

Test Plan: Saucedemo E-Commerce Project

1. Project Overview

Project Name: Saucedemo E-Commerce Application

Project Description:

Saucedemo is an online demo e-commerce application used for QA testing. Users can log in, browse products, add items to the cart, checkout, and logout.

Objective:

To validate functional, non-functional, and regression aspects of Saucedemo, ensuring the application behaves as expected across all supported features.

Test Manager / QA Lead: Jyoti Hiremath

Testers: Jyoti Hiremath

2. Scope of Testing

In-Scope:

- User login/logout
- Product catalog display
- Add to cart / remove from cart
- Cart badge count validation
- Checkout process (form validation, purchase flow)
- Sorting/filtering products
- Error handling for invalid inputs

Out-of-Scope:

- Performance and load testing (handled separately)
- Backend database testing beyond visible UI results.

3. Test Objectives

- Ensure all functional requirements are met
- Validate cart operations and checkout workflow
- Verify UI elements and responsiveness
- Detect and report defects for resolution
- Ensure no regression in critical workflows

4. Test Approach / Strategy

Testing Types:

- Functional Testing
- Regression Testing
- Smoke Testing
- UAT Testing

Techniques:

- Manual test execution for UI and workflow validation.
- Exploratory testing for edge cases.
- Data-driven testing for login and checkout scenarios.

Environments:

- Browser: Chrome, Firefox, Edge
- Devices: Desktop & Laptop
- URL: <https://www.saucedemo.com>

5. Entry & Exit Criteria

Entry Criteria:

- Application deployed to test environment
- Test data prepared
- Test cases ready and reviewed

Exit Criteria:

- All critical and high-severity defects resolved or accepted
- Test coverage $\geq 90\%$ of in-scope functionality
- Test summary report completed

6. Test Deliverables

- Test Plan document
- Test Case document (Excel / CSV)
- RTM (Requirement Traceability Matrix)
- Defect Reports
- Test Summary Report

7. Test Environment

- OS: Windows 10 / macOS
- Browsers: Chrome v115+, Firefox v115+, Edge v115+
- Tools: Selenium WebDriver, TestNG (optional for automation), Postman (for any API verification), JIRA / TestRail (for defect management)

8. Risk & Mitigation

Risk	Probabiliy	Impact	Mitigation
Delayed environment setup	Medium	High	Coordinate early with dev/ops team
Unexpected UI changes	Medium	Medium	Update test cases promptly
High number of defects	Low	High	Prioritize critical defects for release

9. Test Schedule

Activity	Start Date	End Date
Test Planning		
Test Case Preparation		
Test Execution		
Defect Logging & Retesting		
Test Summary Report		

10. Approval

Role	Name	Signature	Date
QA Lead	—	—	—
Project Manager	—	—	—

