testing will be performed, and the conditions required to start and finish testing. The purpose of this document is to ensure that testing is organized and systematic.

2. Objective and Scope

2.1 Objective

The main objective of testing is to:

- Verify that core features of the Saucedemo website work correctly
- Identify functional and UI issues
- Retest previously reported bugs
- Ensure the application behaves consistently on different browsers

2.2 Scope

→In Scope

- Login functionality
- Product listing and sorting
- Cart and checkout flow
- User interface elements
- Browser compatibility testing

→Out of Scope

- Performance testing
- Security testing
- Backend or database testing

3. Testing Approach

Manual testing will be performed based on user behavior without viewing the application's source code. The testing approach includes:

- Functional testing
- Black-box testing using BVA and EP techniques
- Cross-browser testing
- Retesting of previously reported bugs

4. Black-Box Testing Techniques

4.1 Boundary Value Analysis (BVA)

Boundary Value Analysis is used to test input fields by checking minimum, maximum, and empty values.

Field	Input Condition	Result
Username	Empty	Error message displayed
Username	Valid input	Accepted
Password	Empty	Error message displayed
Password	Valid input	Accepted

Observation:

Input boundaries are handled correctly, but error messages are not always clear.

4.2 Equivalence Partitioning (EP)

Equivalence Partitioning divides input data into valid and invalid groups.

Input Type	Test Data	Outcome
Valid credentials	standard_user / secret_sauce	Login successful
Invalid password	standard_user / wrong123	Error shown
Invalid username	test_user	Error shown
Empty fields	Blank	Validation message shown

Observation:

The system correctly differentiates between valid and invalid input sets.

5. Resources Required

Human Resource

- Manual Tester (Test execution and reporting)

Tools

- Web browsers (Chrome, Firefox, Edge)
- Google Sheets / Docs for documentation
- Google Classroom for submission

6. Test Environment

Component	Details
Operating System	Windows 10
Browsers	Chrome, Firefox, Edge
Device	Desktop / Laptop
Network	Stable internet connection

7. Entry and Exit Criteria

Entry Criteria

- Application is accessible
- Test cases are prepared
- Test environment is ready

Exit Criteria

- All planned test cases executed
- Bugs retested and verified
- Reports completed and reviewed

8. Testing Schedule

Activity	Time
Test Plan Creation	1 Day
Black-Box Testing	1 Day
Compatibility Testing	1 Day
Retesting & Reporting	1 Day