### **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**: [Date]
* **Test Case Design**: [Date]
* **Test Execution**: [Date]
* **Test Closure**: [Date]

#### **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

#### **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