### **Test Plan for OpenCart Demo E-commerce Website**

#### **1. Introduction**

**1.1 Purpose**To outline the strategy and approach for testing the "Shopping Cart" functionality on the OpenCart demo e-commerce website, ensuring its functionality, performance, and usability meet the defined requirements.

**1.2 Scope**Testing includes the Shopping Cart functionality, including navigation, information accuracy, and usability.

**1.3 Objectives**

* Verify that the "Shopping Cart" feature meets all functional requirements.
* Ensure the feature is free of critical and major defects.
* Validate the usability and ease of navigation.
* Confirm compatibility across different devices and browsers.

#### **2. Test Strategy**

**2.1 Types of Testing**

* **Functional Testing:** Ensure all features within the Shopping Cart functionality work as intended.
* **Usability Testing:** Evaluate the user interface and experience.
* **Compatibility Testing:** Confirm the application works across various devices and browsers.
* **Regression Testing:** Verify that new changes don’t negatively affect existing functionality.
* **Performance Testing:** Assess the application's responsiveness and stability under load.

**2.2 Testing Tools**

* Functional Testing: Manual Testing
* Usability Testing: Heuristic Evaluation

#### **3. Test Scope**

**3.1 Features to be Tested**

* **Link Navigation**: Verify that all links on the homepage correctly navigate to the intended pages.
* **Information Accuracy**: Check that the information displayed is accurate and up-to-date.
* **Information Update**: Test the feature to ensure that users can add, update and remove their Shopping Cart correctly.

**3.2 Features Not to be Tested**

* Integration with third-party services.

#### **4. Test Environment**

* **Hardware**: User Devices (Desktop, Mobile)
* **Software**: Operating Systems (Windows, macOS, iOS, Android), Browsers (Chrome, Firefox, Safari, Edge)

#### **5. Test Schedule**

* **Test Planning**: 28-08-2024
* **Test Case Design**: 29-08-2024
* **Test Execution**: 30-08-2024
* **Test Closure**: 31-08-2024

#### **6. Test Deliverables**

* Test Plan Document
* Test Cases
* Test Execution Reports
* Defect Reports
* Final Test Summary Report

#### **7. Roles and Responsibilities**

**7.1 Test Manager:**

* Oversee test planning and execution
* Coordinate with stakeholders
* Review and approve test deliverables

**7.2 Test Engineers:**

* Design and execute test cases
* Report and track defects
* Collaborate with the development team

**7.3 Product Owner:**

* Provide requirements and clarify doubts
* Validate test results and provide feedback

**# Entry and Exit Criteria**

**Entry Criteria**

1. Requirements Documentation: All requirements and specifications for the Shopping Cart are complete and approved.

2. Test Environment The test environment is set up and configured, including necessary hardware, software, and network configurations.

3. Test Data: All required test data is prepared and available.

4. Test Cases Test cases are written, reviewed, and approved.

5. Access: Testers have access to the home page and all related resources

**Exit Criteria**

1. Test Case Execution: All planned test cases have been executed
2. Defect Resolution All critical and high-priority defects have been identified, documented, and resolved
3. Test Summary Report: A test summary report has been prepared, reviewed, and approved.
4. User Acceptance. The home page has been reviewed and accepted by stakeholders.
5. Performance Metrics: Performance metrics meet the defined acceptance criteria

#### **8. Risk and Mitigation**

* **Incomplete Requirements**: Regular review sessions with stakeholders.
* **Environment Issues**: Ensure stable test environments.
* **Testing Delays**: Prioritize critical test cases.

#### **9. Approval**

* **Test Plan Prepared by**: ***Gupta Mohit***
* **Approved by**: ***Shiva Kumar MG***
* **Date of Approval**: 31-08-2024