

# SauceDemo Project - Test Plan

## 1. Project Overview

This test plan outlines the manual and automation testing strategy for the SauceDemo application (<https://www.saucedemo.com/>). It includes the functional, UI/UX, negative, and edge-case test coverage.

## 2. Objectives

- Ensure core functionality like login, add to cart, and checkout work as intended
- Validate UI and UX responsiveness and consistency
- Identify bugs through manual and automated testing workflows

## 3. Scope

### In Scope

- Manual testing of core user workflows
- Automation of 3 workflows: Login, Add to Cart, Checkout

### Out of Scope

- Performance testing
- API testing (unless part of core flows)

## 4. Test Environment

- Website URL: <https://www.saucedemo.com/>
- Browsers: Chrome
- Devices: Desktop (Windows 11)

- Tools: Selenium with Python, pytest, Excel/Google Sheets

## **5. Test Scenarios & Types**

### **A. Functional Test Cases**

1. Login with valid credentials
2. Login with invalid credentials
3. Add single/multiple products to cart
4. Remove product from cart
5. Checkout process - step-by-step
6. Logout functionality

### **B. UI/UX Checks**

1. Layout consistency (button alignment, page structure)
2. Error message visibility
3. Responsive design testing
4. Button hover and active states

### **C. Negative & Edge Case Testing**

1. Login with empty username or password
2. Add product to cart with page refresh
3. Checkout without items in cart
4. Attempt to access internal pages without login

## **6. Deliverables**

- Test Plan (this document)

- Test Case Sheet (Google Sheets)
- Bug Report (Google Doc with screenshots)
- Selenium Test Scripts (GitHub repo)
- Short video demo of automated tests

## 7. Roles & Responsibilities

Role	Name	Responsibility
QA Engineer	S Vamsi Krishna	Manual and Automation Testing

## 8. Risks & Mitigation

Risk	Mitigation
UI layout changes	Re-verify all UI cases after every deployment
Dynamic data may break scripts	Use waits and assertions to handle delays

## 9. Tools Used

- Selenium with Python
- GitHub for version control
- Google Sheets for test cases
- Google Docs for reports

## 10. Schedule

Task	Duration
Manual Testing	2 days
Automation Scripting	1 day

Reporting & Documentation 1 day

## **11. Approval**

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**Date:** 25/06/2025

**Approved by:** Chaithanya