

Test Plan Document – Sauce E-commerce Application

DevelopersHubCorporation Internship

Domain: Software Quality Assurance (SQA)

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Week:2

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TEST PLAN DOCUMENT – SAUCEDEMO WEB APPLICATION

1. Objective and Scope

1.1 Objective

The objective of this test plan is to perform manual black-box testing, cross-browser compatibility testing, and retesting of defects identified in Week 1 for the SauceDemo web application. This test aims to ensure that the application functions correctly across different browsers and that previously reported issues are reviewed.

1.2 Scope

In-Scope Testing: Login functionality testing, Product page validation, Black-box testing techniques (BVA and EP), Cross-browser compatibility testing, Retesting of previously reported defects.

Out-of-Scope Testing:

- Performance testing
- Security testing
- Database testing

2. Testing Approach

The following testing approaches will be used during Week 2:

- Manual Black-Box Testing using Boundary Value Analysis (BVA) and Equivalence Partitioning (EP)
- Cross-Browser Compatibility Testing on Chrome, Firefox, Edge
- Manual retesting of Week 1 defects
- Functional and UI validation

3. Resources Required

Tester: Esha Tabbassum

Application: SauceDemo Web Application

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

Browsers: Chrome, Firefox, Edge

Tools: Browser Developer Tools, Jira

Test Data: Predefined user credentials

4. Test Environment

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

Operating System: Windows 11

Browser Versions: Chrome 121, Firefox 115, Edge 121

Screen Resolution: 1920x1080

Credentials: standard_user / secret_sauce

5. Entry and Exit Criteria

5.1 Entry Criteria

Testing will begin when:

1. Test plan is approved

2. Test environment is ready
3. Week 1 test cases and bug reports are documented

5.2 Exit Criteria

Testing will be completed when:

1. Boundary Value Analysis and Equivalence Partitioning tests are executed
2. Cross-browser testing is completed on Chrome, Firefox, and Edge
3. Week 1 defects are retested
4. Reports prepared

6. Testing Schedule

| Task | Estimated Duration | Status |
|-------------------------------|--------------------|-----------|
| Test Planning | 1 Day | Completed |
| Boundary Value Analysis (BVA) | 3 Hours | Pending |
| Equivalence Partitioning (EP) | 2 Hours | Pending |
| Cross-Browser Testing | 3 Hours | Pending |
| Retesting & Reporting | 1 Day | Pending |