Test Summary Report

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1. Executive Summary

This Test Summary Report presents the overall results of testing activities performed on the DemoBlaze E-Commerce Website (v1.0). The QA team focused on validating core business workflows, ensuring functional accuracy across multiple browsers, analyzing performance using GTmetrix, and confirming defect resolution. Testing demonstrated that the system is stable, business-critical flows function as expected, and the application is ready for release with only minor UI issues pending for the next sprint.

2. Project Information

Project Name	DemoBlaze E-Commerce Website
Release Version	v1.0
Tested By	Kalpana (QA Engineer)
Test Manager	-
Test Duration	20 Aug 2025 – 27 Aug 2025
Environment	Staging / UAT

3. Objectives

- Validate critical business flows: registration, login, product browsing, add to cart, checkout, and payment.
- Ensure functional accuracy across Chrome, Firefox, and Edge.
- Measure performance using GTmetrix.
- Verify defect resolution and stability before release.

4. Scope of Testing

- **In Scope:** Functional, Smoke, Sanity, Regression, Cross-Browser Testing, Performance (via GTmetrix).
- **Out of Scope:** Security Testing, Load/Stress Testing.

5. Entry & Exit Criteria

Entry Criteria:
- Test environment (UAT/Staging) setup completed.
- Application build deployed successfully.
- All required test cases prepared and reviewed.
- Access to JIRA for defect logging confirmed.
- Test data for registration, login, and payment available.

Exit Criteria:
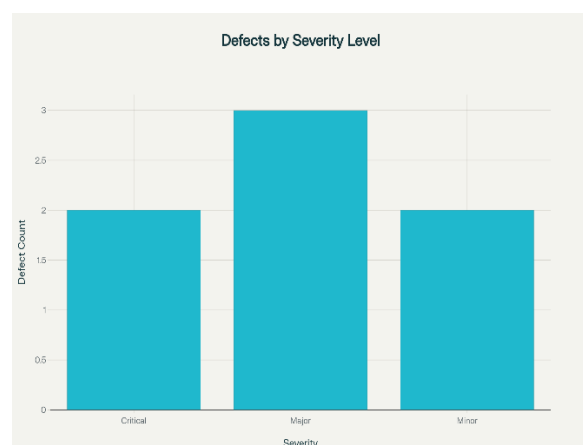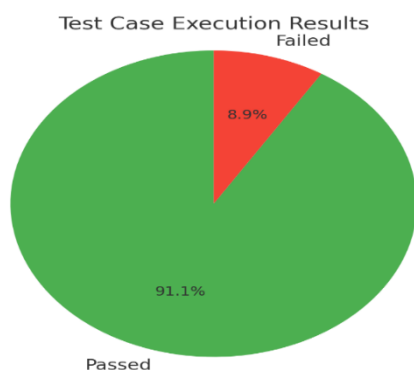- All planned test cases executed (100%).

- All critical and major defects fixed & re-tested.
- No blocker or critical defects remain open.
- Test Summary Report prepared and shared with stakeholders.
- Product Owner approval obtained for release.

6. Test Metrics

Total Test Cases Designed	45
Total Test Cases Executed	45
Test Cases Passed	36
Test Cases Failed	9
Test Cases Blocked/Not Executed	0
Defects Logged in JIRA	7
Defects Closed/Resolved	6 (1 Pending)

7. Defect Summary

Defect ID	Severity	Status	Module
DEMO-101	Critical	Resolved	Checkout – Payment not processed with valid card
DEMO-102	Major	Resolved	Login – Incorrect error message for invalid credentials
DEMO-103	Major	Resolved	Cart – Item count not updating after removal
DEMO-104	Minor	Open	UI – Product image overlapping on mobile view
DEMO-105	Critical	Resolved	Registration – Sign-up allowed blank email field
DEMO-106	Major	Resolved	Add to Cart – Duplicate entries when clicking twice
DEMO-107	Minor	Resolved	Checkout popup misaligned in Firefox

Test Case Execution Results

Failed — 8.9%
Passed — 91.1%

Defects by Severity Level

8. Test Environment Details

- **Environment Type:** UAT (Staging)
- **URL:** https://www.demoblaze.com
- **Browsers Tested:** Chrome 118, Firefox 118, Edge 115
- **Tools Used:** JIRA (Bug Tracking), GTmetrix (Performance), Postman (API Testing)

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9. Risks & Mitigation

- **Open Defect:** 1 Minor UI issue pending (mobile layout misalignment).
- **Risk:** Low, does not impact checkout/payment functionality.
- **Mitigation:** Planned fix in next sprint release.

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10. Test Results & Quality Status

- **Business Flow Status:** All critical flows (registration, login, add to cart, checkout, payment) passed successfully.
- **System Stability:** Acceptable.
- **Performance Results (GTmetrix):**
    - LCP: 2.3s (Good)
    - TBT: 120ms (Good)
    - CLS: 0.05 (Good)

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11. Performance Testing Evidence

- The homepage was analyzed using GTmetrix.
- Performance: 96% | Structure: 98% | Fully Loaded Time: 744ms.
- Key Issues Found:
    - Missing width/height on 10 images.
    - Inefficient cache policy.
    - Slightly high CLS (0.11).

12. Recommendations

- Application is **ready for release** with no critical/blocker defects. One **minor UI defect (image overlap on mobile)** to be fixed in the next release cycle.

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13. Approval

Prepared By (QA)	Kalpana
Reviewed By (QA Lead)	-
Approved By (Stakeholder)	Product Owner

14. Annexures

Annexure-1: GTmetrix Full Report Screenshots: