

Test Execution Report

SauceDemo E-Commerce Application

Version: 1.0

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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

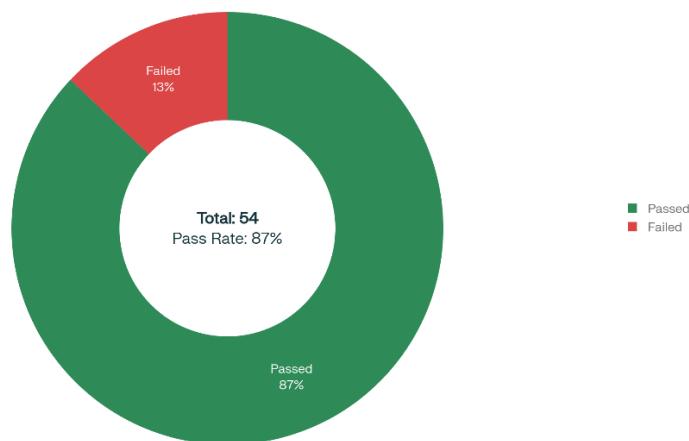
The identified defects impact both core user workflows and specific user personas, most notably the **problem_user** and **performance_glitch_user** accounts.

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.

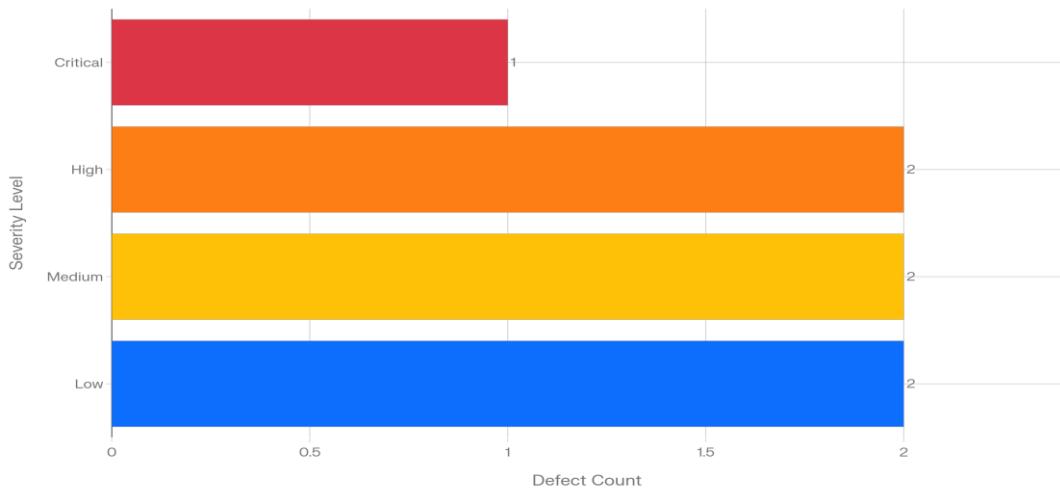
3. DEFECT REPORT (7 DEFECTS IDENTIFIED)

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 Count by Severity Level

Critical issues minimal, most defects at lower severity



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



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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:

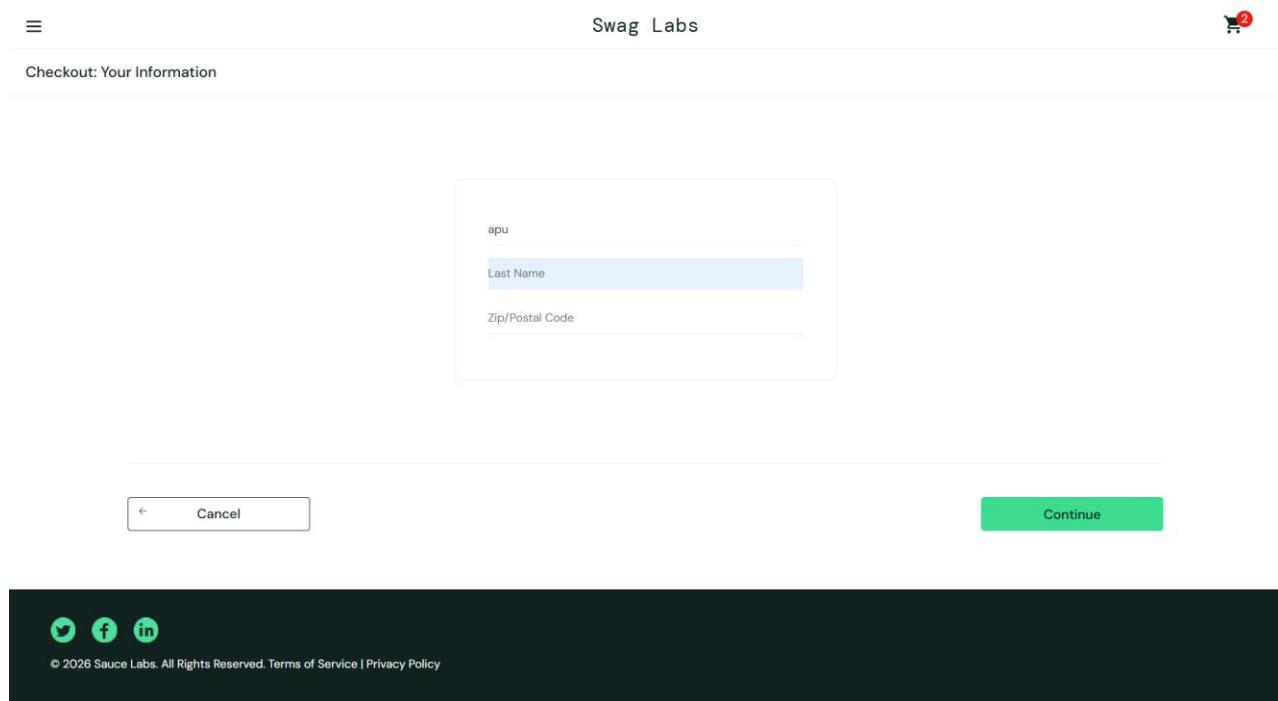
The field is disabled, blocking checkout completion.

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

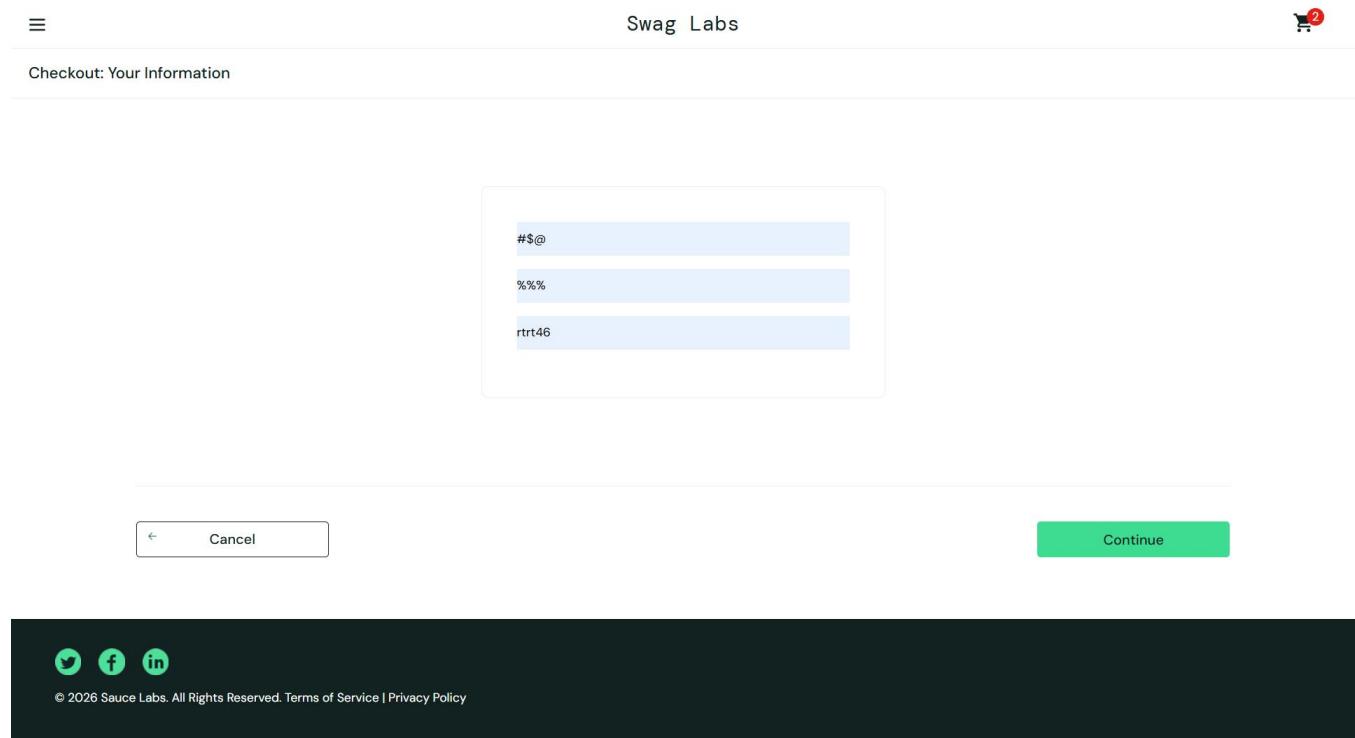
Module: Authentication

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.



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	https://www.saucedemo.com
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.