Manual Testing Project

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**1.Project Introduction**

e-commerce Product/Application

Frontend (public can use)

Backend (Admin only can use)

e-commerce (customer activities)

Login

Search for product

Add to cart

Do payment

Product will delivered

Return product………etc

URL : <https://www.opencart.com/>

Customer : opencart

**2.Understanding & Explore The Functionality (FRS document)**

Mock-Up Screens : It means dummy screen design before developing the actual screens

We have to understand the Requirements without UI with the help of FRS document. By clearly reading and understanding the FRS document then we can prepare Test Scenario and Test Cases.

**3.Estimation**

After understanding the requirement we(test engineer) have to give the estimation time required to create test plans and execute test cases.

**4.Test Plan**

Test Plan is a document which is prepared based on FRS document by the testing lead, which contains features like

* Inclusions : what to be test

Register, Login & Logout, Forgot Password, Search, Product Compare, Product display page, add to cart, wish list, shopping cart, Checkout page, My Account page,

* Exclusion : what not to be test
* Test Strategy : Either Manual or Automation
* Defect Reporting Procedure :
* Roles and Responsibilities : who are involved
* Test Schedule :

**5.Test Scenarios**

Test Scenario means what to test and areas to be test, based on test scenarios we write TEST CASES.

From Test Plan Inclusion we create Test Scenarios.

**6.Writing Test Cases & RTM**

Writing Test Cases and preparing RTM Document

**7. Environment Setup & Build deployment**

After receiving the new BUILD we perform the SMOKE testing where we check the major or critical functionalities of the application. If SMOKE testing fails, we reject the build and return the build to developer.

We get a build( A small piece of software which contains certain no. of features) from developers.

We have to install the application in our local machine to full control on the application like database,,etc.

We have Deploy(download or install) the application in our local machine.

Setting-up the environment is different to deploying the application.

To Deploy the application we need

1. MySQL Database(To store the tables)
2. Apache Server(To deploy the application)

Using those 1) and 2) is more technical, Instead of using those two tools, we have one tool called “XAMMP”. If we install the “XAMMP” we can get automatically MySQL as well as APACHE SERVER and PHP.

“XAMMP” provide a control panel(Start the server or Stop the server) through that we can manage the MySQL and APACEHE SERVER.

This is not same for all applications it may vary application to application.

How we come to know means Developer will provide us(Testers) the “RELESE NOTES” along with the “BUILD”.

“RELASE NOTES” contain that how to deploy the build and installation procedure and what the build contains and are the features that build contains.

1. We have to download the Opencart software in our local machine. By using this website “https://www.opencart.com/?route=cms/download”
2. We have to extract the zip file
3. Copy that extracted file into the XAMMP folder (htdocs)
4. Rename the Opencart.123 to only Opencart.
5. Internally we have change names in Opencart folder

Opencart.php

1. Connect to the database and create DB.

DB access URL : <http://localhost/phpmyadmin/>

Create new database ‘Openshop’

1. Open the wesite

<http://localhost/opencart/>

**8.Test Execution**

Severity :

Major -> If functionality is not working then use this.

Minot ->

Priority : How soon we have to fix the bug. It will change according to the time, like if the release date is tomorrow the priority P2 will change to P0.

P0 -> Immediately we have to fix the bug. High Priority, it means without fixing this bug we can’t go further.

P1 -> Medium

P2 ->

**9. Bug Reporting & Tracking**

Until we report the defect for the failed test case, we should not continue with the Test Case Execution.

We have to prepare a bug report by using any tools like Jira, or we can use excel sheets.

And we have to TRACK the bug like whether the bug is fixed by developer or not, bug is retested or not and status of the bug. We have to Track the bug until the is got closed.

Bug Tracking tools : ZOHO,JIRA, BUGZILLA,

**10. Sanity Testing, Re-Testing & Regression Testing**

Whenever we receive a new build from developer we have to perform this testing.

**11. Test Sign off**

After everything was done there is meeting with all teams like DEV, QA, Managers will cross check all the test cases are executed or not and all bugs fixed or not. After everything is fine Manager decide to release the build s