

Swag Labs Test Plan

(saucedemo.com)



Prepared by: Team 53

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Version 1.1
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1.Introduction

This Test Plan defines the strategy, scope, resources, and schedule for testing the Swag Labs e-commerce platform (saucedemo.com). It ensures that all functional and non-functional requirements specified in the SRS are validated through systematic testing.

2.Test Items

- **Authentication: Login/Logout, error handling.**
- **Inventory: Product listing, sorting, product details.**
- **Cart: Add/remove items, checkout initiation.**
- **Checkout: Multi-step form, validation, totals, completion.**
- **Navigation: Header, footer, hamburger menu.**
- **Non-Functional: Performance, security, usability.**

3.Features to be Tested

- **Positive and negative login scenarios.**
- **Product browsing and sorting.**
- **Cart management and checkout flow.**
- **Session handling and security redirects.**
- **UI consistency and usability feedback.**

4.Features Not to be Tested

- **Backend administrative interfaces.**

- **Third-party payment gateway integrations.**
- **Hosting infrastructure.**
- **External “About” page link.**

5. Approach

- **Manual Testing:** Functional validation, exploratory testing.
- **Bug Reporting:** Jira/Test IO template with severity, priority, environment.
- **Traceability:** Each test case mapped to Req_ID in SRS.
- **Automation:** Selenium + TestNG (Java, POM model).
- **API Testing:** Postman/REST Assured for login, inventory, cart, checkout endpoints.

6. Pass/Fail Criteria

- **Pass:** All critical functional requirements validated successfully.
- **Fail:** Any blocking defect in authentication, checkout, or cart functionality.

7. Deliverables

- **Test Plan document.**
- **Test Cases with review notes.**
- **Bug Reports with review notes.**
- **Automation scripts.**
- **API test collections.**

8. Schedule

| Phase | Start Date | End Date | Notes |
|--------------------------|-------------|-------------|--------------------------------|
| Requirement Review | 03-Nov-2025 | 07-Nov-2025 | Validate clarity & testability |
| Test Case Design | 15-Nov-2025 | 20Nov-2025 | Map cases to Req_ID |
| Test Case Review | 21-Nov-2025 | 22-Nov-2025 | Peer review & corrections |
| Bug Report Review | 21-Nov-2025 | 22-Nov-2025 | Ensure consistency & severity |
| Automation Development | 23-Nov-2025 | 28-Nov-2025 | Selenium + TestNG scripts |
| API Testing | 29-Nov-2025 | 30-Nov-2025 | Postman |
| Final Execution & Report | 30-Nov-2025 | 30-Nov-2025 | Consolidated results |
| Review and Edits | 01-Dec-2025 | Today | |
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9. Resources

- **Test Environment:** Chrome, Firefox, Edge.
- **Tools:** Jira, Selenium, TestNG, Postman.
- **Team:** QA engineers, automation testers, API testers.

