

Tutor: [Pavan Kumar](#)

Reference: [Youtube](#)

Course: [Manual Testing \(Full Course\)](#)

Content: **Manual Testing - Practical**  
**(Manual Software Testing LIVE Project Part-1 to Part-4)**

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2. More documents:

- a. <https://github.com/rajatt95/Documents>

3. Last worked on this Document:

- a. Dec 26, 2022

4. Learnings from Tutor (Code Repository):

- a. This course
  - i. <https://github.com/stars/rajatt95/lists/youtube-pavan-manual-testing>
- b. Other course(s)
  - i. <https://github.com/stars/rajatt95/lists/youtube-pavan-kumar>

5. Links

- a. Web Application
  - i. <https://www.opencart.com/>
- b. To download the application
  - i. <https://www.opencart.com/index.php?route=cms/download>
- c. XAMPP
  - i. This software will handle the DB and server alone
  - ii. <https://www.apachefriends.org/>

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## **6. Course content:**

- a. Manual Software Testing LIVE Project Part-1**
  - i. Project introduction
  - ii. Understand and Explore the functionality
  - iii. Estimation
  - iv. Test Plan
  - v. Writing Test scenarios
  
- b. Manual Software Testing LIVE Project Part-2**
  - i. Writing Test cases and Reviews
    - 1. **Test case**
      - a. Test case ID
      - b. Test Scenario
      - c. Test case Title
      - d. Pre-Requisites
      - e. Test Steps
      - f. Test Data
      - g. Expected Result
      - h. Actual Result
      - i. Priority
      - j. Result (PASS/FAIL)
      - k. Comments
    - ii. Requirements Traceability Matrix (RTM)
  
- c. Manual Software Testing LIVE Project Part-3**
  - i. Test cases for Login
  - ii. Environment setup and Build deployment
  
- d. Manual Software Testing LIVE Project Part-4**
  - i. Test Execution
  - ii. Bug Reporting and Tracking
  - iii. Sanity Testing, Re-Testing, and Regression Testing
  - iv. Test Sign-Off

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## **1. Learnings from Course (Youtube - Pavan Kumar - Manual Testing (Full course))**

### a. Learning (Module/Phase wise)

#### i. **Testing Project (Practical - How to Test?)**

##### 1. Project introduction

- a. <https://www.opencart.com/>
- b. <https://demo.opencart.com/>

i. The application we are going to test here is a **PRODUCT**.

ii. Domain - **e-Commerce**

##### 2. Understand and Explore the functionality

###### a. Using FRS (Functional Requirements Specification)

- i. Overview
- ii. Requirements
- iii. Mockup Screens
- iv. Data flow diagrams

##### 3. Estimation

##### 4. Test Plan

###### a. Scope

- i. Inclusions
- ii. Test Environments
- iii. Exclusions

###### b. Test Strategy

###### c. Defect Reporting Procedure

###### d. Roles/Responsibilities

###### e. Test Schedule

###### f. Pricing

###### g. Entry and Exit Criteria

###### h. Tools

###### i. Suspension and Resumption Criteria

###### j. Risks and Mitigations

###### k. Approvals

##### 5. Writing Test scenarios

##### 6. Writing Test cases and Reviews

###### a. **Test case**

- i. Test case ID
- ii. Test Scenario
- iii. Test case Title
- iv. Pre-Requisites
- v. Test Steps
- vi. Test Data

- 
- vii. Expected Result
  - viii. Actual Result
  - ix. Priority
  - x. Result (PASS/FAIL)
  - xi. Comments
7. [Requirements Traceability Matrix \(RTM\)](#)
  8. [Environment setup and Build deployment](#)
  9. Test Execution
  10. [Bug Reporting and Tracking](#)
    - a. Bug ID
    - b. Description/Summary
    - c. Steps to reproduce
    - d. Expected Result
    - e. Actual Result
    - f. Severity
    - g. Priority
    - h. Screenshot
  11. Sanity Testing, Re-Testing, and Regression Testing
  12. Test Sign-Off
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## =====1\_Manual Software Testing LIVE Project Part-1=====

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### 1. Project

- a. [Project introduction](#)
- b. [Understand and Explore the functionality](#)
- c. Estimation
- d. [Test Plan](#)
- e. [Writing Test scenarios](#)
- f. [Writing Test cases and Reviews](#)
- g. [Environment setup and Build deployment](#)
- h. Test Execution
- i. Bug Reporting and Tracking
- j. Sanity Testing, Re-Testing, and Regression Testing
- k. Test Sign-Off

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### 1. Project

- a. Specific to a client

### 2. Product

- a. For all

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### 1. Project introduction

- a. <https://www.opencart.com/>
- b. <https://demo.opencart.com/>
  - i. The application we are going to test here is a **PRODUCT**.
  - ii. Domain - **e-Commerce**

#### 1. Operations/Features/Functionalities

- a. Login
- b. Search for product/item
- c. Add to Cart
- d. Payment
- e. Product will be delivered

iii. Application

##### 1. Front End (**FE**)

- a. Customer/End User deals with FE
  - i. Web Application -> Will be able to access it via Internet

##### 2. Back End (**BE**)

iv. We are going to test the FE of the application

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The best FREE and open-source eCommerce platform

Everything you need to create, scale and run your business

[FREE DOWNLOAD](#) [VIEW DEMO](#)

Dashboard Home - Dashboard

16.5K 20.3M 2.3K

World Map

Recent Activity

Latest Orders

Order ID	Customer	Status	Date Added	Total
1	Tim Carlson	Pending	17/07/2017	\$230.00

1.

2. View Demo →

OpenCart Demonstration

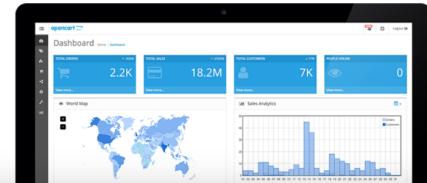
You can try OpenCart without having to install by clicking on one of the demo links below for the frontend and administration demo.

Store Front

a.



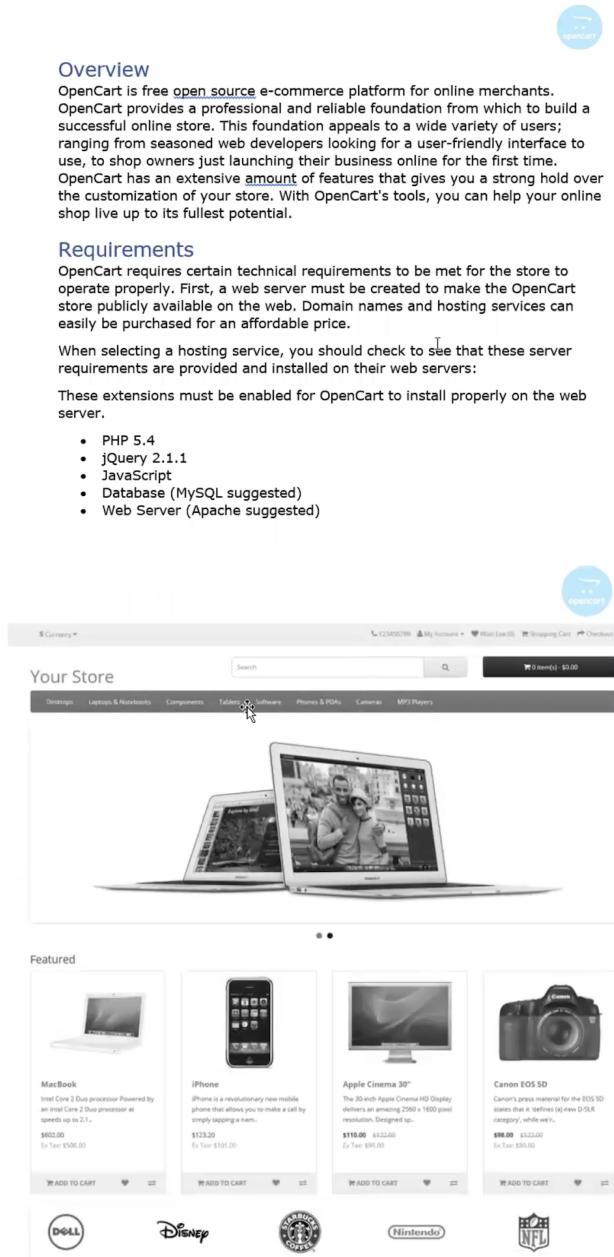
Administration



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## 1. Understand and Explore the functionality

- a. Using FRS (Functional Requirements Specification)
  - i. Overview
  - ii. Requirements
  - iii. Mockup Screens
  - iv. Data flow diagrams



The screenshot shows the OpenCart e-commerce platform. At the top, there's a navigation bar with links for 'Home', 'About', 'Contact', 'Logout', 'Wish List (0)', 'Shopping Cart', and 'Checkout'. Below the navigation is a search bar and a user account link ('123456789 | My Account'). The main header says 'Your Store' with a dropdown menu for 'Desktop', 'Laptops & Notebooks', 'Components', 'Tablets', 'Software', 'Phones & PAs', 'Cameras', and 'MP3 Players'. A large banner image features two laptops displaying a photo of a couple. Below the banner is a 'Featured' section with four product cards:

- MacBook**  
Intel Core i5 Dual processor Powered by an Intel Core i5 Dual processor at speeds up to 2.1...  
\$602.00  
Ex Tax: \$500.00  
[ADD TO CART](#)
- iPhone**  
iPhone is a revolutionary new mobile phone that allows you to make a call by simply tapping a name...  
\$123.20  
Ex Tax: \$100.00  
[ADD TO CART](#)
- Apple Cinema 30"**  
The 30-inch Apple Cinema HD Display delivers an amazing 2560 x 1600 pixel resolution. Designed specifically for...\$110.00  
Ex Tax: \$90.00  
[ADD TO CART](#)
- Canon EOS 5D**  
Canon's press material for the EOS 5D states that it "defines a new D-SLR category", while we...\$98.00  
Ex Tax: \$80.00  
[ADD TO CART](#)

At the bottom of the page are logos for Dell, Disney, McDonald's Coffee, Nintendo, and NFL.

### a. Mockup Screens

The home page is arguably the most important page in the shop, in terms of presentation. In most cases, this will be the first page that a customer interacts with (especially if they are directed to the store site from a search engine). **The shop's homepage needs to be user-friendly, while at the same time highlighting the shop's products.**

The first step in becoming familiar with the store front is understanding the anatomy of the OpenCart default homepage.

### The header

**The header will be displayed at the top of the page, on every page of the store;** not just the home page.



The header has the following navigation options:

- **Store logo:** Clicking on this logo will direct the customer back to the home page of the store.
- **Currency block:** The customer can select which currency the store's products will be in by clicking on any of the currency icons.
- **Shopping Cart:** Displays the number of items purchased, and the total price of the order. Clicking on the button will contain all of products added to the cart and an option to "View Cart" or "Checkout".
- **Search box:** The customers can type in the search box to search for a product within the store's product categories.
- **Links:** Links the customer to the Home page, Wish List, My Account, Shopping Cart, and Checkout.
- **Telephone:** Company telephone number.
- **My Account:** Customer can register or login from here.

2.

a. Highlight the points

i. This will help to create the test scenarios.

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## 1. Test Plan

### Table of Contents

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a. -

### 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.

#### Test Environments

- Windows 10 – Chrome, Firefox and Edge
- Mac OS – Safari Browser
- Android Mobile OS – Chrome
- iPhone Mobile OS - Safari

b.

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## Test Strategy

'Pavan' has communicated with 'OpenCart' and has understood that we need to perform Functional Testing of all the functionalities mentioned in the above Scope 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
  - Use Case Testing
- We also use our expertise in creating Test Cases by applying the below:
  - Error Guessing
  - Exploratory 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.
- 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 you the defect found on that day in a status end of the day email.

C.

## Defect Reporting Procedure:

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.

Note:

- Defects will be documented in a excel.
- Test scenarios and Test cases will be documented in an excel document.

d.

## Roles/Responsibilities

Name	Role	Responsibilities
Person A	Test Manager	<ul style="list-style-type: none"><li>✓ Escalations</li></ul>
Person B	Test Lead	<ul style="list-style-type: none"><li>✓ Create the Test Plan and get the client signoffs</li><li>✓ Interact with the application, create and execute the test cases</li><li>✓ Report defects</li><li>✓ Coordinate the test execution. Verify validity of the defects being reported.</li><li>✓ Submit daily issue updates and summary defect reports to the client.</li><li>✓ Attend any meeting with client.</li></ul>
Person C	Senior Test Engineer	<ul style="list-style-type: none"><li>✓ Interact with the application</li><li>✓ Create and Execute the Test cases.</li><li>✓ Report defects</li></ul>
Person D	Test Engineer	<ul style="list-style-type: none"><li>✓ Interact with the application</li><li>✓ Execute the Test cases.</li><li>✓ Report defects</li></ul>

e.

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### **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	Date
Functional Test Cases	Test Cases created for the scope defined	Date
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	NA
Summary Reports	Summary Reports – Bugs by Bug#, Bugs by Functional Area and Bugs by Priority	Date

f.

#### **i. Scope**

##### **1. Inclusions**

- a. What are the features we are going to test?

##### **2. Test Environments**

- a. QA/Stg/Int
- b. WIN-Chrome, Edge, Firefox
- c. MAC-Safari
- d. android-Chrome
- e. iOS-Safari

##### **3. Exclusions**

- a. What are the features we are not going to test?

#### **ii. Test Strategy**

1. Manual Testing
2. Automation Testing

#### **iii. Defect Reporting Procedure**

1. Defect Life Cycle

#### **iv. Roles/Responsibilities**

1. Product Manager
2. Test Lead
3. Senior Test Engineer
4. Test Engineer

#### **v. Test Schedule**

1. Start Date - End Date
  - a. Creating Test Plan
  - b. Test case creation and execution
2. Summary Reports submission Date

#### **vi. Test Deliverables**

1. Test Plan
2. Functional Test cases
3. Defect reports
4. Summary reports

---

## vii. Entry and Exit Criteria

1. Start - End

### a. Requirements Analysis

- i. Entry criteria - Requirements Detailing
- ii. Exit criteria -
  1. A list of requirements is explored and understood by Testing team
  2. Doubts are cleared

### b. Testing Planning

- i. Entry criteria - Testable requirements derived from Customers' requirements
- ii. Exit criteria - Test Plan document Sign-off by Client

### c. Test Designing

- i. Entry criteria - Test Plan document is signed-off by Client
- ii. Exit criteria - Test scenarios and Test cases document are signed off by Client

### d. Test Execution

- i. Entry criteria -
  1. Test scenarios and Test cases document are signed off by Client
  2. Application is ready for Testing
- ii. Exit criteria -
  1. Reports (Defect and Test case Execution) are ready

### e. Test Closure

- i. Entry criteria - Reports (Defect and Test case Execution) are ready
- ii. Exit criteria -
  1. Test Summary Reports

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## viii. Suspension and Resumption Criteria

1. If any functionality development is on hold, we are blocked.
2. Testing can not be done until the functionality is developed.

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## ix. Tools

1. JIRA - Project management/Defect Tracking Tool
  2. QTest - Test management tool
  3. Selenium WebDriver - Web Automation
  4. Java - Programming language
  5. Github - Code repository
-

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## x. Risks and Mitigations

1. Risk - Test Engineers' health is not good
2. Mitigation (Solution) -
  - a. Who will work as a replacement
  - b. Backup resource

## xi. Approvals

1. Test Plan
  2. Test Scenarios
  3. Test cases
  4. Reports
- 

## 1. Writing Test Scenarios

- a. What to Test?
- b. Area to be tested

Project Name	OpenCart (Frontend)		
Client	OpenCart		
Reference Document	FRS		
Created By	Pavan		
Creation Date	Jan 18th, 2020		
Approval Date			
Test Scenario ID	Reference	Test Scenario Description	Priority
TS_001	FRS	Validate the working of Register Account functionality	P0
TS_002	FRS	Validate the working of Login functionality	P0
TS_003	FRS	Validate the working of Logout functionality	P0
TS_004	FRS	Validate the working of Forgot Password functionality	P2
TS_005	FRS	Validate the working of Search functionality	P1
TS_006	FRS	Validate the working of Product Compare functionality	P4
TS_007	FRS	Validate the Product Display Page functionality for the different types of Products	P1
TS_008	FRS	Validate the working of 'Add to Cart' functionality	P1
TS_009	FRS	Validate the working of 'Wish List' functionality	P4
TS_010	FRS	Validate the working of 'Shopping Cart' functionality	P1
TS_011	FRS	Validate the working of Home Page functionality	P2
TS_012	FRS	Verify the working of Checkout functionality	P1
TS_013	FRS	Validate the My Account functionality	P2
TS_014	FRS	Validate the working of My Account > Account Information functionality	P3
TS_015	FRS	Validate the working of My Account > 'Change Password' functionality	P3
TS_016	FRS	Validate the working of My Account > 'Address Book' functionality	P3
TS_017	FRS	Validate the working of My Orders > 'Order History' functionality	P3
TS_018	FRS	Validate the working of My Orders > 'Order Information' functionality	P3
TS_019	FRS	Validate the working of My Orders > 'Product Returns' functionality	P3
TS_020	FRS	Validate the working of My Orders > 'Downloads' functionality	P3
TS_021	FRS	Validate the working of My Orders > 'Reward Points' functionality	P3
TS_022	FRS	Validate the working of My Orders > 'Returned Requests' functionality	P3

c.

- d. Each scenario must have an ID (Example - TS\_001)
    - i. Later, we may design n no. of test cases for 1 scenario
      1. All those test cases have to be mapped with these scenario IDs
  - e. Prioritizing the test scenario is very important
    - i. P0 -> Critical
    - ii. P1 -> Highest
    - iii. P2 -> High
    - iv. P3 -> Normal
    - v. P4 -> Low
-

=====2\_Manual Software Testing LIVE Project Part-2=====

## **1. Writing Test cases and Reviews**

## a. Version History

OpenCart-TestCases.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

Cut Copy Paste Format Painter Clipboard Font Alignment Number Styles

General Conditional Formatting Check Cell Explanatory... Followed Hyperlink Input

AutoSum Sort & Find & Select Cells Editing

H21 B C D E F G H I J K L M N O F

Project Name (Client Name) OpenCart  
 Prepared By Pavan  
 Version No Version 1.0  
 Version 2.0 Updated with Client Feedback  
 Version 3.0 Added Test Cases for new functionalities

Vision History Test Scenarios Register Login Logout Forgot Password Search Product Compare Product Display Page Add to Cart Wish List Shopping Cart Home Page Checkout My Account My Account Info

- i. Version History Test Scenarios Register Login Logout Forgot Password Search Product Compare Product Display Page Add to Cart

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ii. Comments/Description is added with every version

### b. Test Scenarios

- i.

### c. Test cases for Logout

Test Case ID	Test Scenario	Test Case Title	Pre-requisites	Test Steps	Test Data	Expected Result (ER)	Actual Result	Priority
TC_LG_001 (TS_003) Logout Functionality	Validate Logging out by selecting Logout option from 'My Account' dropdown	1. Open the Application URL. 2. User is logged in	1. Click on 'My Account' Dropdown 2. Select 'Logout' option (Verify ER-1) 3. Click on 'Continue' button (Verify ER-2)	Not Applicable	1. User should be taken to the 'Account Logout' page and User should see Login option instead of Logout under the 'My Account' dropdown 2. User should be taken to the Home page			
TC_LG_002 (TS_003) Logout Functionality	Validate Logging out by selecting Logout option from Right Column options	1. Open the Application URL. 2. User is logged in and is on 'Account' page	1. Click on 'Logout' option from the Right Column (Verify ER-1) 2. Click on 'Continue' button (Verify ER-2)	Not Applicable	1. User should be taken to the 'Account Logout' page and User should see Login option instead of Logout under the 'My Account' dropdown 2. User should be taken to the Home page			
TC_LG_003 (TS_003) Logout Functionality	Validate the Application session status, after logging and closing the Browser	1. Open the Application URL. 2. User is logged in	1. Close the Browser without Logging out 2. Open the Browser and navigate the application (Verify ER-1)	Not Applicable	1. Application session should not get logged out, instead the user login session need to be maintained			
TC_LG_004 (TS_003) Logout Functionality	Validate Logging out and closing the Browser	1. Open the Application URL. 2. User is logged in	1. Click on 'My Account' Dropdown 2. Select 'Logout' option 3. Click on Browser back button (Verify ER-1)	Not Applicable	1. User should not get logged in			
TC_LG_005 (TS_003) Logout Functionality	Validate Logout option is not displayed under 'My Account' menu before login in	1. Open the Application URL.	1. Click on 'My Account' Dropdown (Verify ER-1)	Not Applicable	1. Logout option should not be displayed under 'My Account' dropdown			
TC_LG_006 (TS_003) Logout Functionality	Validate Logout option is not displayed under 'Right Column' after login in	1. Open the Application URL.	1. Click on 'My Account' Dropdown 2. Select 'Logout' option 3. Click on 'Logout' option under 'Right Column'	Not Applicable	1. Logout option should not be displayed in the 'Right Column'			
TC_LG_007 (TS_003) Logout Functionality	Validate Logout from an Account from a single place after logging out from different places	1. Open the Application URL. 2. User is logged in Firefox browser of your laptop. 3. User is logged in with the same account of step2 in Chrome browser of your Mobile device	1. Click on 'Logout' option from the Right Column (Verify ER-1) 2. Click on 'Logout' option from the Address Book page in the Chrome Browser of Mobile device (Verify ER-1)	Not Applicable	1. User be logged out in Mobile device too, instead of getting navigated to the Address book page			
TC_LG_008 (TS_003) Logout Functionality	Validate logging out and login in immediately after logout	1. Open the Application URL. 2. User is logged in	1. Click on 'My Account' Dropdown 2. Select 'Logout' option 3. Log in again with same or different account (Verify ER-1)	Not Applicable	1. Same Account or Different Account should getloggedin			
TC_LG_009 (TS_003) Logout Functionality	Validate 'Account Logout' page	1. Open the Application URL. 2. User is logged in	1. Click on 'My Account' Dropdown 2. Select 'Logout' option 3. Click on 'Logout' button (Verify ER-1)	Not Applicable	1. Proper Page Heading, Page Title, Page URL and Breadcrumbs are displayed for 'Account Logout' page			

i.

### d. Test cases for Search

Test Case ID	Test Scenario	Test Case Title	Pre-requisites	Test Steps	Test Data	Expected Result (ER)	Actual Result	Priority
TC_SF_001 (TS_005) Search Functionality	Validate searching with an existing Product Name	1. Open the Application URL in any supported browser	1. Enter any existing product name into the 'Search' text box field -<Refer Test Data> 2. Click on the button having search icon (Validate ER-1)	Product Name: Mac	1. Searched product should be displayed in the search results			
TC_SF_002 (TS_005) Search Functionality	Validate searching with a non existing Product Name	1. Open the Application URL in any supported browser	1. Enter non existing product name into the 'Search' text box field -<Refer Test Data> 2. Click on the button having search icon (Validate ER-1)	Product Name: Fitbit	1. There is no product that matches the search criteria should be displayed in the Search Results page			
TC_SF_003 (TS_005) Search Functionality	Validate searching without providing any Product Name	1. Open the Application URL in any supported browser	1. Don't enter anything into the 'Search' text box field 2. Click on the button having search icon (Validate ER-1)	Not Applicable	1. There is no product that matches the search criteria should be displayed in the Search Results page			
TC_SF_004 (TS_005) Search Functionality	Validate searching for a product after login to the Application	1. Open the Application URL in any supported browser	1. Enter any existing product name into the 'Search' text box field -<Refer Test Data> 2. Click on the button having search icon (Validate ER-1)	Product Name: iMac	1. Searched product should be displayed in the search results			
TC_SF_005 (TS_005) Search Functionality	Validate searching by providing search criteria which results in multiple products	1. Open the Application URL in any supported browser	1. Enter the search criteria in the 'Search' text box field which can result in multiple products - <Refer Test Data> 2. Click on the button having search icon (Validate ER-1)	Product Name: Mac	1. More than one products should be displayed in the search results page			
TC_SF_006 (TS_005) Search Functionality	Validate all the fields in the Search functionality should have placeholders	1. Open the Application URL in any supported browser	1. Don't enter anything into the 'Search' text box field 2. Click on the button having search icon (Validate ER-1)	Not Applicable	1. Proper placeholder text is displayed in the below fields: - Search text box field - Search Criteria text box field			
TC_SF_007 (TS_005) Search Functionality	Validate searching using 'Search Criteria' field	1. Open the Application URL in any supported browser	1. Don't enter anything into the 'Search' text box field 2. Click on the button having search icon 3. Enter any existing product name into the 'Search Criteria' text box field -<Refer Test Data> 4. Select 'Search in product descriptions' checkbox option 5. Click on 'Search' button (Validate ER-1)	Not Applicable	1. Searched product should be displayed in the search results			
TC_SF_008 (TS_005) Search Functionality	Validate Search using the text from the product description	1. Open the Application URL in any supported browser	1. Don't enter anything into the 'Search' text box field 2. Click on the button having search icon 3. Enter any text from the Product Description into the 'Search Criteria' text box field -<Refer Test Data> 4. Select 'Search in product descriptions' checkbox option 5. Click on 'Search' button (Validate ER-1)	Text in Production description of Mac Product: Life	1. Product having the given text in its description should be displayed in the search results			
	Validate Search by selecting the category of product	1. Open the Application URL in any supported browser	1. Don't enter anything into the 'Search' text box field 2. Click on the button having search icon		1. Product should be successfully displayed in the search results.			

i.

- Every Test case should be independent

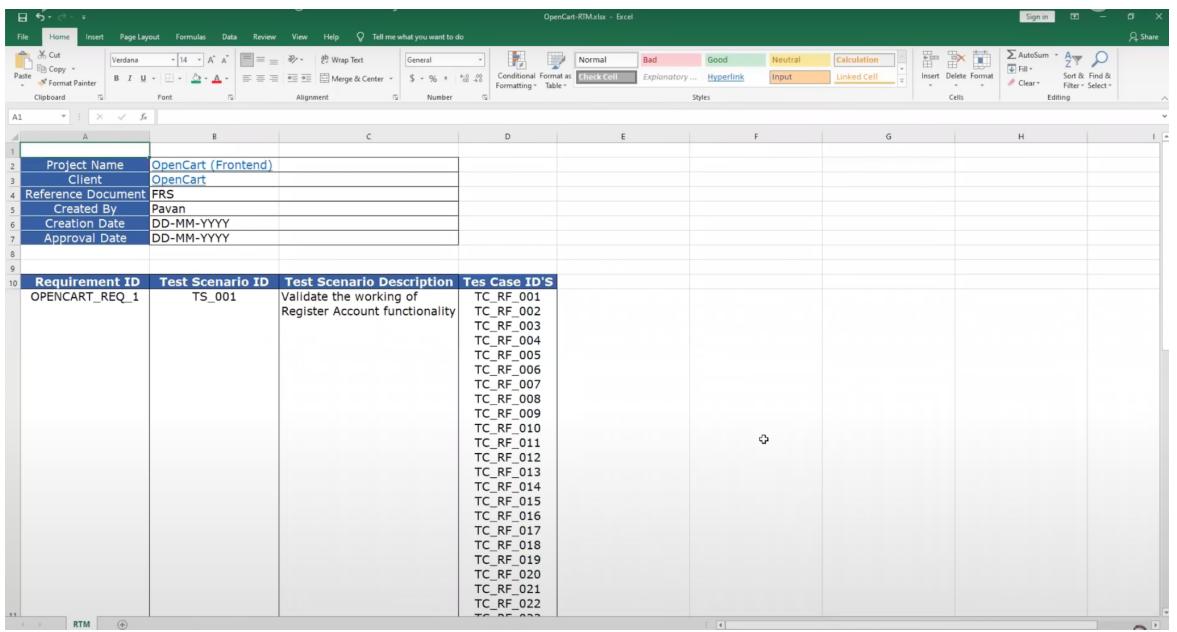
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## 1. Test case

- a. Test case ID
  - b. Test Scenario
  - c. Test case Title
  - d. Pre-Requisites
  - e. Test Steps
  - f. Test Data
  - g. Expected Result
  - h. Actual Result
  - i. Priority
  - j. Result (PASS/FAIL)
  - k. Comments
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## 1. Requirements Traceability Matrix (RTM)

- a. Mapping between the Business requirements and Test cases



Requirement ID	Test Scenario ID	Test Scenario Description	Test Case ID's
OPENCART_REQ_1	TS_001	Validate the working of Register Account functionality	TC_RF_001 TC_RF_002 TC_RF_003 TC_RF_004 TC_RF_005 TC_RF_006 TC_RF_007 TC_RF_008 TC_RF_009 TC_RF_010 TC_RF_011 TC_RF_012 TC_RF_013 TC_RF_014 TC_RF_015 TC_RF_016 TC_RF_017 TC_RF_018 TC_RF_019 TC_RF_020 TC_RF_021 TC_RF_022

b.

## =====3\_Manual Software Testing LIVE Project Part-3=====

### 1. Test cases for Login

E1	A	B	C	D	E	F
	Test Case ID	Test Scenario	Test Case Title	Pre-requisites	Test Steps	Test Data
2	<< Test Scenarios					
3	TC_LF_001	(TS_002) Login Functionality	Validate logging into the Application using valid credentials	1. Open the Application URL ( <a href="https://demo.opencart.com">https://demo.opencart.com</a> ) in any supported Browser 2. Login credentials for an existing account are required	1. Click on 'My Account' Dropmenu 2. Click on 'Login' option (Validate ER-1) 3. Enter valid email address into the 'E-Mail Address' field - <Refer Test Data> 4. Enter valid password into the 'Password' field - <Refer Test Data> 5. Click on 'Login' button (Validate ER-2)	Email Address - pavanoitesting@gmail.com Password - 12345
4	TC_LF_002	(TS_002) Login Functionality	Validate logging into the Application using invalid credentials (i.e. Invalid email address and Invalid Password)	Open the Application URL ( <a href="https://demo.opencart.com">https://demo.opencart.com</a> ) in any supported Browser	1. Click on 'My Account' Dropmenu 2. Click on 'Login' option 3. Enter invalid email address into the 'E-Mail Address' field - <Refer Test Data> 4. Enter invalid password into the 'Password' field - <Refer Test Data> 5. Click on 'Login' button (Validate ER-1)	Email Address - xyzabc123@gmail.com Password - xyzabc123
5	TC_LF_003	(TS_002) Login Functionality	Validate logging into the Application using invalid email address and valid Password	Open the Application URL ( <a href="https://demo.opencart.com">https://demo.opencart.com</a> ) in any supported Browser	1. Click on 'My Account' Dropmenu 2. Click on 'Login' option 3. Enter invalid email address into the 'E-Mail Address' field - <Refer Test Data> 4. Enter valid password into the 'Password' field - <Refer Test Data> 5. Click on 'Login' button (Validate ER-1)	Email Address - xyzabc123@gmail.com Password - 12345
6	TC_LF_004	(TS_002) Login Functionality	Validate logging into the Application using valid email address and invalid Password	Open the Application URL ( <a href="https://demo.opencart.com">https://demo.opencart.com</a> ) in any supported Browser	1. Click on 'My Account' Dropmenu 2. Click on 'Login' option 3. Enter valid email address into the 'E-Mail Address' field - <Refer Test Data> 4. Enter invalid password into the 'Password' field - <Refer Test Data> 5. Click on 'Login' button (Validate ER-1)	Email Address - pavanoitesting@gmail.com Password - xyzabc123

a.

- i. Login into the application with
  - 1. Valid Email and Valid Password
  - 2. Invalid Email and Valid Password
  - 3. Valid Email and Invalid Password
  - 4. Invalid Email and Invalid Password
  - 5. Empty Email and Invalid Password
  - 6. Invalid Email and Empty Password
  - 7. Empty Email and Empty Password
- ii. Login using inactive credentials
- iii. Click on Forgot Password -> Working or not
- iv. Login using Keyboard keys (TAB, ENTER)
- v. Placeholders
- vi. Password content should be hidden
- vii. Login to application -> Back/Forward -> User should be logged in
- viii. Login to application -> Logout -> Back/Forward -> User should be logged out
- ix. A number of unsuccessful attempts -> Warning Message
  - 1. Your account will be blocked. You have 2 more attempts
- x. Copy/Paste for password should not work
- xi. Password should not be visible in Page source
- xii. Login -> Change password -> Logout -> Re-Login with updated password
- xiii. Login -> New Tab -> User should be logged in

- xiv. Login -> New Tab -> Logout -> Come back to the previous tab -> User should be logged out
  - xv. Check Session Timeout
  - xvi. Validate the UI of the Login Page (Spellings, Alignment)
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## 1. Environment setup and Build deployment

- a. Setup this application in your local machine
  - i. We need to install the required software
    1. Apache Server
    2. MySQL - Database
    3. **XAMPP**
      - a. This software will handle the DB and server alone
      - b. <https://www.apachefriends.org/>
  - ii. This may not be the same for every application
    - 1. For this, Developer has to give the **Release notes**
      - a. Steps are mentioned for the **deployment of the application**
      - b. Information like what all features are added/updated and bug fixes

### Opencart Build Deployment/Installation

- 1) Opencart download location:  
<https://www.opencart.com/index.php?route=cms/download>
- 2) XAMPP for apache, mysql, and php installation.  
(Recommended versions: 7.3.25 / PHP 7.3.25)  
Download Link: <https://www.apachefriends.org/download.html>

- b. **Step by step XAMPP Installation:**
- c. To download the application
  - i. <https://www.opencart.com/index.php?route=cms/download>
    1. Click on **Download now**
    2. Extract downloaded ZIP file
- d. Download XAMPP software
  - i. <https://www.apachefriends.org/>
  - ii. Install it
    - 1. WIN -> Run as administrator
      - a. Start
        - i. Apache Server
        - ii. MySQL

## =====4\_Manual Software Testing LIVE Project Part-4=====

### 1. Bug Reporting and Tracking

- a. Bug ID
- b. Description/Summary
- c. Steps to reproduce
- d. Expected Result
- e. Actual Result
- f. Severity
- g. Priority
- h. Screenshot

Bug ID	Description/Summary	Steps to Reproduce	Expected Result	Actual Result	Severity
OPENCART-BUG-1	'Thank you for registering' email is not received to the registered email address after registering an account	1. Open the Application URL 2. Click on 'My Account' dropmenu 3. Select 'Register' option 4. Enter the new User valid details into the Register Account' page 5. Select the 'Privacy Policy' checkbox option 6. Click on 'Continue' button	User Account should be created and an email with the subject 'Thank you for registering' should be received by the registered email address.	User Account is getting created, but the email with subject 'Thank you for registering' is not received to the registered email address.	Major P
OPENCART-BUG-2	User is able to register an account by providing an invalid phone number	1. Open the Application URL 2. Click on 'My Account' dropmenu 3. Select 'Register' option 4. Enter valid details into the fields displayed on the 'Register Account' page 5. Enter invalid phone number say abcde 6. Select 'Privacy Policy' checkbox field 7. Click on 'Continue' button	Warning message should be displayed informing the Users about the invalid phone number	Warning message is not getting displayed, instead User account is getting created with invalid phone number	Major P
OPENCART-BUG-3	'Privacy Policy' Checkbox field in 'Register Account' page is not marked with red colour * symbol	1. Open the Application URL in any browser 2. Click on 'My Account' Dropmenu 3. Select 'Register' option 4. Check the 'Privacy Policy' checkbox field in the displayed 'Register Account' page	Privacy Policy' check box field should be marked with red colour * symbol	Privacy Policy' check box field is mandatory but not marked with red colour * symbol.	Minor P
OPENCART-BUG-4	'Telephone' field in 'Register Account' page is accepting the spaces and not showing warning message	1. Open the Application URL in any browser 2. Click on 'My Account' dropmenu 3. Selection 'Register' option	Warning message informing the User to enter the Telephone field should be displayed	Telephone field is accepting the spaces and no field level warning message is displayed for this field.	Major P

i.

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**1. More documents:**

- a. <https://github.com/rajatt95/Documents>

**2. Learnings from Tutor (Code Repository):**

- a. This course

- i. <https://github.com/stars/rajatt95/lists/youtube-pavan-manual-testing>

- b. Other course(s)

- i. <https://github.com/stars/rajatt95/lists/youtube-pavan-kumar>

**3. To connect:**

- a. <https://github.com/rajatt95>
- b. <https://rajatt95.github.io/>
- c. <https://www.linkedin.com/in/rajat-v-3b0685128/>

# THANK YOU!

