

# Test Execution Report

---

## SauceDemo E-Commerce Application

**Version: 1.0**

**Document Date: January 6, 2026**

**Prepared By: SouravDipto Apu**

# 1. EXECUTIVE SUMMARY

The manual testing cycle for the **SauceDemo (Swag Labs) E-Commerce Application** has been successfully completed across all major functional modules. A total of **54 test cases** were executed during this cycle, covering authentication, inventory management, cart functionality, checkout flow, system integration, and edge case scenarios.

During execution, **7 distinct defects** were identified. These include:

- **1 Critical**
- **2 High**
- **2 Medium**
- **2 Low** severity issues

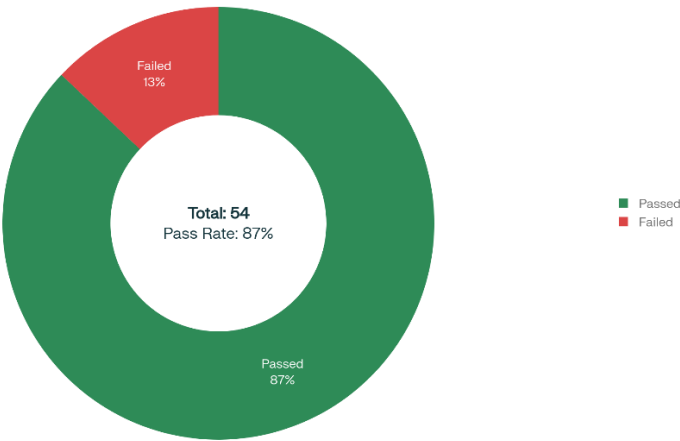
The identified defects impact both core user workflows and specific user personas, most notably the **problem\_user** and **performance\_glitch\_user** accounts.

## Overall Test Metrics

	Updated Value
Overall Status	CONDITIONALLY PASSED (Pending High/Critical defect resolution)
Total Test Cases Executed	54
Test Cases Passed	47 (87%)
Test Cases Failed	7 (13%)
Blocked	0
Pass Rate	87%

### Test Execution Results Summary (87% Pass Rate)

47 of 54 tests passed successfully

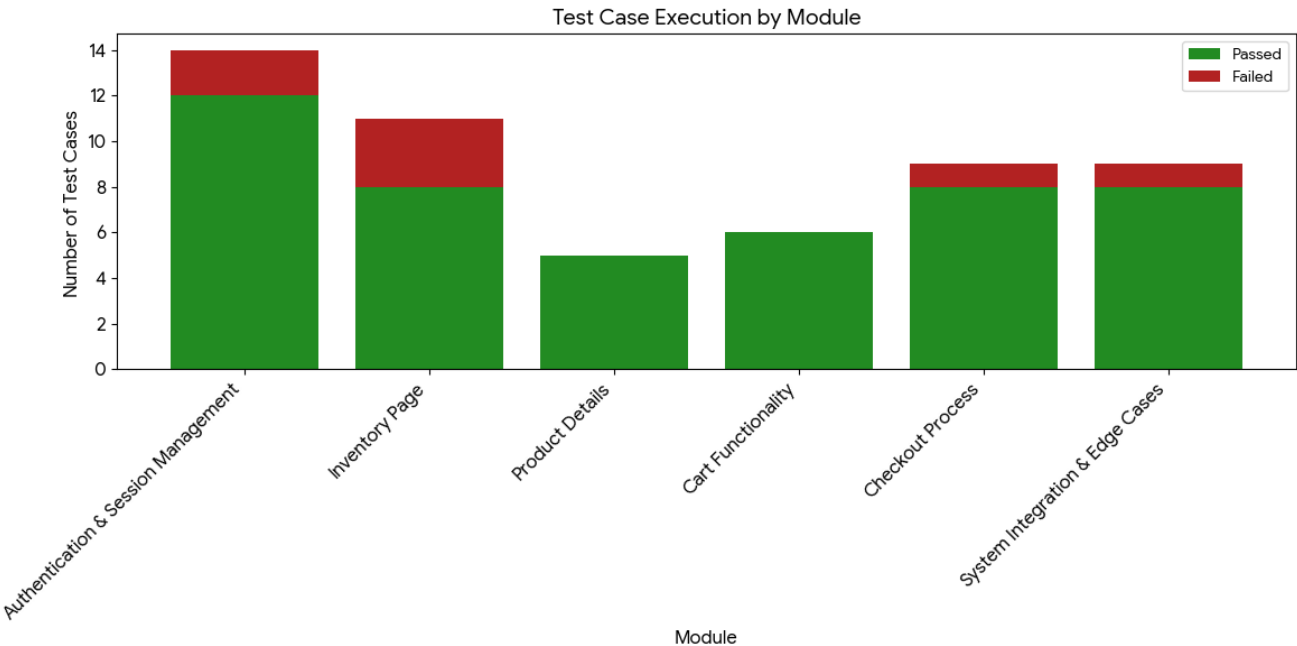


**Key Change from Previous Report:**

The defect count has increased from **2 to 7** following the execution of additional edge case and system integration test cases identified by the QA team.

## 2. EXECUTION SUMMARY BY MODULE

Module Name	Total TC	Passed	Failed	Pass Rate	Status
Authentication & Session Management	14	12	2	85.7%	Performance-related issues observed
Inventory Page	11	8	3	72.7%	Image loading and sorting failures
Product Details	5	5	0	100%	Pass
Cart Functionality	6	6	0	100%	Pass (intermittent badge issue observed)
Checkout Process	9	8	1	88.9%	Critical input field issue
System Integration & Edge Cases	9	8	1	88.9%	Pass (security validated)
GRAND TOTAL	54	47	7	87%	CONDITIONAL PASS

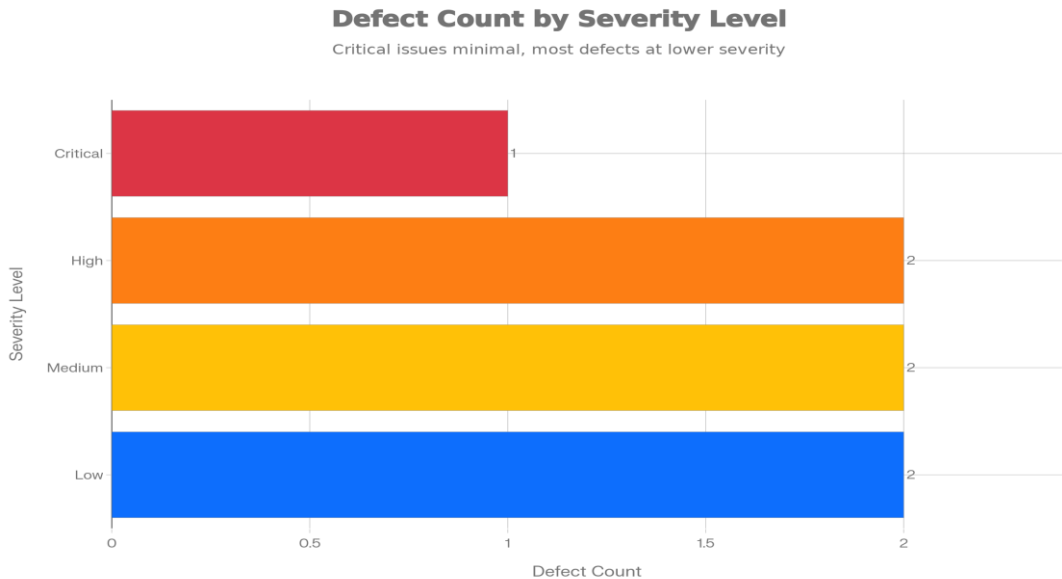


**Note:**  
The previous report covered 50 test cases. The scope was expanded to 54 test cases to include additional edge case and system integration scenarios.

### 3. DEFECT REPORT (7 DEFECTS IDENTIFIED)

#### Defect Summary

Bug ID	Severity	Status	Module	User Persona	Impact
BUG-001	High	Open	Inventory	problem_user	Image loading failure
BUG-002	Critical	Open	Checkout	problem_user	Checkout blocked
BUG-003	Medium	In Progress	Authentication	performance_glitch_user	UX latency without feedback
BUG-004	Medium	Assigned	Checkout	All users	Input validation gap
BUG-005	Medium	Open	Inventory	problem_user	Sorting non-functional
BUG-006	Low	Open	Inventory	visual_user	UI misalignment
BUG-007	Low	Cannot Reproduce	Cart	All users	Intermittent badge sync delay



## Defect 1: BUG-001 – Broken Product Images (problem\_user)

**Severity:** High

**Status:** Open

**Build:** v1.0.0 (Web)

**Module:** Inventory Page

**Related Test Cases:** TC\_AUTH\_003, TC\_INV\_015 – TC\_INV\_025

**User Persona:** problem\_user

### Description:

When logged in as *problem\_user*, all product images on the Inventory page fail to load and are replaced by a placeholder “Dog” image instead of the correct product images. This issue significantly impacts user experience and product discoverability.

### Steps to Reproduce:

1. Navigate to <https://www.saucedemo.com>
2. Login using username: problem\_user and password: secret\_sauce
3. Open the Inventory page
4. Observe product images

### Expected Result:

Each product displays its correct image (e.g., Backpack, Bike Light, Onesie).

### Actual Result:

All six product images are replaced with a placeholder “Dog” image.

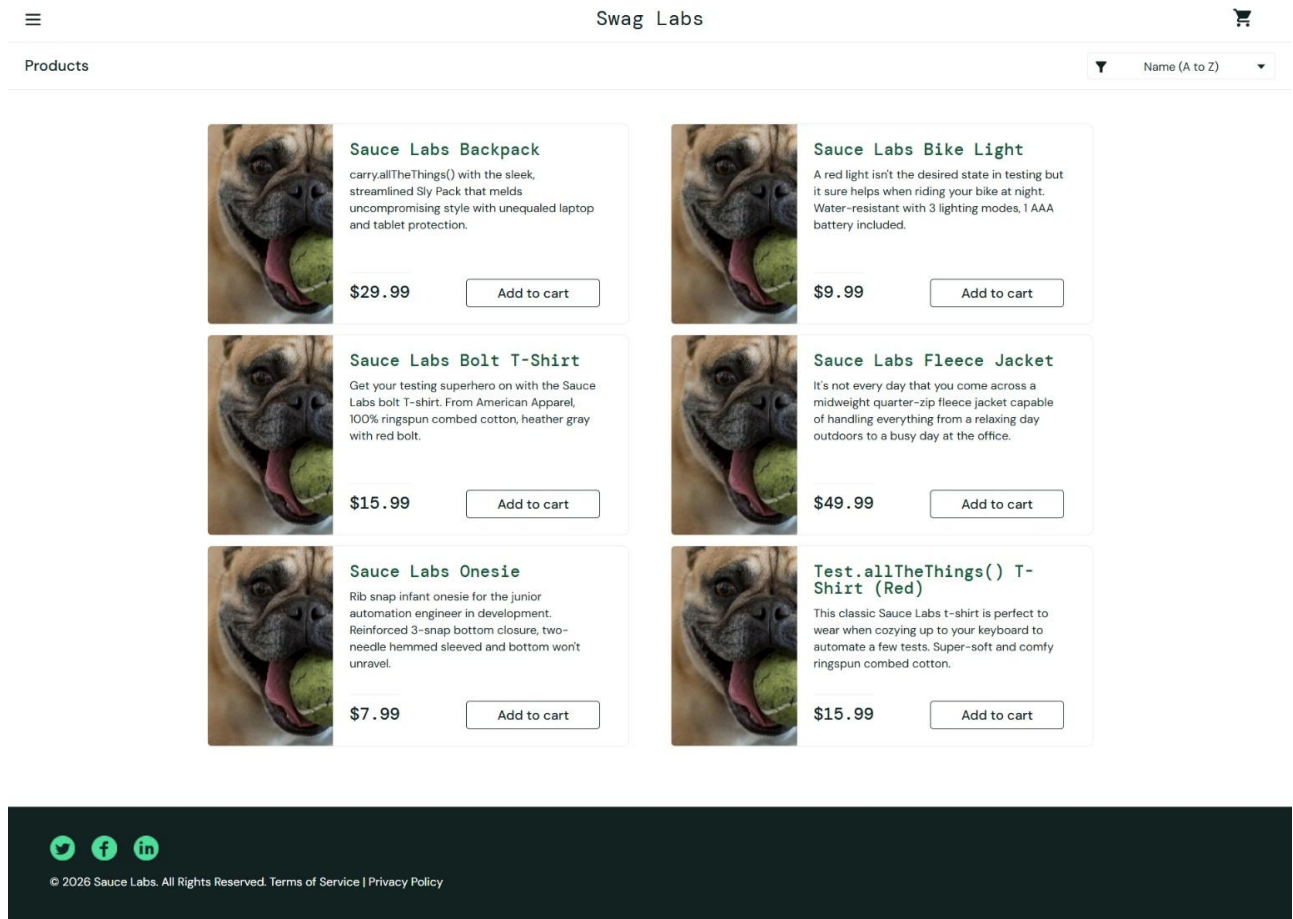
### Root Cause:

Image assets return a 404 or incorrect path mapping for the problem\_user session, likely due to server-side conditional logic.

### QA Comments:

Product images are critical for e-commerce usability and conversion. This defect should be resolved before release if this user persona is supported.

**Evidence:** Screenshot\_BUG\_001



## Defect 2: BUG-002 – Checkout Blocked Due to Disabled “Last Name” Field (problem\_user)

**Severity:** Critical

**Status:** Open

**Build:** v1.0.0 (Web)

**Module:** Checkout – Step One

**Related Test Cases:** TC\_CHK\_037 – TC\_CHK\_040

**User Persona:** problem\_user

### Description:

The “Last Name” input field on the Checkout Information page is disabled or unresponsive when logged in as problem\_user, preventing progression to the next checkout step.

**Expected Result:**

The field should be editable and accept user input.

**Actual Result:**

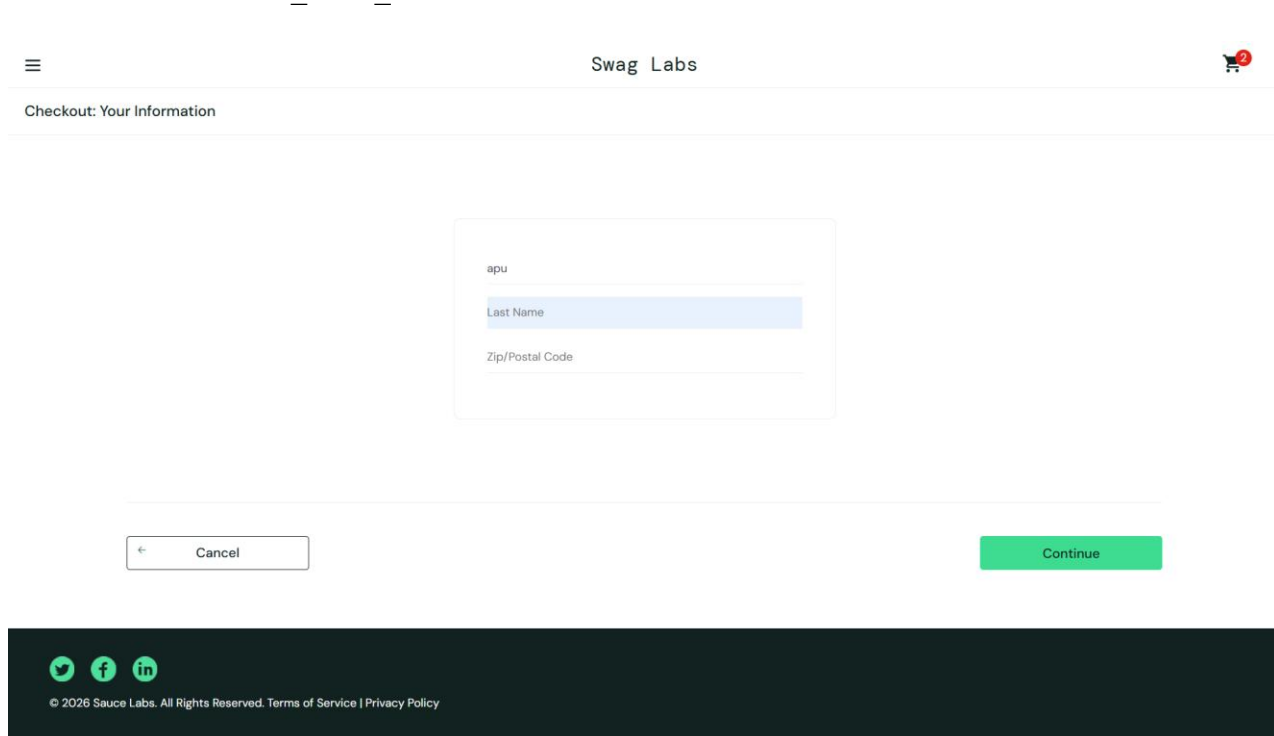
The field is disabled, blocking checkout completion.

**Root Cause:**

Conditional frontend logic or disabled attribute applied incorrectly for the problem\_user session.

**QA Comments:**

This is a critical blocker. Checkout cannot proceed for this user persona.

**Evidence:** Screenshot\_BUG\_002

## Defect 3: BUG-003 – Login Latency Without Loading Indicator (performance\_glitch\_user)

**Severity:** Medium

**Status:** In Progress

**Module:** Authentication

**Description:**

Login takes more than 5 seconds without any visual loading indicator, creating a perception that the application is unresponsive.

**QA Recommendation:**

Introduce a loading spinner or progress indicator during delayed operations.

The screenshot shows the Swag Labs checkout page. At the top, there is a navigation bar with a hamburger menu icon on the left, the text "Swag Labs" in the center, and a shopping cart icon with a red notification bubble containing the number "2" on the right. Below the navigation bar, the page title "Checkout: Your Information" is displayed. The main content area features a large, light gray rectangular box in the center, which contains a loading spinner. The spinner is a white circle with a black dot in the middle, and it is surrounded by three horizontal blue bars. The top bar is labeled "#\$@" and the bottom bar is labeled "rtrt46". Below the loading spinner, there are two buttons: a "Cancel" button on the left and a "Continue" button on the right. The "Continue" button is green and has the text "Continue" in white. At the bottom of the page, there is a dark gray footer bar. On the left side of the footer bar, there are three social media icons: Twitter, Facebook, and LinkedIn. To the right of the icons, the text "© 2026 Sauce Labs. All Rights Reserved. Terms of Service | Privacy Policy" is displayed.

## Defect 4: BUG-004 – Missing Input Validation for Name Fields

**Severity:** Medium

**Status:** Assigned

**Module:** Checkout – Step One

**Description:**

Name fields accept special characters and numeric values without validation.

**QA Recommendation:**

Restrict input to alphabetic characters using client-side validation.



# Defect 5: BUG-005 – Sorting Not Functional (problem\_user)

**Severity:** Medium

**Status:** Open

**Module:** Inventory

**Description:**

Sorting options do not reorder products for problem\_user.

---

# Defect 6: BUG-006 – UI Misalignment on Product Card

**Severity:** Low

**Status:** Open

**Module:** Inventory UI

**Description:**

“Add to Cart” button overlaps with price text on certain resolutions.

---

# Defect 7: BUG-007 – Cart Badge Sync Delay (Intermittent)

**Severity:** Low

**Status:** Cannot Reproduce

**Module:** Cart

**Description:**

Cart badge does not always update immediately after item removal.

---

# 4. ENVIRONMENT DETAILS

Parameter	Details
Application URL	<a href="https://www.saucedemo.com">https://www.saucedemo.com</a>
Application Version	v1.0.0 (Web)
Operating System	Windows 10 Pro (64-bit)
Browser Coverage	Chrome, Firefox, Edge
Test Execution Date	January 6, 2026
Test Type	Manual Functional & Integration Testing

## 5. TESTING NOTES & OBSERVATIONS

- Authentication and session security function correctly.
- SQL injection and XSS mock tests passed.
- Cart data persists using LocalStorage.
- problem\_user experiences multiple cascading functional failures.
- performance\_glitch\_user shows intentional latency without UX feedback.

## 6. SEVERITY & PRIORITY ASSESSMENT

Critical and High severity defects must be resolved before release. Medium and Low severity defects can be addressed in subsequent sprints.

## 7. RECOMMENDATIONS

**Release Status:** CONDITIONALLY APPROVED

**Blocking Defects (Pre-Release):**

- BUG-002 (Critical)
- BUG-001 (High)
- BUG-005 (High)

**Post-Release Improvements:**

- Loading indicators
- Input validation
- UI alignment fixes
- Cart badge synchronization review

## 8. CONCLUSION

The SauceDemo application demonstrates stable core functionality for the standard\_user persona, achieving an **87% overall pass rate**. However, **Critical and High severity defects** affecting the problem\_user persona must be resolved before full release approval.