**Test Summary Report – OpenCart (Front-end)**

**Project Name**: OpenCart

**Testing Cycle**: Release 1.0

**Report Date**: August 28, 2024

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1. **Introduction**

This test summary report provides an overview of the testing activities conducted for the OpenCart Project Release 1.0. It includes details about the scope of testing, test coverage, key findings, and an assessment of the software quality.

1. **Test Objectives**

* To verify that all functionalities of the OpenCart Project Release 1.0 meet the specified requirements.
* To identify and document any defects or issues in the software.
* To ensure that the software is ready for release to production.

1. **Scope of Testing**

**Modules Tested:**

* Register
* Login
* Logout
* Search
* Product Compare
* Product Display Page
* Add to Cart
* Wish List
* Shopping Cart
* Home Page
* Checkout

**Types of Testing Conducted:**

* Functional Testing
* Re-testing
* Regression Testing
* Graphical User Interface (GUI) Testing
* Usability Testing

1. **Test Coverage**

**Total Test Cases Executed: 232**

* Passed: 205
* Failed: 20
* Blocked: 7

**Test Coverage by Module:**

* Register: 100%
* Login: 100%
* Logout: 90%
* Search: 90%
* Product Compare: 95%
* Product Display Page: 100%
* Add to Cart: 95%
* Wish List: 90%
* Shopping Cart: 100%
* Home Page: 90%
* Checkout: 100%

1. **Defect Summary**

**Total Defects Logged: 20**

* Critical: 1
* Major: 12
* Minor: 7

**Defect Status:**

* Open: 5
* Fixed: 20
* Closed: 5

**Top Defects:**

* Critical Defect: System crash when processing high-volume transactions (Fixed).
* Major Defect: Incorrect calculation in the financial report (Fixed).
* Minor Defect: UI alignment issues on the user profile page (Fixed).

1. **Key Findings**

**Positive Observations:**

* All critical functionalities were successfully tested and passed.
* GUI and usability feedback from users generally positive.

**Areas of Concern:**

* The Shopping Cart module experienced critical defects.
* Some minor UI issues were identified that need to be addressed in future releases.

1. **Test Metrics**

* **Defect Density**: NA
* **Test Case Pass Rate**: 88% (205 passed / 232 executed)
* **Test Case Fail Rate**: 8% (20 failed / 232 executed)
* **Test Case Block Rate**: 3% (7 blocked / 232 executed)

1. **Recommendations**

* Fix all remaining open defects before the final release.
* Plan for a minor UI/UX enhancement cycle based on GUI and usability feedback.
* Schedule a regression testing after fixing the defects to ensure no new issues introduced.

1. **Conclusion**

The testing activities for OpenCart Project Release 1.0 have been completed with a high pass rate and satisfactory defect resolution. The software is deemed ready for release to production, provided the remaining open defects are resolved and verified. Overall, the software quality is acceptable, with recommendations for minor improvements in subsequent releases.

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