**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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  | | --- | --- | --- | --- | | 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 | |  |  |  |

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# 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)

# 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.

# 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)

# 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.

# 13. Approval

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

# 14. Annexures

**Annexure-1:** GTmetrix Full Report Screenshots:

