

TEST PLAN

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**REVIEW HISTORY**

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| --- | --- | --- | --- | --- | --- |
| **Versions** | **Author** | **Reviewed by** | **Approved by** | **Comments** | **Status** |
| 1.1 | Kavya K B |  |  |  |  |

1. **INTRODUCTION**

As part of the project, ‘OpenCart’ asked Kavya to test few functionalities of ‘https://demo.opencart.com/” web application. This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

1. **SCOPE**

The scope of the project includes testing the following features of ‘https://demo.opencart.com/’ web application.

**Features need to be tested :**

* Register
* Login & Logout
* Forgot 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
* Downloads Page
* Contact Us Page
* Menu Options
* Footer Options
* Category Pages

**Features need not to be tested:**

* Any features added later
* Automation

1. **OBJECTIVE**

The objective of the test plan for the OpenCart application is to ensure the functionality, reliability, and performance of the e-commerce platform while maintaining a seamless and secure user experience.

1. **TEST METHADOLOGY**

The test methodology explains how to thoroughly test the OpenCart application step by step, making sure its features work properly and provide a good user experience by doing different types of testing.

**4.1 Testing Levels:**

* **Unit Testing**: Testing the individual components thoroughly in the OpenCart software.
* **Integration Testing**: Testing the dataflow between the module in the OpenCart software.
* **System Testing**: Testing the end-to-end flow of the OpenCart Software

**4.2** **Testing Types:**

* Smoke testing, Sanity testing, integration testing, component testing, system testing, Adhoc testing, Regression testing, retesting, Usability testing, GUI testing, Globalization testing.

**4.3 Testing Technique:**

* Manual Testing

1. **TEST APPROACH:**

The testing approach for OpenCart explains how to thoroughly check the application's features, performance, and ease of use to ensure it works well and meets business and user needs. The goal is to create a reliable and smooth e-commerce platform.

* Requirement analysis
* Test Planning
* Test Case Development
* Test Case Execution
* Defect tracking and reporting
* Test Closure

1. **ASSUMPTION**

* Resources may be not available after start testing.
* Technology may be not available after start testing.
* Development Team may not available after start testing.
* Knowledge Transfer may not done properly.
* Supporting document not prepared properly.

1. **RISKS**

* If our assumption fails then we will be under risks.

1. **MITIGATION PLAN**

* We have to prepare the backup plan for all the assumption, if it failed we use our backup plan.

1. **ROLES AND RESPONSIBILTY**

|  |  |  |
| --- | --- | --- |
| **Name** | **Roles** | **Responsibilities** |
| Person A | Test Manger | * Escalations |
| Person B | Test Lead | * Create the Test Plan and get the client signoffs. * Interact with the application, create and execute the test cases. * Report defects. * Coordinate the test execution. Verify validity of the defects being reported. * Submit daily issue updates and summary defect reports to the client. * Attend any meeting with client. |
| Person C | Test Engineer | * Interact with the application * Prepare Test Plan * Execute the Test cases. * Report defects |

1. **SCEDULING**

Following is the test schedule planned for the project:

|  |  |
| --- | --- |
| **Tasks** | **Duration** |
| Creating Test Plan | Start date and End date |
| Test Case Creation | Start date and End date |
| Test Case Execution | Start date and End date |
| Summary Reports Submission | Date |

1. **DEFECT TRACKING**

During the test execution :

* Any deviation from expected behaviour by the application will be noted. If

it can’t be reported as a defect, it’d 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

the defect. Screenshots with steps to reproduce are documented.

* Every day, at the end of the test execution, defects encountered will be

sent along with the observations.

**Defect documentation Tool:**

* Defects will be documented in a google sheet.
* Test scenarios and Test cases will be documented in an google sheet document.

1. **TEST ENVIRONMENT / TEST BED**

* Windows 11 – Chrome, Firefox and Edge
* Android Mobile OS – Chrome

1. **ENTRY AND EXIT CRITEREA**

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

**Requirement Analysis**

Entry Criteria:

* Once the testing team receives the Requirements Documents or details about the Project

Exit Criteria:

* List of Requirements are explored and understood by the Testing team
* Doubts are cleared

**Test Planning**

Entry Criteria:

* Testable Requirements derived from the given Requirements Documents or Project details
* Doubts are cleared

Exit Criteria:

* Test Plan document (includes Test Strategy) is signed-off by the Client

**Test Designing**

Entry Criteria:

* Test Plan Document is signed-off by the Client

Exit Criteria:

* Test Scenarios and Test Cases Documents are signed-off by the Client

**Test Execution**

Entry Criteria:

* Test Scenarios and Test Cases Documents are signed-off by the Client
* Application is ready for Testing

Exit Criteria:

* Test Case Reports, Defect Reports are ready

**Test Closure**

Entry Criteria:

* Test Case Reports, Defect Reports are ready

Exit Criteria:

* Test Summary Reports

1. **TEST AUTOMATION**

Not applicable, for this OpenCart Application we are doing only Manual Testing technique.

1. **DELIVERABLES**

|  |  |
| --- | --- |
| **Deliverables documents** | **Date of Submission** |
| Test Plan document | Date |
| Test Case document | Date |
| Traceability matrix document | Date |
| Test Case Execution document | Date |
| Defect Tracking Report document | Date |
| Test Summary Report document | Date |

1. **TEMPLATES**

|  |  |
| --- | --- |
| **Template name** | **Document Link** |
| Test Plan template |  |
| Test Case template |  |
| Traceability matrix template |  |
| Test case execution report template |  |
| Defect report template |  |

**REFRENCE DOCUMENTS:**

1. CRS document
2. SRS document
3. FS document
4. Design document
5. Use Case document