## **TEST PLAN + CASES FOR E-COM**

**Project / Application:** SauceDemo E-commerce Webpage.  
 **Prepared by:**SL

**Date:** 7/14/2025

### **1 | TEST PLAN**

**1.1 Objective**

Testing end-to-end checkout flow of saucedemo ecom webpage.

**1.2 Scope** *In scope:*

| **Login, Logout, and Locked-Out User flows** on Chrome, Firefox, Edge (desktop) |
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| • **Add / Remove Cart Items** on Chrome (Android 12) and Safari (iOS 16) using BrowserStack emulators |
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| • **Checkout Steps 1 & 2** with valid and missing ZIP code data |
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| • Functional, Regression, and Smoke test suites (12 total cases) |
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*Out of scope:*

| • **Problem User** visual-bug scenarios (covered in next sprint) |
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| • **Performance stress testing** (≥50 virtual users) |
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| • **Localization** and right-to-left layout checks |
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**1.3 Test Types & Levels** Functional · Regression · System-Integration · Smoke · Acceptance · Performance · Accessibility

**1.4 Assumptions & Constraints**

* Test data limited to demo creds provided by Sauce Labs.
* No server-side logs available, so defect evidence is UI & network tab only.
* Mobile testing done on BrowserStack emulators—not physical devices.

**1.5 Risks & Mitigations**

| **Risk** | **Probability** | **Impact** | **Mitigation** |
| --- | --- | --- | --- |
| **Third-party site outage** | Low | High | Capture HAR file to prove issue is upstream. |

**BrowserStack quota exceeded** Med Med Schedule mobile runs off-peak (7 a.m.).

**1.6 Test Environment**

• Desktop: Windows 11 + Chrome 125, Edge 125, Firefox 127.

• Mobile: Android 12 Chrome, iOS 16 Safari on BrowserStack.

• Network: default (unthrottled) plus “Fast 3G” in DevTools for perf spot check.

**1.7 Tools** Jira · Postman · Selenium IDE · Microsoft Excel · (any others)

**1.8 Schedule & Milestones**

| **Milestone** | **Planned Date** | **Owner** |
| --- | --- | --- |
| Test-plan sign-off | \_\_\_ | \_\_\_ |
| Test execution start | \_\_\_ | \_\_\_ |
| Test completion | \_\_\_ | \_\_\_ |

**1.9 Entry / Exit Criteria**

* **Entry:** code deployed to QA env; test data ready; story AC finalized.
* **Exit:** ≥95 % test cases pass; no open Sev-1/Sev-2 defects; test summary published.

**1.10 Deliverables** Test cases · Defect reports · Daily status log · Final test summary

| TEST CASE LOG | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case No type#** | **Title** | **Preconditions** | **Test steps** | **Expected Result** | **DropdownsPriority** | **Dropdowns Status** |
| ***TC-001*** | Valid login | User has valid account | 1.Navigate to page.  2.Enter creds.**standard\_user**  3.Click on login button. | Re-directed to inventory page upon successful log in. | High | Incomplete |
| ***TC-002*** | Invalid login/blocked user. | Access to web browser | 1.Enter **locked\_out\_user** /incorrect creds.  2.Click on log in button. | Error page should load showing “failed to log in/incorrect user.” | High | Incomplete |
| ***TC-003*** | Add single item to cart | User has valid account. Cart should be empty. | 1.Enter credentials.  2.Click on log in button.  3.Add item to cart from inventory page. | Upon successful login should navigate to inventory page. User should be able to add an item from page to cart. | High | Incomplete |
| ***TC-004*** | Remove item from cart | User has valid account.  Cart should have item. | 1.Enter credentials.  2.Click on log in button.  3.Add item to cart from inventory page.  4.Click on button to remove from page. | Item should disappear from cart upon successful removal. | Medium | Incomplete |
| ***TC-005*** | Complete checkout Happy Path | Cart has ≥1 item; on Cart page. | 1. Click **Checkout**  2. Fill First Name = “Alex”, Last Name = “Jones”, Zip = “10001”; **Continue**  3. Verify totals; click **Finish** | Checkout complete page shows “Thank you for your order!” and order-placed graphic | High | Incomplete |
|  |  |  |  |  | High | Incomplete |
| ***TC-006*** | Checkout With Missing Zip | On Checkout Step 1 form. | 1. Leave Zip empty; click **Continue.** | Error: *“Error: Postal Code is required”* banner; focus stays on Zip field | Medium | Incomplete |
| ***TC-007*** | Sort Products – Price Low→High | On Inventory page | 1. Open sort dropdown → select “Price (low to high)” | First item price ≤ every subsequent item price; “Sauce Labs Onesie” ($7.99) appears first | Low | Incomplete |
| ***TC-008*** | Logout | Logged-in on any page | 1. Open burger menu (≡)  2. Click **Logout** | Redirect to Login page; session cleared (back button does not reopen inventory) | Medium | Incomplete |
| ***TC-009*** | Session Timeout (Simulated) | Logged in; dev-tools open | 1. Delete sessionStorage/LocalStorage entries. session-storage-key (or clear cookies)  2. Refresh page. | User bounced to Login page; no unauthorized data visible | Low | Incomplete |
| ***TC-010*** | Inventory Image Load | Logged in; throttling “Fast 3G” | 1. Observe product images while page loads | All six item thumbnails load < 10 s; broken-image icon not displayed | Low | Incomplete |
| ***TC-011*** | Accessibility – Tab Navigation | Logged in on Inventory page | 1. Press **Tab** repeatedly | Focus order follows visible layout; Add-to-Cart buttons reachable; no traps | Low | Incomplete |
| ***TC-012*** | Error Message Disappears on Fix | Start on Login page | 1. Attempt invalid login → see error  2. Click **X** on error banner | Banner closes; form fields stay visible and editable | Low | Incomplete |

***Test data quick reference***

| **User** | **Password** | **Expected outcome** |
| --- | --- | --- |
| **standard\_user** | **secret\_sauce** | Normal shopper |
| **locked\_out\_user** | **secret\_sauce** | Login blocked |
| **problem\_user** | **secret\_sauce** | Images swapped (good for visual bug test) |
| **performance\_glitch\_user** | **secret\_sauce** | Slower load (good for perf test) |