



# Functional Requirement Specification (FRS)

## Overview

OpenCart is a 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 number of features that give 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.

## 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.

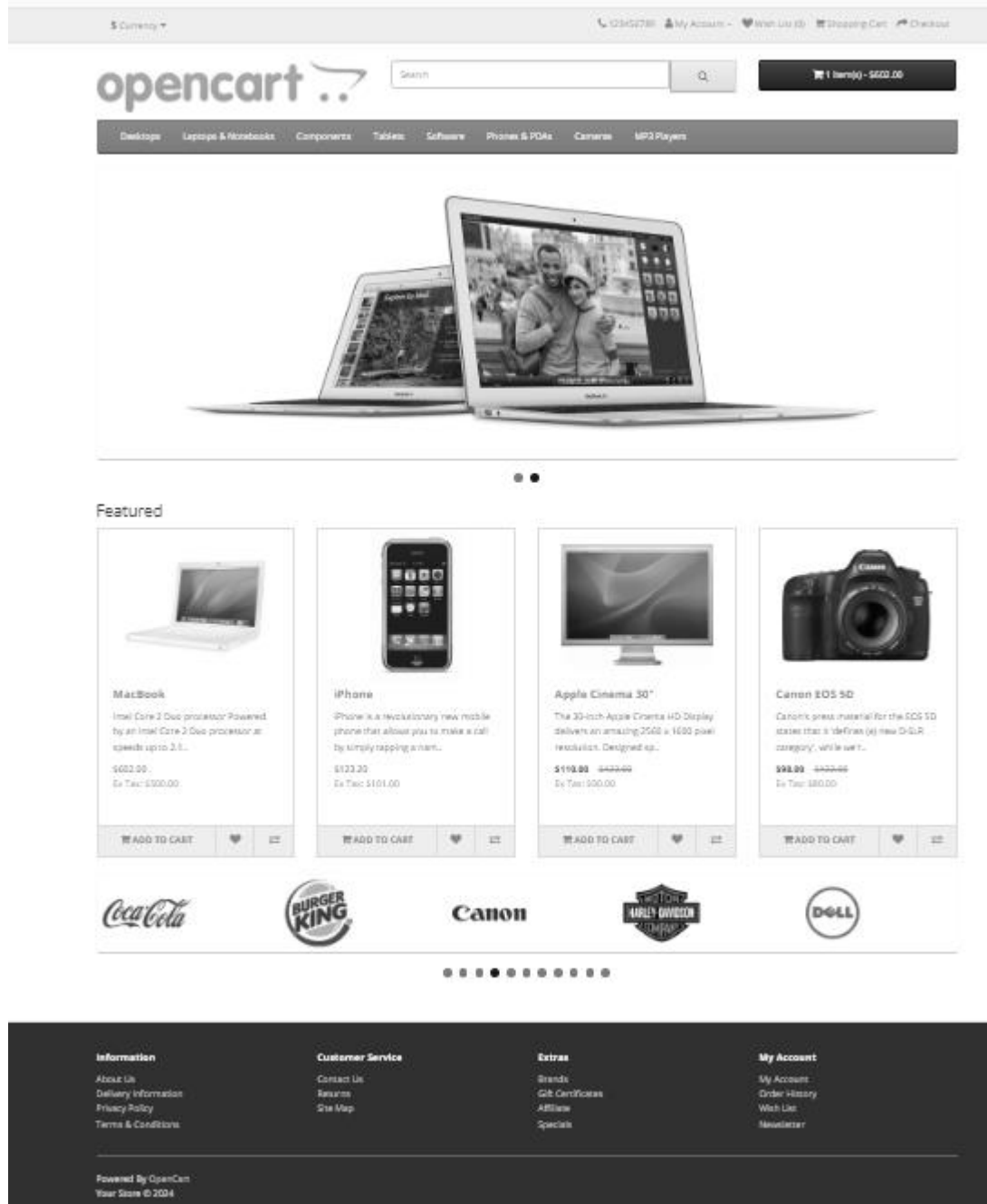
When selecting a hosting service, you should check to see that these server requirements are provided and installed on their web servers:

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 storefront. The storefront 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.

## Home page

The home page is arguably the most important 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 storefront 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 the 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:** Customers can register or log in 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 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 your choosing on the home page

### Featured

 <p><b>MacBook</b></p> <p>Intel Core 2 Duo processor Powered by an Intel Core 2 Duo processor at speeds up to 2.1...</p> <p><b>\$602.00</b> Ex Tax: \$500.00</p> <p>ADD TO CART</p>	 <p><b>iPhone</b></p> <p>iPhone is a revolutionary new mobile phone that allows you to make a call by simply tapping a nam...</p> <p><b>\$123.20</b> Ex Tax: \$101.00</p> <p>ADD TO CART</p>	 <p><b>Apple Cinema 30"</b></p> <p>The 30-inch Apple Cinema HD Display delivers an amazing 2560 x 1600 pixel resolution. Designed sp...</p> <p><b>\$110.00</b> <del>\$122.00</del> Ex Tax: \$90.00</p> <p>ADD TO CART</p>	 <p><b>Canon EOS 5D</b></p> <p>Canon's press material for the EOS 5D states that it 'defines (a) new D-SLR category', while we'r...</p> <p><b>\$98.00</b> <del>\$122.00</del> Ex Tax: \$80.00</p> <p>ADD TO CART</p>
---	--	--	--

The Featured section includes the product image, name, price and an option to add the product directly to the Shopping Cart.

## 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"



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 in several 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.

Currency ▼

123456789

My Account ▼

Wish List (0)

Shopping Cart

Checkout

opencart

Search

Q

1 item(s) - \$602.00

Desktops

Laptops & Notebooks

Components

Tablets

Software

Phones & PDAs

Cameras

MP3 Players

Desktops

Desktops (13)

PC (0)

Mac (1)

Laptops & Notebooks (5)

Components (2)


Tablets (1)

Software (0)

Phones & PDAs (3)

Cameras (2)

MP3 Players (4)



Desktops

Example of category description text

Refine Search


PC (0)

Mac (1)

Product Compare (2)

Sort By: Default ▼

Show: 15 ▼



Apple Cinema 30"

The 30-inch Apple Cinema HD Display delivers an amazing 2560 x 1600 pixel resolution. Designed spec..

\$110.00


~~\$422.00~~

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're n...

\$98.00


~~\$422.00~~

Ex Tax: \$80.00

ADD TO CART

♥

☰



HP LP3065

Stop your co-workers in their tracks with the stunning new 30-inch diagonal HP LP3065 Flat Panel Mon..


\$122.00

Ex Tax: \$100.00

ADD TO CART

♥

☰



HTC Touch HD

HTC Touch - in High Definition. Watch music videos and streaming content in awe-inspiring high defin..


\$122.00

Ex Tax: \$100.00

ADD TO CART

♥

☰



iPhone

iPhone is a revolutionary new mobile phone that allows you to make a call by simply tapping a name o...


\$122.00

Ex Tax: \$100.00

ADD TO CART

♥

☰



iPod Classic

More room to move. With 80GB or 160GB of storage and up to 40 hours of battery life, the new...

\$122.00

Ex Tax: \$100.00

ADD TO CART

♥

☰



P. ABBAS KHAN

As seen above, the category block is displayed on the left side like it is on 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 compares

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

### Product Comparison




Product Details		
Product	iMac	HP LP3065
Image		
Price	\$122.00	\$122.00
Model	Product 14	Product 21
Brand	Apple	Hewlett-Packard
Availability	In Stock	In Stock
Rating	☆☆☆☆☆ Based on 0 reviews.	☆☆☆☆☆ Based on 0 reviews.
Summary	Just when you thought iMac had everything, now there's even more. More powerful Intel Core 2 Duo processors. And more memory standard. Combine this with Mac OS X Leopard and iLife '08, and it's mor..	Stop your co-workers in their tracks with the stunning new 30-inch diagonal HP LP3065 Flat Panel Monitor. This flagship monitor features best-in-class performance and presentation features on a hug..
Weight	5.00kg	1.00kg
Dimensions (L x W x H)	0.00cm x 0.00cm x 0.00cm	0.00cm x 0.00cm x 0.00cm
<b>Memory</b>		
test 1		16GB
<b>Processor</b>		
No. of Cores		4

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".

## Shopping Cart (5.00kg)

Image	Product Name	Model	Quantity	Unit Price	Total
	iMac	Product 14	<input type="text" value="1"/>  	\$122.00	\$122.00

### What would you like to do next?

Choose if you have a discount code or reward points you want to use or would like to estimate your delivery cost.

Use Coupon Code ▾

Estimate Shipping & Taxes ▾

Use Gift Certificate ▾

Sub-Total:	\$100.00
Eco Tax (-2.00):	\$2.00
VAT (20%):	\$20.00
Total:	\$122.00

[Continue Shopping](#)

[Checkout](#)

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 login 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

The screenshot shows the 'Step 1: Checkout Options' page. At the top, there is a breadcrumb trail: Home > Shopping Cart > Checkout. The main heading is 'Checkout'. Below it, 'Step 1: Checkout Options' is displayed. The page is divided into two columns. The left column is titled 'New Customer' and contains 'Checkout Options:' with two radio buttons: 'Register Account' (selected) and 'Guest Checkout'. Below this, a message states: 'By creating an account you will be able to shop faster, be up to date on an order's status, and keep track of the orders you have previously made.' A 'Continue' button is at the bottom of this column. The right column is titled 'Returning Customer' and contains the text 'I am a returning customer'. It has input fields for 'E-Mail' and 'Password', a 'Forgotten Password' link, and a 'Login' button. Below the main form area, there are four steps listed in a horizontal bar: 'Step 1: Checkout Options' (active), 'Step 2: Account & Billing Details', 'Step 3: Payment Method', and 'Step 4: Confirm Order'.

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"

The screenshot shows the top header of the OpenCart website. On the left, there is a 'Currency' dropdown menu. In the center, there is a search bar with the text 'Search'. To the right of the search bar, there is a 'My Account' dropdown menu with options for 'Register' and 'Login'. Further right, there are links for 'Wish List (0)', 'Shopping Cart', and 'Checkout'. Below the header, there is a navigation bar with links to various product categories: Desktops, Laptops & Notebooks, Components, Tablets, Software, Phones & PDAs, Cameras, and MP3 Players. At the bottom of the header, there is a shopping cart summary showing '1 item(s) - \$602.00'.

Clicking "My Account" in the header will show the option for customer to the log in or create an 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 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", "E-mail", 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)