# Test Activity for Swag Labs

## 1. Test Suite

A test suite for Swag Labs includes various categories of tests to ensure the proper functionality of the application. The test suite consists of:

* Login Tests
* Product Page Tests
* Cart Functionality Tests
* Checkout Process Tests
* Performance Tests
* Security Tests
* Filter & Sorting Tests
* User Session Management Tests
* Error Handling Tests
* Mobile Responsiveness Tests

## Test Cases

## 3. Test Plan

### Objectives:

* Validate the login functionality, product listing, cart, and checkout process.
* Ensure UI and performance stability.
* Identify security vulnerabilities.
* Test filtering, sorting, and session management.
* Verify error handling and mobile responsiveness.

### Scope:

* Web and mobile versions of Swag Labs.
* Functional, security, usability, and performance testing.

### Testing Tools:

* Selenium for automated testing.
* Postman for API testing.
* JMeter for performance testing.

### Schedule:

## 4. Test Summary

* Total Test Cases Executed: 135
* Passed: 108
* Failed: 27
* Defects Identified: 20
* Status: In Progress

### Conclusion:

The Swag Labs application performs well in most functional areas, but some issues require attention, particularly in checkout validation, session handling, and mobile responsiveness. Further testing and bug fixes are recommended before production deployment.

## Detailed Test Cases

### Login Tests

* • Test Case: Valid Login

Steps: Enter valid username and password, click login.

Expected Result: User successfully logs in.

* • Test Case: Invalid Login

Steps: Enter incorrect username/password, click login.

Expected Result: Error message is displayed.

* • Test Case: Empty Fields Login

Steps: Leave username and password blank, click login.

Expected Result: Error message is displayed.

### Product Page Tests

* • Test Case: Add Product to Cart

Steps: Click 'Add to Cart' on a product.

Expected Result: Product is added to the cart.

* • Test Case: Remove Product from Cart

Steps: Click 'Remove' on a product in the cart.

Expected Result: Product is removed from the cart.

### Schedule

|  |  |
| --- | --- |
| Phase | Duration |
| Test Planning |  |
| Test Case Development |  |
| Test Execution |  |
| Defect Reporting & Fixing |  |
| Final Report |  |