TEST PLAN FOR
OPENCART (WEB APPLICATION)

Change Log

Version	Change Date	Prepared By	Description
Version 1.0			Test Plan
Version 2.0			Test Plan
Version 3.0	25 December 2022	Fahad Bin Wadud	Test Plan

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Introduction

It is Test Plan for The OpenCart Web Application designed for Ecommerce clients . OpenCart is free open source e-commerce platform for online merchants. OpenCart provides a professional and reliable foundation from which to build a
successful online store. This foundation appeals to a wide variety of users; ranging from seasoned web developers looking for a user-friendly interface to use, to shop owners just launching their business online for the first time.
OpenCart has an extensive amount of features that gives you a strong hold over the customization of your store. With OpenCart's tools, you can help your online shop live up to its fullest potential.

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

From our understanding, we believe above functional areas need to be Tested.

Quality Objective

The objectives of this test plan are to:

- Verify that the e-commerce web application user functionality
- Ensure that the e-commerce web application performs efficiently and effectively under various conditions and scenarios

Roles and Responsibilities

Details description of the Roles and responsibilities of different team members like Manual Testing

Test Methodology

Overview

The testing methodology for the e-commerce web application will be Agile. This approach is best suited to the iterative, collaborative nature of the app development process and provides a flexible framework for testing and integration.

Test Type

Test Types: The testing process will include the following these of testing:

Unit testing:

This type of testing will focus on individual components or modules of the app to verify that they function as intended.

Functionality Testing:

This types of testing focus on the Plan Selection Testing 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
    - 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 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 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.
- Exploratory Testing – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.

- End to End Flow Testing – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

Test Deliverables

Here mention all the Test Artifacts that will be delivered during different phases of the testing lifecycle. Here are the sample deliverables

- Test Plan
- Test Cases
- Bug Reports
- Test Summary
- Test Metrics

Test Environments

- Windows 10 – Chrome, Firefox and Edge
- Android Mobile OS – Chrome

Exclusions

- All the features except that are mentioned under ‘Inclusions’
- Any third-party features or Payment gateways
- Test Automation