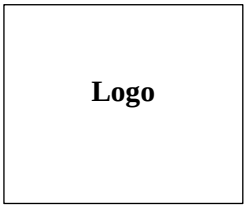
E-Commerce Prototype

Online Shopping

Logo

By
Mahmoud Hesham (Team Leader)

E-Commerce Prototype



Online Shopping

Report

By

Mahmoud Hesham (Team Leader)

Abdelrahman Wael

Approval

This project has been submitted by the team to the following members, (Client Names) with the required features that has been approved by them.

Declaration

This is a certify that the project is our original work & any material reproduced in this project has been properly achieved our knowledge.

Abstract

The business-to-consumer aspect of product commerce (e-commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell products online.

This project deals with developing an e-commerce website for Online Product Sale & provides the user with a catalog of different products available for purchase in the store, to facilitate online purchase a shopping cart is provided to the user.

Python Django & SQLite and a web browser as the backend client. In order to develop an e-commerce website, these technologies must be studied and understood.

These include server and client-side scripting techniques, implementation technologies such as Django (OOP), CSS, BOOTSTRAP, HTMLS, relational databases. This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and to know about the technologies used to develop such an application. This document will discuss each of the underlying technologies to create and implement an ecommerce website.

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Introduction

E-commerce is fast gaining ground as an accepted and used business enlargement. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace & easier.

The objective of this project is to develop a general-purpose e-commerce store where any kind of product can be bought from the comfort of anywhere through the internet. However, for implementation purposes, this paper will deal with an online shopping for electronics products.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and pay Cash on Delivery. An e-mail notification is sent to the customer as soon as the user is signed up & order placed.

Project Description

- **Any member can register and view active products in stock.**
- **Only registered member can purchase multiple products regardless of quantity.**
- **Contact Us page is available to contact Admin for queries.**
- **There are four roles available:**

I. **Visitor**
II. **User**
III. **Admin.**

- **Visitor can view& search available products.**
- **User can view and buy products.**
- **An Admin has some extra privilege including all privilege of visitor and user.**
  - **Admin can add products, edit product information and add/remove product.**
  - **Admin can add user, edit user information, and can remove user.**
  - **Admin can ship order to user based on order placed by sending confirmation email.**

Design & Development environment

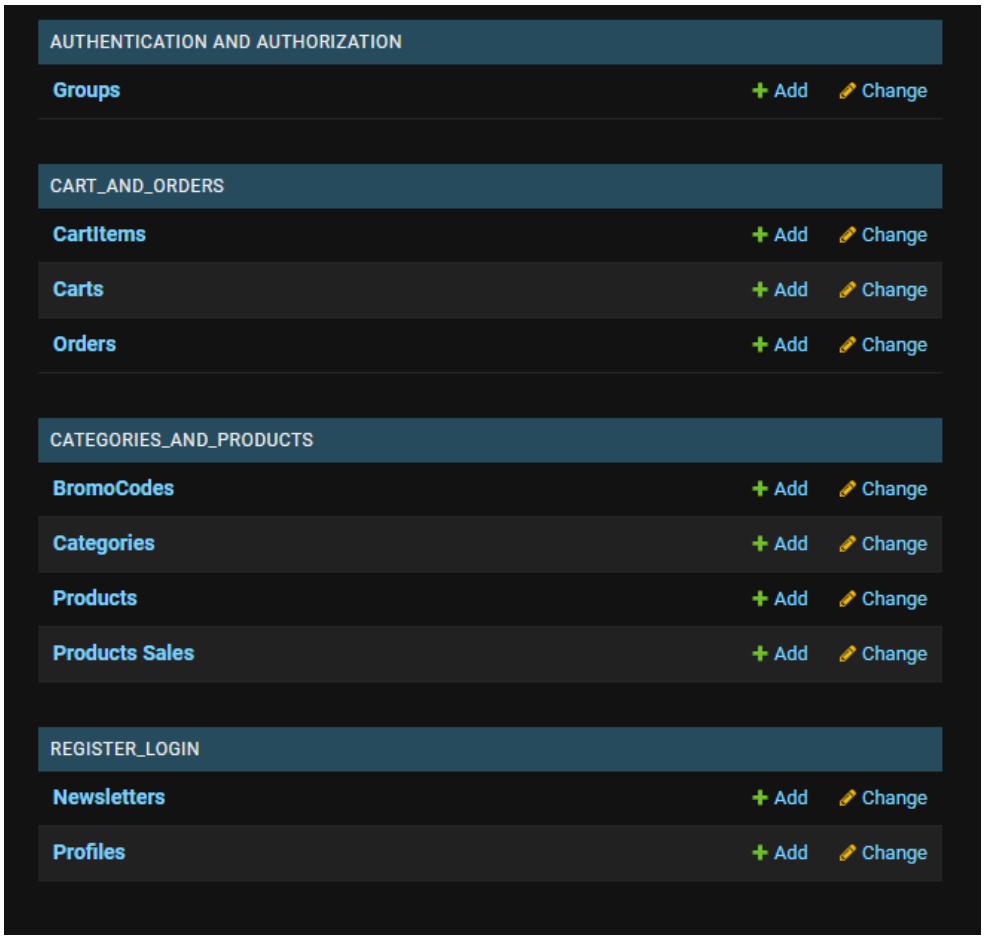
- **HTML5**
- **CSS3**
- **Ajax**
- **JavaScript**
- **Django**
- **SQLite**

Database Design

We use built in SQLite Django, with the ability to enlarge the database system with MySQL. We will describe the function of each table below:

Database Table:

This is our database table for our e-commerce website. We use 9 tables with the ability to create group for a specific employee in the organization, such as sales & operators. We will describe the table details above the database details page.



Categories Table:

We should add categories in our project to have the ability to add products.

- **ID: This field is unique & generated automatically once you add a category**
- **Name: Category name goes here**
- **Slug: This field is unique & generated automatically once you add a category**
- **Image: Category Image display goes here**
- **Description: Category's description goes here**
- **Featured: If the product is featured check the box, to appear in the featured section on the web**
- **Active: If the category is active for selling check the box**