

Test Plan Document

Project name: Swag Labs Website

Project overview

The project involves testing an e-commerce platform. The website allows users to log in, browse products, add items to the cart, and complete purchases. The purpose of this test plan is to ensure the quality and functionality of Swag Labs through systematic testing.

Team:

No	Name	
1	Esraa Mohammed Elghorab	Team Leader
2	Mohamed yousry said	Team Member
3	Mahmoud Ahmed ElSayed Mohamed Mousa	Team Member
4	Mohamed Lotfy Abdel Hakeem Elzoghby	Team Member
5	Bassem Kamal Mostafa AboSeeda	Team Member

Scope:

- **User login:** Verify that users can log in and manage their accounts securely.
- **Product browsing:** Ensure that users can browse products and use filters.
- **Shopping Cart Management:** Test adding, updating, and removing items from the shopping cart.
- **Payment Processing:** Validate buyer information entry and order confirmation flow (without payment methods).

User stories:

Name	User story
Esraa Mohammed Elghorab	Login page
Mahmoud Ahmed ElSayed Mohamed Mousa	products main page
Bassem Kamal Mostafa AboSeeda	Shopping cart
Mohamed yousry said	Checkout + Confirmation page
Mohamed Lotfy Abdel Hakeem Elzoghby	

Testing types and levels:

- **Levels**
 - Component testing
 - Integration testing
 - System testing
- **Types**
 - Static
 - Manual
 - API testing
 - Automation

User stories timeline

User story		Time (hr)
Login page	Static	20
	Creation	40
	Execution	80
	Summary	40
Checkout + Confirmation page	Static	20
	Creation	40
	Execution	80
	Summary	40
products main page	Static	20
	Creation	40
	Execution	80
	Summary	40
Shopping cart	Static	20
	Creation	40
	Execution	80
	Summary	40
Total		720

Project timeline

Testing phases	Time (hr)
Test planning	80
Test case Design	160
Test Environment setup and execution	320
Test Closure	80
Total hours	720

Risks:

- Human Risk: Skill Gaps
Some team members may lack strong knowledge in advanced testing techniques such as automation, API testing, or security testing. This may result in slower execution and limited test coverage.
- Personal Risk: Team Availability
Absences due to illness, work deadlines, or personal commitments can reduce team productivity and delay deliverables.
- Project Risk: Test Environment Downtime
Server crashes, unstable test environments, or loss of access to the staging site can cause interruptions in execution and rework delays.
- Quality Risk: Incomplete Test Coverage
Due to time limits or oversight, critical Due to time limits or oversight, critical scenarios (edge cases in checkout flow, browser) might be missed, leading to undiscovered defects
- Tool & Technology Risk
Testing tools (Jira, browsers, automation frameworks) may face compatibility issues, license problems, or version mismatches, impacting execution.

What will we test?

- Verify that login functionality works correctly with valid and invalid users.
- Ensure products are displayed correctly with accurate details (name, description, price, and image).
- Validate cart and checkout flow.
- Validate compatibility of website that can open on various browsers.
- Ensure security of website that hide password in login page

Entry & Exit Criteria

- **Entry Criteria**
 - All functional and non-functional requirements are documented.
 - Test environment "<https://www.saucedemo.com/>" is stable and accessible.
 - Test data is prepared (valid and invalid users).
 - Test cases are designed.
 - Required browsers (Chrome, Brave) and OS (Windows 10/11) are available.
 - Tools for defect tracking and reporting are ready (Jira and Excel).
- **Exit Criteria**
 - All planned test cases for login, product browsing, cart, and checkout are executed.
 - Test coverage goals are achieved
 - Test summary report is prepared
 - All defects are documented and raised.

Test Data

- **Username**
 - standard_user
 - locked_out_user "Locked user"
 - problem_user "UI issue"
 - performance_glitch_user "performance issue"
- **Password**
 - Secert_sauce

Test Deliverables

- Test plan document
- Test cases
- Test scripts
- Test data
- Bug reports
- Test execution results
- Test summary report

Environment

- URL: <https://www.saucedemo.com/>
- Browsers: Chrome (latest version), Brave (latest version)
- OS: Windows 10/11