

# Swag Labs Test Plan

## (saucedemo.com)



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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](https://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	20-Nov-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	

## 9. Resources

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

