




Project Review: Testing SauceDemo Website

1. Project Overview

We are assigned to test the SauceDemo website:

 <https://www.saucedemo.com/>

The testing will be divided into two phases:

- Manual Testing → Writing test cases and bug reports using Excel sheets.
- Automation Testing → Using Selenium WebDriver and TestNG frameworks.

2. Testing Approach

Phase	Description
Manual Testing	Write clear test cases for all pages and flows. Execute them manually, observe results, and report any bugs found. Document everything in Excel.
Automation Testing	Automate major test cases using Selenium WebDriver and TestNG to validate functionality automatically and detect regressions.

3. Team Structure & Responsibilities

Team Member	Assigned Areas
Mohamed Samir(Team Leader)	Login Page + Menu/Sidebar + Managing Manual and Automation Results.
Abd El Rahman Ahmed	Inventory Page
Roaa Ahmed	Product Detail Page + Cart Page
Ahmed Rafaat	Checkout Flow

4. Website Structure (Pages and Flows)

Page / Flow	Notes
Login Page	Test valid/invalid login, empty fields, error messages

Inventory Page	Test product listing, sorting, add to cart, delete item
Product Detail Page	Test product description, add to cart, delete item
Cart Page	Test removing items, continue shopping, checkout button
Checkout Flow	Test info entry, validation, order review, order completion
Menu / Sidebar	Test logout, about link, reset app state

5. Tools & Technologies

Purpose	Tool
Manual Test Cases	Excel Sheets
Bug Reporting	Excel Sheets
Automation Framework	Selenium WebDriver
Testing Framework	TestNG
Programming Language	Java (or Python if preferred)
Browser	Chrome (via ChromeDriver)

6. Deliverables

Deliverable	Format/Details
Test Cases Document	Excel file containing detailed test cases
Bug Report Document	Excel file listing all bugs found with steps, severity, status
Automation Test Scripts	Selenium WebDriver scripts organized by TestNG
Test Execution Report	TestNG HTML report + Summary

7. High-level Process Steps

Manual Testing Steps

1. Understand and analyze each page/flow.
2. Write detailed test cases with expected results.
3. Execute test cases manually.
4. Report bugs in the Bug Report Excel sheet.

Automation Testing Steps

1. Identify test cases suitable for automation (login, add to cart, checkout).
2. Build automation framework using Selenium + TestNG.
3. Write and organize test scripts.
4. Execute tests using different browsers if possible (cross-browser).
5. Generate and review TestNG reports.

8. Success Criteria

- ✓ 100% manual test cases executed.
- ✓ All major bugs reported and verified.
- ✓ Core user flows automated successfully.
- ✓ Clear and organized documentation (Excel + Automation Scripts).
- ✓ Test execution reports delivered.