

# **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	Probability	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	—	—	—

