**TEST PLAN**

**Project Name:-** Opencart Web application

**Prepared By :-** SEED INFOTECH

**DATE :-** 19/02/2024

Table of Contents

1. [Overview](#Overview)
2. Scope
3. Inclusions
4. Exclusions
5. Test Strategy
6. Defect Tracking & Reporting Procedure
7. Roles & Responsibilities
8. Test Schedule
9. Test Deliverables

Overview

As part of the project, ‘OpenCart’ asked ‘SEED INFOTECH’ 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.

Scope

The scope of the project includes testing the following features of

‘https://demo.opencart.com/’ web application.

Inclusions

* Register
* Login
* Logout
* Forfgot Password
* Search
* Product Compare
* Product Display Page
* Add to Cart
* Wish List
* Shopping Cart Page
* Currencies
* Home Page
* Checkout Page
* My Account Page
* Order History Page
* Download Page
* Contact Us Page
* Menu Options
* Footer Options
* Category Pages

Test Environments

* Windows 10 - Chrome
* Windows 10 - Firefox
* Android Mobile OS - Chrome

Exclusions

* Any third-party features or Payment gateways
* Test Automation
* The features not mentioned above.

Test Strategy

‘SEED INFOTECH’ has communicated with ‘OpenCart’ and has understood that we need to

perform Functional Testing of all the functionalities mentioned in the above Inclusions section.

As part of Functional Testing, we will follow the below approach for Testing:

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.
* Equivalence Class Partition
* Boundary Value Analysis
* Decision Table Testing
* State Transition 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 passes Smoke Testing, we perform in depth testing using 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, Functionality, UI Testing and Accessibility Testing
* We repeat Test Cycles until we get the quality product.

Defect Tracking & Reporting

* During 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.
* 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.

Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Dinesh Tayde | Test Engineer | * Interact with application * Create and execute the test cases * Report defects * Track defects |

Test Schedule

|  |  |
| --- | --- |
| Task | Time Duration |
| 1] Create Test Plan | 19/02/2024 - 20/02/2024 |
| 2] Test Scenario and Case Creation |  |
| 3] Test Case execution |  |
| 4] Test Case Summary Reports Submission |  |

Test Deliverables

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverables | Description | Responsible Person | Target Completion Date |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule. |  |  |
| Functional Test Case | Test Cases created for the scope defined. |  |  |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis. |  |  |
| Summary Reports | Bugs by Bug#,  Bugs by Functional Area and  Bugs by Priority |  |  |

Entry and Exit Criteria

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 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.

Suspension and Resumption Criteria

Based on the Client decision, we will suspend and resume the Project. We will ramp up and ramp down the resources as per Client needs.

Tools

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

• 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.