

# FUNCTIONAL REQUIREMENTS

Product Name: OpenCart (Frontend)

**Prepared by: Amisha Jadhav**

**Date: feb 15, 2024**

## Overview

OpenCart stands out as a top-tier, free, and open-source e-commerce platform tailored for online merchants. Offering a robust and dependable framework, it serves as a cornerstone for establishing a thriving online store. Its versatility attracts a diverse spectrum of users, including seasoned web developers seeking intuitive interfaces and novice shop owners venturing into the digital market for the first time. OpenCart boasts an extensive array of features empowering you to tailor your store precisely to your vision. Equipped with powerful tools, OpenCart ensures that your online shop reaches its maximum potential effortlessly.

## Requirements

OpenCart requires certain technical requirements to be met for the store to operate properly. First, a web server must be created to make the OpenCart store publicly available on the web. Domain names and hosting services can easily be purchased for an affordable price.

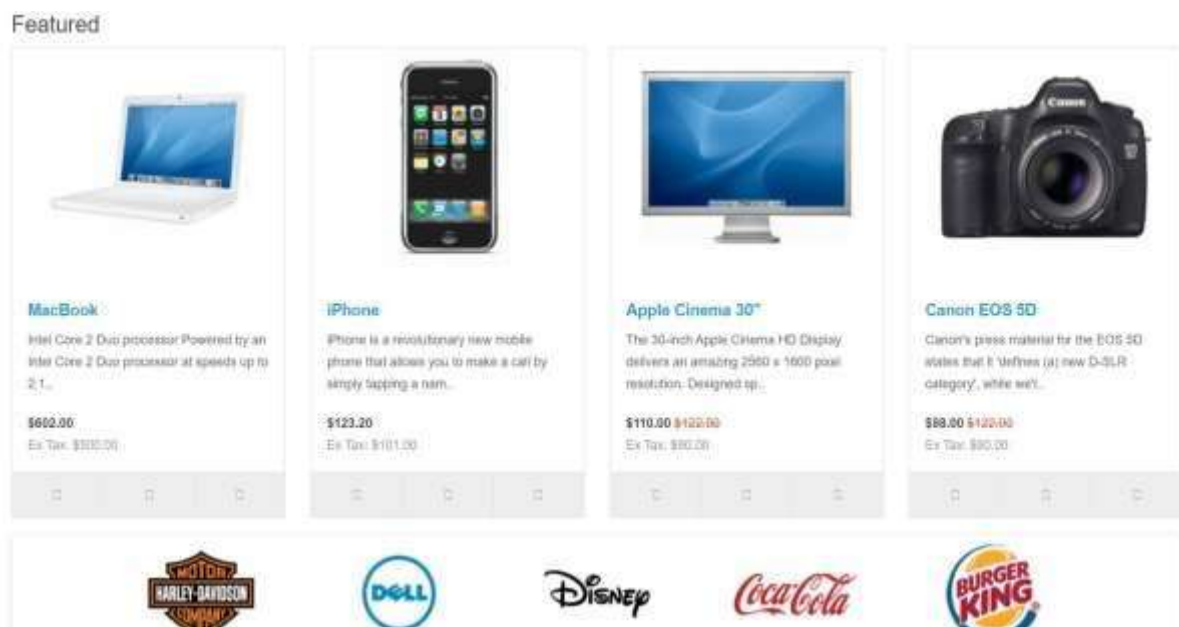
When selecting a hosting service, you should check to see that these server requirements are provided and installed on their web servers:

These extensions must be enabled for OpenCart to install properly on the web server.

- PHP 5.4
- jQuery 2.1.1
- JavaScript
- Database (MySQL suggested)
- Web Server (Apache suggested)

## Opencart Frontend

This Document is intended to be used as an introduction to the OpenCart default store front. The store front reveals how the customer views and interacts with the store.



The products seen above are included as sample data with the OpenCart installation. These products can easily be removed and replaced with the shop's products later.

## Navigating the shop

The OpenCart default theme makes navigating a shop's products easily accessible to its customers. this sentence same meaning change.

## Home page

Since the homepage is often a customer's first impression (especially from search engines), it's crucial for a shop's presentation. It should be easy to navigate while effectively showcasing the store's products. To understand how to achieve this, let's break down the key elements of a typical 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 containing 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.

## The top menu

The top menu category only displays the top parent categories of products.

Like the header, the top menu will be displayed on every page. When the customer's mouse is dragged over a category, a drop-down menu will display the sub-categories for that parent category.



When a parent category is clicked, the customer will be directed to the category page, which displays all the products within that category.

## Slideshow

The slideshow displays several product banners of your choice by alternating the images in a slideshow. After a certain amount of time, one banner will shift to the the next banner. Banners in this slideshow are useful for highlighting certain products to be easily accessible by the customer. When the banner is clicked on, the customer will be directed to the product on the banner's page.



Unlike the top menu and header, the slideshow in the OpenCart default can only be viewed on the home page in this position.

## Featured products

OpenCart gives you the option of featuring specific products of their choosing on the home page

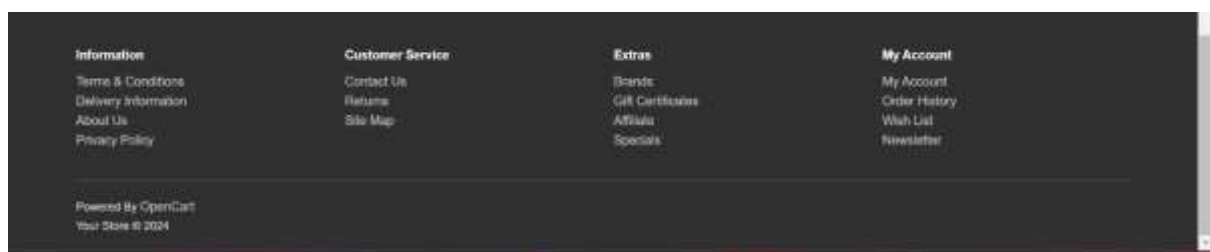


The Featured section includes the product image, name, price and an option to add the product directly to the Shopping Cart. The carousel is only located on the Home Page in the default

Footer The footer is located at the bottom of every page, not just the Home Page. This block of miscellaneous links is useful in sorting relevant pages for the customer that may not logically sort anywhere else.

The organizational scheme of the footer can be divided into the following sections:

- Information: "About Us", "Delivery Information", "Privacy Policy", "Terms & Conditions"
- Customer Service: "Contact Us", "Returns", "Site Map"
- Extras: "Brands", "Gift Vouchers", "Affiliates", "Specials"
- My Account: "My Account", "Order History", "Wish List", "Newsletter"



## Product pages

The OpenCart default product page will follow the structural format seen below.



The product page can be divided into the following sections:

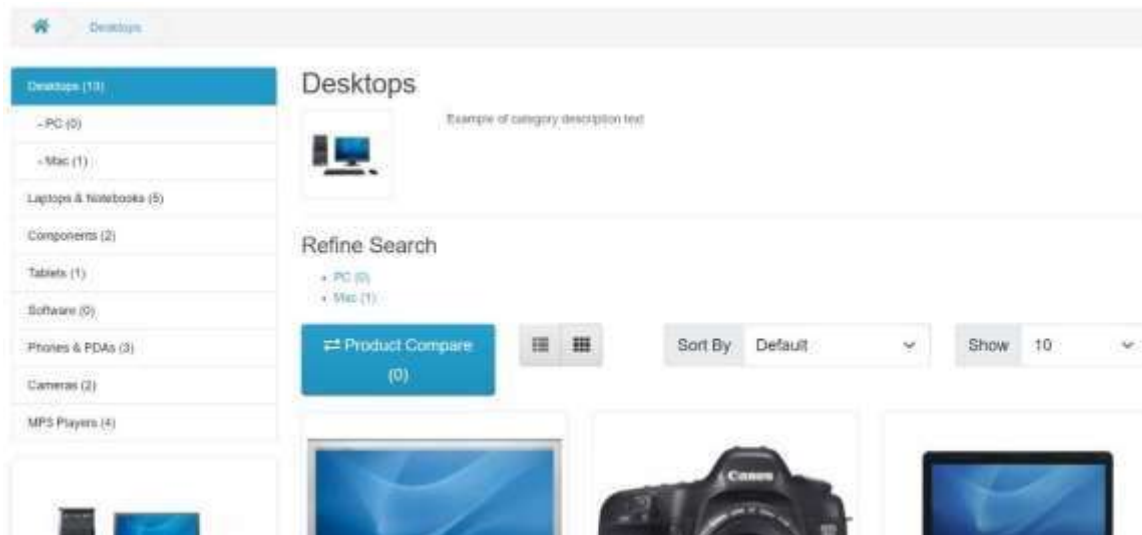
- **Product image:** The product image can be displayed under the title on the left-side, along with alternate views of the product underneath it in smaller box. Clicking on the main image will expand the image within the window for the customer to see it in greater detail.
- **Product details:** The product code, availability, and price are displayed just right to the product image.
- **Cart:** The customer can select a quantity and add the product to their cart, wish list, or compare.
- **Rating/Sharing:** Underneath the cart can rate the product and/or share the product on different social media websites.
- **Description tab:** An area underneath the main product information to provide a detailed description of the product.
- **Review tab:** An area for the customer to write a review on the product.

## Category product listings

Category product listings enable customers to browse products similar to other products within the same category. This is especially helpful for customers looking to compare products, a feature that will be explained under Categories. The category page can be accessed a number of ways. It can be accessed from the top menu, when a customer clicks on one of the parent categories. Also, on product pages a customer can access the category product listing page by clicking on a category on the left side category block.









As seen above, the category block is displayed on the left-side like it is in the product page. There is space under the Category title at the top to add a description to the category. The "Refine Search" links to subcategories of that category for the user to browse. The products can be displayed according to the customer's preference: in a list or grid. The above image is sorted in the listing format. The products can be sorted according to name, price, rating, or model in the "Sort By" box. The number of products displayed in the product listing can be changed in "Show" from 15 up to 100. There is a section that gives space for each of the products within the category, providing a product image, description, price, and an Add to Cart option. There is an option to add the product to a wish list. Another option for the product is to "Add to Compare".

## Product compare

The "Add to Compare" feature in the product section allows the customer to compare the different specifications, features, and price of a number of products s/he might be interested in.

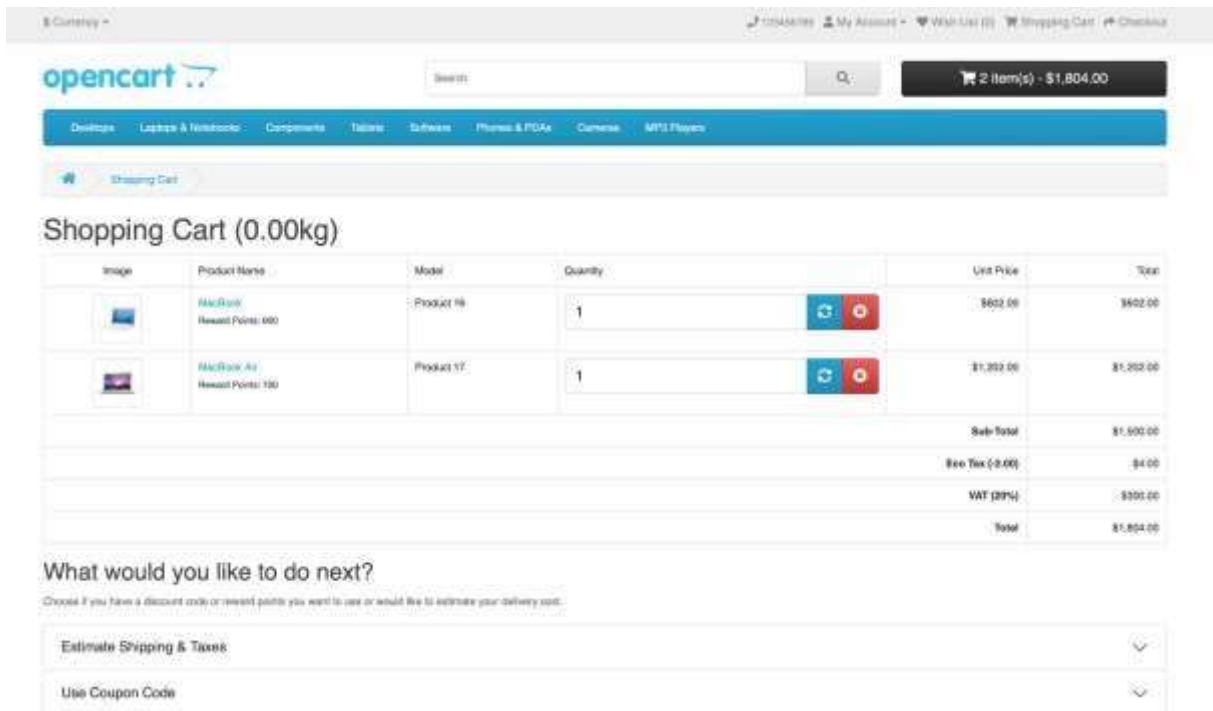
## Product Comparison

| Product Details        |   |   |  |
|------------------------|---|---|--|
| Product                | MacBook   | MacBook Air   |  |
| Image                  |    |  |  |
| Price                  | \$602.00  | \$1,292.00  |  |
| Model                  | Product 16  | Product 17  |  |
| Brand                  | Apple   | Apple   |  |
| Availability           | In Stock  | In Stock  |  |
| Summary                | Intel Core 2 Duo processor Powered by an Intel Core 2 Duo processor at speeds up to 2.18GHz, the new MacBook is the fastest ever, 1GB memory, larger hard drives The new MacBook... |   |  |
| Weight                 | 0.00kg  | 0.00kg  |  |
| Dimensions (L x W x H) | 0.00m x 0.00m x 0.00m   | 0.00m x 0.00m x 0.00m   |  |
| Memory                 |   |   |  |
| Item 1                 | Qty:  |   |  |
| Processor              |   |   |  |
| No. of Cores           | 1   |   |  |
|                        | <a href="#">Add to Cart</a> <a href="#">Remove</a>  | <a href="#">Add to Cart</a> <a href="#">Remove</a>                                  |  |

The customer is given the option to add one of the compared products to the cart if they want to. Pressing "Continue" will bring the user back to the home page.

## Shopping Cart

page Once a customer adds a product to the cart, they can access the shopping cart in the header under "Shopping Cart".



The shopping cart gives an overview of the product selected by including the categories "Image", "Product Name", "Model", "Quantity", "Unit Price", and "Total". The customer has an option to add a coupon code or gift voucher, or estimate shipping & taxes, before heading to the checkout. The "Continue Shopping" button links back to the homepage.

## Creating an account

Before a customer can continue checking out a product from the shopping cart, the customer needs to select either guest checkout or log into their account. The guest checkout doesn't require log-in details. Returning customers may want to make an account with the store.

There are a few ways a customer can make an account:

### 1. Checkout

Step 1 of the check out process allows the user to make an account before continuing with payment. Selecting "Register Account" will change Step 2 of checkout from Billing to Account & Billing details. Account & Billing asks for the same personal details as Billing, except that it asks for the user to create a password for their account. After Step 2 is completed, the customer may continue with the checkout process.

### 2. Header- "My Account"



Clicking "My Account" in the header will show the option for customer to the Login or create account. This page gives the customer an option to log in if they already have an account, or create a new account. In the "New Customer" section the customer can click "Continue" under Register Account to be directed to the "Register an Account" page.

## Checkout

Once a product has been added to the cart, the customer can continue to the checkout to make their product purchase. The Checkout page can be accessed in

 This screenshot shows the 'Checkout' page in an OpenCart store. The page is divided into several sections:
 

- Header:** Similar to the first screenshot, it includes the OpenCart logo, search bar, and a shopping cart icon showing '2 item(s) - \$1,804.00'.
- Navigation:** A blue bar with category links (Desktops, Laptops & Notebooks, etc.) and a breadcrumb trail showing 'Shopping Cart' > 'Checkout'.
- Checkout Title:** The word 'Checkout' is prominently displayed, with a link to the login page for existing users.
- Your Personal Details:** A section with radio buttons for 'Register Account' (selected) and 'Guest Checkout'. It includes input fields for First Name, Last Name, and E-Mail.
- Payment Address:** Input fields for Company, Address 1, Address 2, City, Post Code, and Region/State. A dropdown menu for Country is set to 'United Kingdom'. A checkbox indicates 'My delivery and billing addresses are the same'.
- Shipping Method:** A dropdown menu currently set to 'Please Select'.
- Payment Method:** Another dropdown menu currently set to 'Please Select'.
- Add Comments About Your Order:** A text area for customer feedback.
- Order Summary Table:** A table listing the items in the cart:
 

| Product Name           | Total      |
|------------------------|------------|
| 1x MacBook             | \$902.00   |
| 1x MacBook Air         | \$1,202.00 |
| <b>Sub-Total</b>       | \$1,904.00 |
| <b>Eco Tax (-2.00)</b> | \$4.00     |
| <b>VAT (20%)</b>       | \$396.00   |
| <b>Total</b>           | \$1,804.00 |
- Confirm Order:** A blue button at the bottom right to proceed with the purchase.

the header section of every page (found under the search box). Customer checkout using OpenCart is a simple process that can be completed in 6 steps.

1.      Step 1: Checkout options The customer can log into or register their account (as explained above), or select guest checkout.
2.      Step 2: Billing details Personal details including "First Name", "Last Name", "Email", and "Telephone" are filled into a form. It also requires the customer's address details.
3.      Step 3: Delivery details In Billing Details, the user can check a box to indicate that the delivery details and billing details are the same. This will cause it to skip over this step to Delivery Method. If the delivery details are different from the billing details the customer can enter this information in a form in this section.
4.      Step 4: Delivery method A method of shipping is selected here. A comment box is added for the customer to add comments about their order.
5.      Step 5: Payment method The customer selects their method of payment here and may add comments in the comment box.
6.      Step 6: Confirm order In this last step, the customer will see an overview of their purchase; including the product description, quantity, and price (with tax & shipping)