**OpenCart - Test Plan Document** 

Test Plan Document

For

**OpenCart**

Dec 2023

**Table Of Content**

1. **Introduction…………………………………………………………………………….**
2. **Test Items…………………………………………………………………………….**
3. **Features to be tested…………………………………………………………………………….**
4. **Features Not to be tested…………………………………………………………………………….**
5. **Test Environment…………………………………………………………………………….**
6. **Tools …………………………………………………………………………….**
7. **Test Schedule…………………………………………………………………………….**
8. **Test Approach/Strategy…………………………………………………………………………….**
9. **Defect Reporting Procedure…………………………………………………………………………….**
10. **Test Completion Criteria…………………………………………………………………………….**
11. **Risks and Mitigation…………………………………………………………………………….**
12. **Approvals……………………………………………………………………………………**
13. **Test Deliverables…………………………………………………………………………**
14. **Introduction:**

This test plan is for the E-Commerce Application OpenCart, version 1.0 The objective of this testing that the application meets the requirements and is free of defects. This documents serves as high level test planning documents with details on the scope of the projects, test strategies, test schedule, resource and test deliverables.

1. **Test Items:**

* E-Commerce Application: OpenCart, version 1.0

1. **Features to be tested:**

* Register
* Login and Logout
* Forget Password
* Search
* Product Compare
* Product Display Page
* Add to Cart
* Wish List
* Shopping Cart
* Currencies
* Home page
* Checkout Page
* My Account Page
* Order History Page
* Download Page
* Contact us Page
* Menu Options

As per the understanding, we believe above functional areas need to be Tested.

1. **Features Not to be Tested:**

* Features not mention in the section 3, “ feature to be tested” we not be tested
* Payment Gateway will be tested.
* Automation tested is not in scope.

1. **Test Environment:**

* Operating System: Window 10
* Browser: Google Chrome, Firefox, Edge

1. **Tools:**

Following tools will be used in this product

* Word and Excel documents

1. **Test Schedule:**

* Test Planning: Start Date {20 /12 /2023 } – End Date { 20 /12 /2023 }
* Test Case Development: Start Date { 21 /12 /2023 } – End Date { 27 /12/2023}
* Test Execution: Start Date {28 /12 /2023 } – End Date {05 /01/2024 }
* Test Closure: {06/01/2024}

1. **Test Approach/Strategy**

Manual testing will be used to test all the features/functionalities of the OpenCart application. As a part of functional testing. Following approach will be followed.

**Step#1-** Creation Of Test Scenarios and Test Cases for the different features in scope

{ refer section 3. Features to be tested}

* We will apply several test Designing techniques while creating Test Cases
  + - * + Equivalence Class Partition(ECP)
        + Boundry Value Analysis(BVA)
        + Decision Table Testing
        + State Transition Testing
        + Use Case Testing
      * We also use our expertise in creating test cases by applying the below
        + Error Guessing
        + Exploratory Testing
* We priorities the test cases

**Step#2 -**  Our Testing process, when we get an Application for testing:

* Firstly, we will perform smoke testing to check whether the different and important functionalities of the application are working
* We reject the build, if the smoke testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
* Once we receive a stable build, which process Smoke Testing, which passes Smoke testing, we perform in depth testing the test Cases created.
* Multiple test resources will be testing the same application on multiple Supported Environments simultaneously.
* We then report the bugs in bug tracking tool and send dev. Management the defect found on that day in a status end of the day email.
* As part of the Testing, we will perform the below types of Testing.

Smoke Testing and Sanity testing

Regression Testing and Retesting

Usability Testing, Functionality & UI Testing

* + - * We repeat Test Cycles until we get the quality product

**Step#3-** We will follow the below best practices to make our Testing better:

* + - * Context Driven Testing – We will be performing Testing as per the context of the given application.
      * Shift Left Testing- We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.
      * Exploring Testing- Using our expertise we will perform Exploratory Testing, apart from the normal execution cases.

1. **Defeat Reporting Procedure:**

During the test execution-

* Any deviation from expected behaviour/result by the application will be noted. If it can’t be reported as a defect, it would be reported as an observation/issue or posed as a question.
* Any usability issues will also be reported
* After discovery of a defect, it will be retested to verify reproducibility of defect
* Screenshots are steps to reproduce are documented
* Every day , at the end of test execution ,defects encountered will be sent along with observation

Note:

* defects will be documented in excel
* Test scenario and test cases will be documented in excel document

1. **Test Completion Criteria:**

* All the identified defects must be fixed and verified
* All the test cases must be executed and passed
* All the test deliverables must be completed and submitted

1. **Risk and mitigations**

The following are the list of risks possible and the ways to mitigate them:

1. **Risk**: non- availability of resources

Mitigation: plan for backup resource

1. **Risk**: build url is not working

Mitigation: resources will work on other task

**13**. **Approvals:**

Following documents needs client’s approval

* Test plan
* Test scenarios
* Test reports
* Reports

Testing will only continue to the next steps once these approvals are done

1. **Test deliverables**:

* Test cases
* Test reports
* Defect reports