|  |  |
| --- | --- |
| Document Name | Test Plan |
| Project Name | Open cart |
| Prepared by | Divyapreethy |
| Approved by |  |
| Created on | 30.11.2023 |

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**Overview**

Inthis documents includes how to test the functionalities of the web application <https://demo.opencart.com/>

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.

**Scope**

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

**Inclusions**

• 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

**Test Environment**

• Theoperating systems that will be used for testing, such as Windows 10

• The browsers that will be used for testing such as Google Chrome, Mozilla Firefox, or Microsoft Edge.

• The network connectivity and bandwidth that will be available for testing, such as Wi-Fi, cellular, or wired connections.

**Exclusions**

All the features except that are mentioned under Inclusions

**Test Strategy**

Step 1 – Creation of Test Scenarios and Test Cases for the different features in scope.

• We will apply several Test Designing techniques while creating Test Cases

o Equivalence Class Partition

o Boundary Value Analysis

o Decision Table Testing

o State Transition Testing

• We prioritise 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 passes Smoke Testing, we perform in depth testing using the Test Cases created.

• We then report the bugs in bug tracking tool and send to developer, 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:

o Smoke Testing and Sanity Testing

o Regression Testing and Retesting

o Usability Testing, Functionality & UI Testing

• We repeat Test Cycles until we get the quality product.

**Defect Reporting Procedure**

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

• The steps for reporting a defect, such as using a designated template, providing detailed reproduction steps, and attaching screenshots or logs.

• Thetools and systems that will be used for tracking and managing defects, such as a defect tracking software or a project management tool.

• Every day, at the end of the test execution, defects encountered will be sent along with the observations.

**Test Schedule**

Following is the test schedule planned for the project

|  |  |
| --- | --- |
| **Task** | **Time Duration** |
| Creating Test Plan | 30.11.2023 |
| Test Case Creation | 12.12.2023 |
| Test Case Execution |  |

**Test Deliverables**

The following are to be delivered to the client:

|  |  |  |
| --- | --- | --- |
| **Deliverables** | **Description** | **Target completion date** |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | 30.11.2023 |
| Functional Test Cases | Test Cases created for the scope defined | 24.12.2023 |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis. | NA |

**Entry and Exit Criteria**

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

**Requirement Analysis**

Entry criteria:-

The testing team receives the requirement documents or details about the project

Exit criteria:-

• List of Requirements should explored and understood by the testing team

• Doubts are need to be clarified

**Test Planning**

Entry criteria:-

• Testable requirements are derived from given requirement document or project details

• Doubts are need to be clarified

Exit criteria:-

• Test plan document need to created

• Test plan document 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 need to be created

• Test scenarios and test cases is signed off by the client

**Test Execution**

Entry criteria:-

• Test scenarios and test cases is signed off by the client

• Application is ready for Testing

Exit criteria:-

• Test Case Reports, Defect Reports are ready

**Test cycle closure**

Entry criteria:-

• Test Case Reports, Defect Reports are ready

Exit criteria:-

• Test Summary Report

**Tools**

The following are the list of Tools we will be using in this Project:

• Bug Tracking Tool

• Snipping Screenshot Tool

• Word and Excel documents

**Risks and Mitigations**

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

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically

**Approvals**

Team will send different types of documents for Client Approval like below:

• Test Plan

• Test Scenarios

• Test Cases

• Reports

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