**Test Plan Document**

**For**

**Opencart**

**March 10**

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# **1. Introduction**

### This test plan is for the E-commerce Application Opencart version 1.0. The objective of this testing is to ensure that the application meets the requirements and is free of defects. This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule, resource requirements and test deliverables.

# **2. Test Items**

# E-commerce Application: OpenCart, Version 1.0

# **3. Features to be Tested**

The following features will be tested:

* Register
* Login & Logout
* Forgot Password
* Search
* Product Compare
* Add to Cart
* Wish List
* Shopping Cart
* Currencies
* Home Page
* Checkout Page
* My account Page
* Order History Page
* Downloads Page
* Contact Us Page
* Menu Options
* Footer Options
* Category Pages

As per our understanding, we believe above functional areas need to be tested.

# **4. Features Not to be Tested**

The following features are out of scope for this test plan:

* Performance, security, or automation testing.
* Admin panel functionalities.

# **5. Test Environment**

* **Platform**: Web browser (e.g., Google Chrome).
* **URL**: <http://demo.opencart.com/> (OpenCart demo site).
* **Operating system: Windows 10**

# **6. Tools**

* **Execution**: Google Chrome
* **Documentation**: Google Docs or Microsoft Word for recording test results.
* **Bug Tracking**: Excel

# **7. Test Schedule**

* **Test planning: Start Date (dd/mm/yy)- End date (dd/mm/yy)**
* Test Case Development: **Start Date (dd/mm/yy)- End date (dd/mm/yy)**
* Test Case Execution: **Start Date (dd/mm/yy)- End date (dd/mm/yy)**
* Test Closure: Date

# 

# **8. Test Responsibilities**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Resposibilities** |
| Mr/Ms | Test Lead | Create the Test Plan,Report defects,Coordinate with the execution |
|  | Test Engineer | Interact with the application, Create and Execute the Test Cases, Report defects |
|  | Developer | Bug fixing and providing support during testing |
|  | Server Admin | Responsible for maintain the test environment |

# **9. Test Approach/Strategy**

**Manual testing will be used to test all the features/funtionalities of the Opencart application. As a part of functional testing, following approach will be followed.**

Step 1: Creating of Test Scenarios and Test Cases for the different features in scope.

* We will be applying several Test Designing Techniques while creating Test Cases:
* Equivalence Class Partition
* Boundary Value Analysis
* Decision Table Testing
* State Transition Testing
* Use Case Testing

Step 2: Testing process after getting of an application:

* Firstly, perform Smoke Testing to check whether the different important functionalities of the application are working.
* Reject the build, if the Smoke Testing fails and wait for the stable build before performing in depth testing of the application functionalities.
* Perform the test on multiple environments
* Report the bug in bug tracking tool and send email on the end of the day for the defect found.
* Different types of testing will be performed:
* Smoke testing and Sanity testing
* Regression Testing and Retesting
* Usability Testing, Functionality and UI testing

# **10. Defect Reporting Process**

* **Process**: If a test fails, log a defect manually.
* **Format**:
  + **Bug ID**: [e.g., BUG-01]
  + **Test Case ID**: [e.g., TC-H04]
  + **Description**: [e.g., “Blank search shows all products”]
  + **Steps to Reproduce**: [e.g., “1. Go to home page. 2. Leave search blank. 3. Press Enter.”]
  + **Expected Result**: [e.g., “Error message appears”]
  + **Actual Result**: [e.g., “All products displayed”]
  + **Severity**: [Low/Medium/High]
* **Action**: Record defect in Excel.

# 

# **11. Entry & Exit Criteria of STLC Phases**

# 

|  |  |  |
| --- | --- | --- |
| **STLC Phase** | **Entry** | **Exit** |
| Requirement Analysis | Once the testing team receives the Requirement Document about the project | List of Requirements are explored and understood by the testing team |
| Test Planning | Testable Requirements derived from the given Requirement Document/project details | Test plan document signed off by the client |
| Test Design | Test plan document signed off by the client | Test Scenarios and Test Cases Documents are signed off by the client |
| Test Execution | Test Scenarios and Test Cases Documents are signed off by the client. Application is ready for testing. | Test case Report and Defect Reports are ready. |
| Test Closure | Test case Report and Defect Reports are ready. | Test Closure Report |

# **12. Test Completion Criteria**

* Testing is complete when:
  + 100% of test cases are executed.
  + All defects are logged and reviewed.

# **13. Risks and Mitigations**

* **Risks**:
  + Non-availability of the resource
  + Build URL is not Working
* **Mitigations**:
  + Backup plan for backup resources.
  + Resources will work on other tasks

# **14. Approvals**

* **Following Documents needs client’s approval:**
  + Test plan
  + Test scenarios
  + Test Cases
  + Reports

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

#### **15. Test Deliverables**

* Test cases with execution results (Pass/Fail).
* Bug reports (if any defects are found).
* Summary of testing experience (e.g., lessons learned, optional reflection).