DBMS LAB PROJECT

E-Commerce Website (ECCOM)

-1911

Introduction

- This is small e-commerce website which has two templates, the customer and the admin.

- The customer can view the products, adds products to cart, order the products.

- The admin manages the website,the products, orders and the customers.

Features of the Website

Customer Features

- Log in/Log out/Sign up

- View products

- Add products to cart

- View the products in the cart

- Order the products

- View Orders

- View personal details

  All these features are implemented in the project.

Admin Features

- Manage users, products, orders

- View/Add/Delete/Update products

- View all the orders, user details, products based on category

- Dashboard with insights

  The admin features that are implemented are:

- View products, orders, user details, cart details

- Dashboard with insights

Requirements

Technology Software Stack

- VS Code
- MySQL Server
- MySQL Workbench
- Dia Diagram
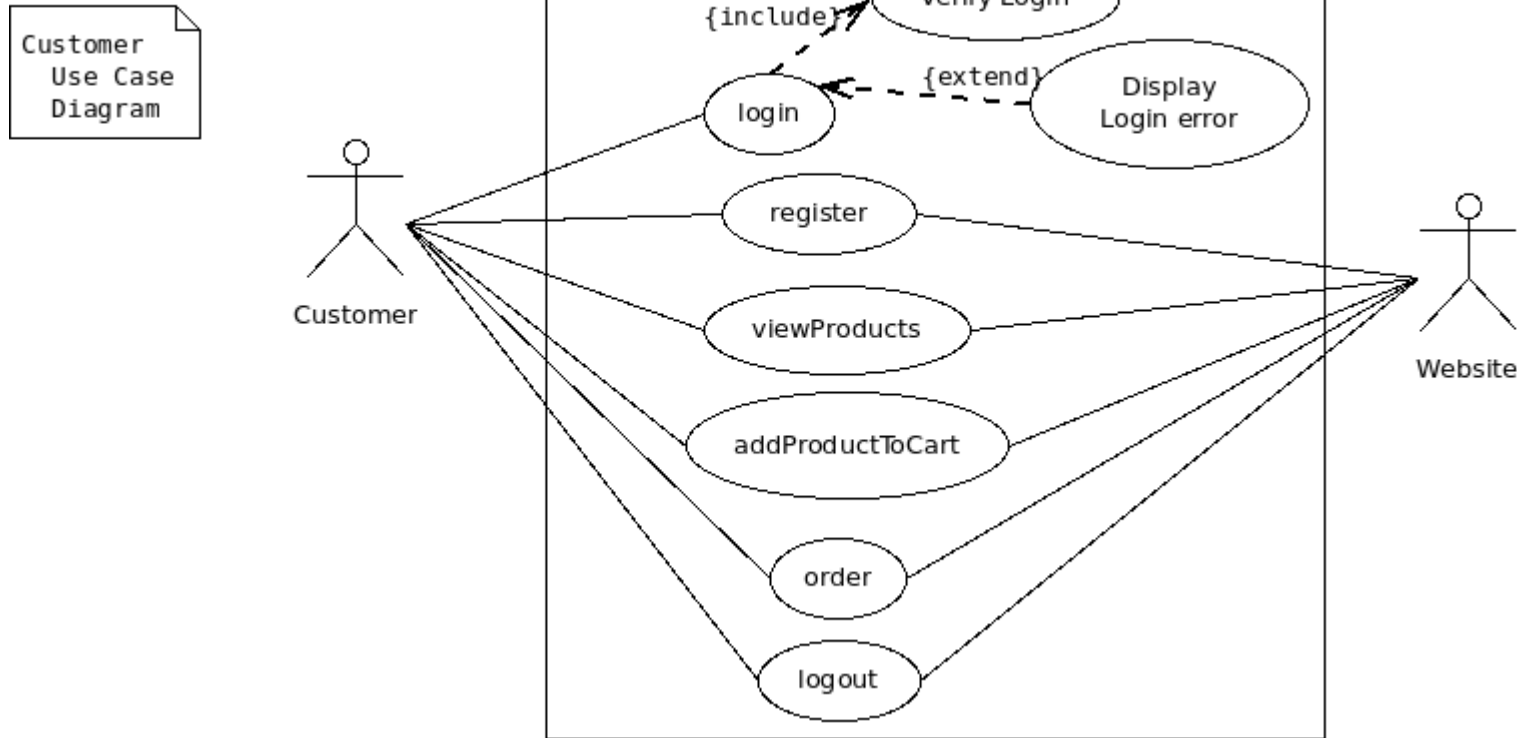- Languages: Python, HTML, CSS, JavaScript, Jinja, SQL

Packages used in Python

- Flask: Flask, render_template, request, session,redirect, url_for, flash

- Mysql: mysql, mysql.connector

- Functiontools: wraps
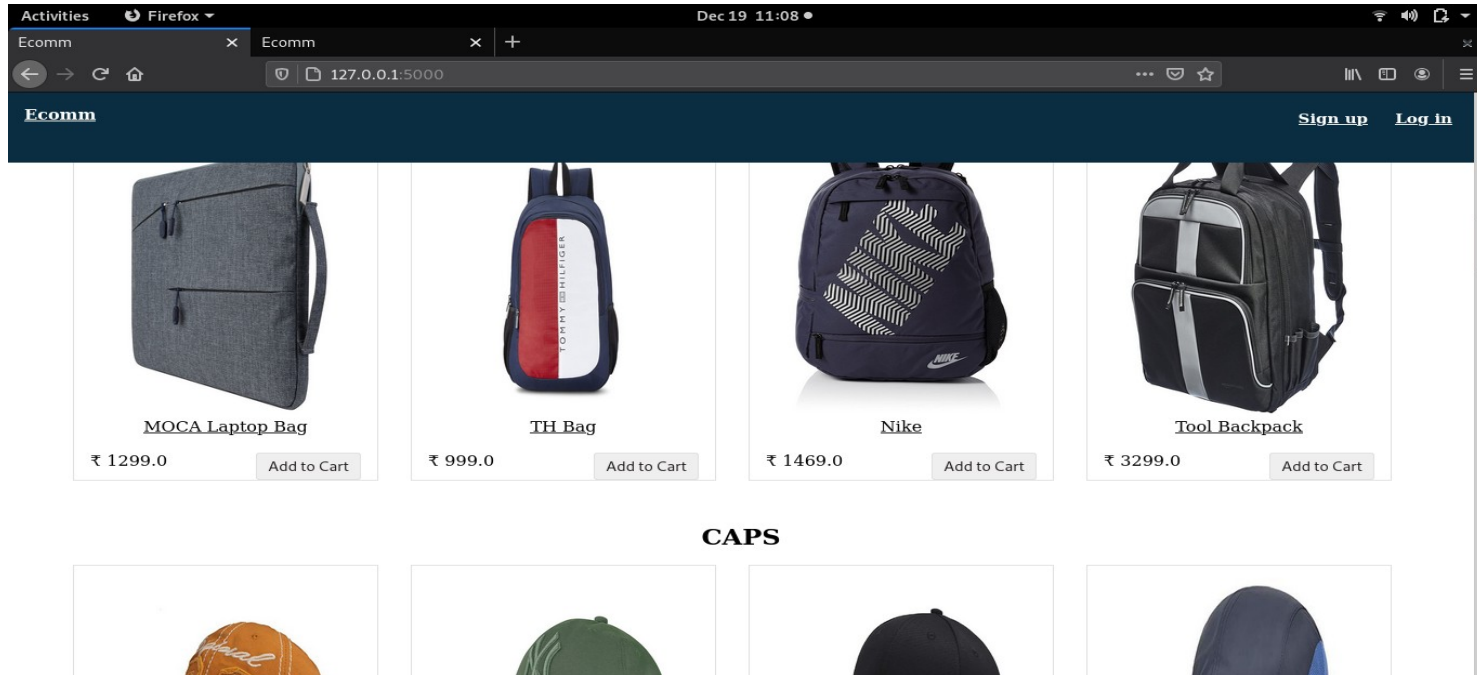
- Passlib.hash: mysql41

ERD
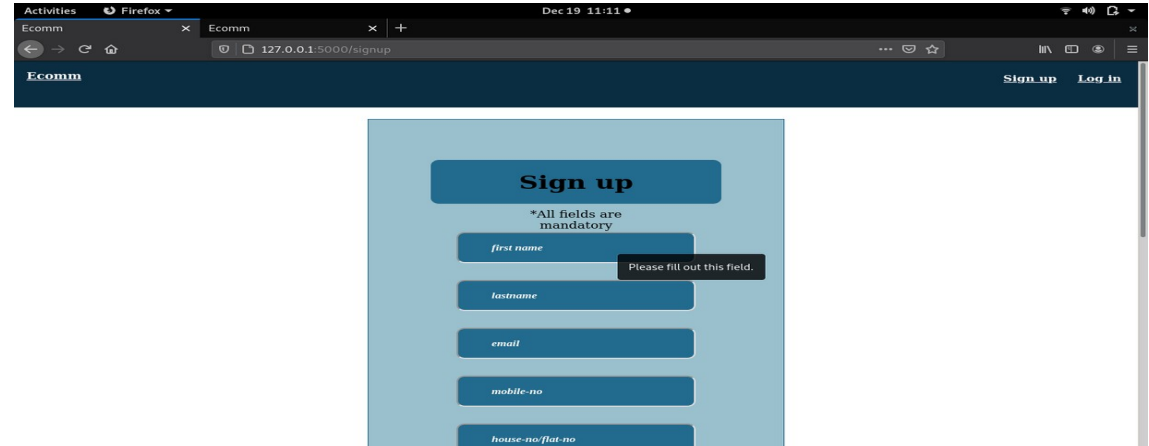
Use Case Diagram

Customer
  Use Case
  Diagram

Customer

Website

{include}

Verify Login

{extend}

Display
Login error

login

register

viewProducts

addProductToCart

order

logout

Admin
  Use Case
  Diagram

{include} Verify Login

{extend} Dsiplay login error

login

addProduct

updateProduct

deleteProduct

manageUsers

manageOrders

logout

Admin

Website/Database
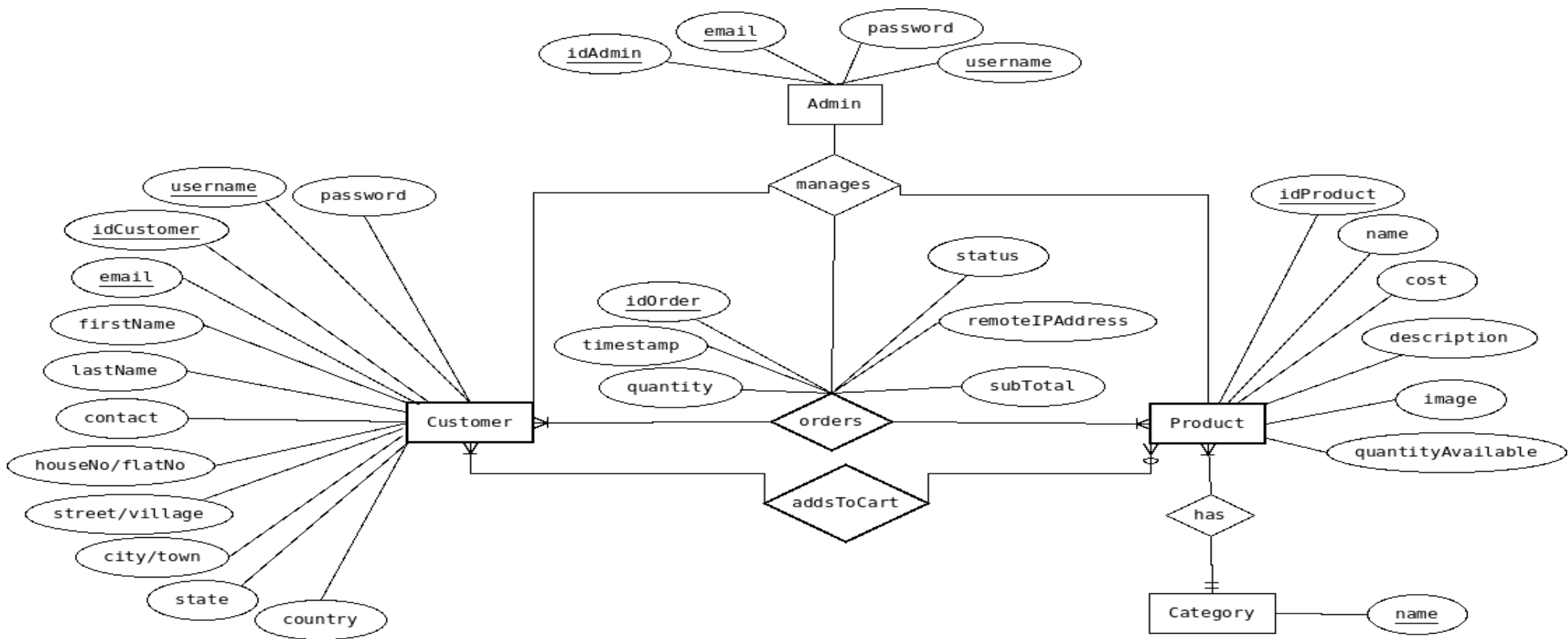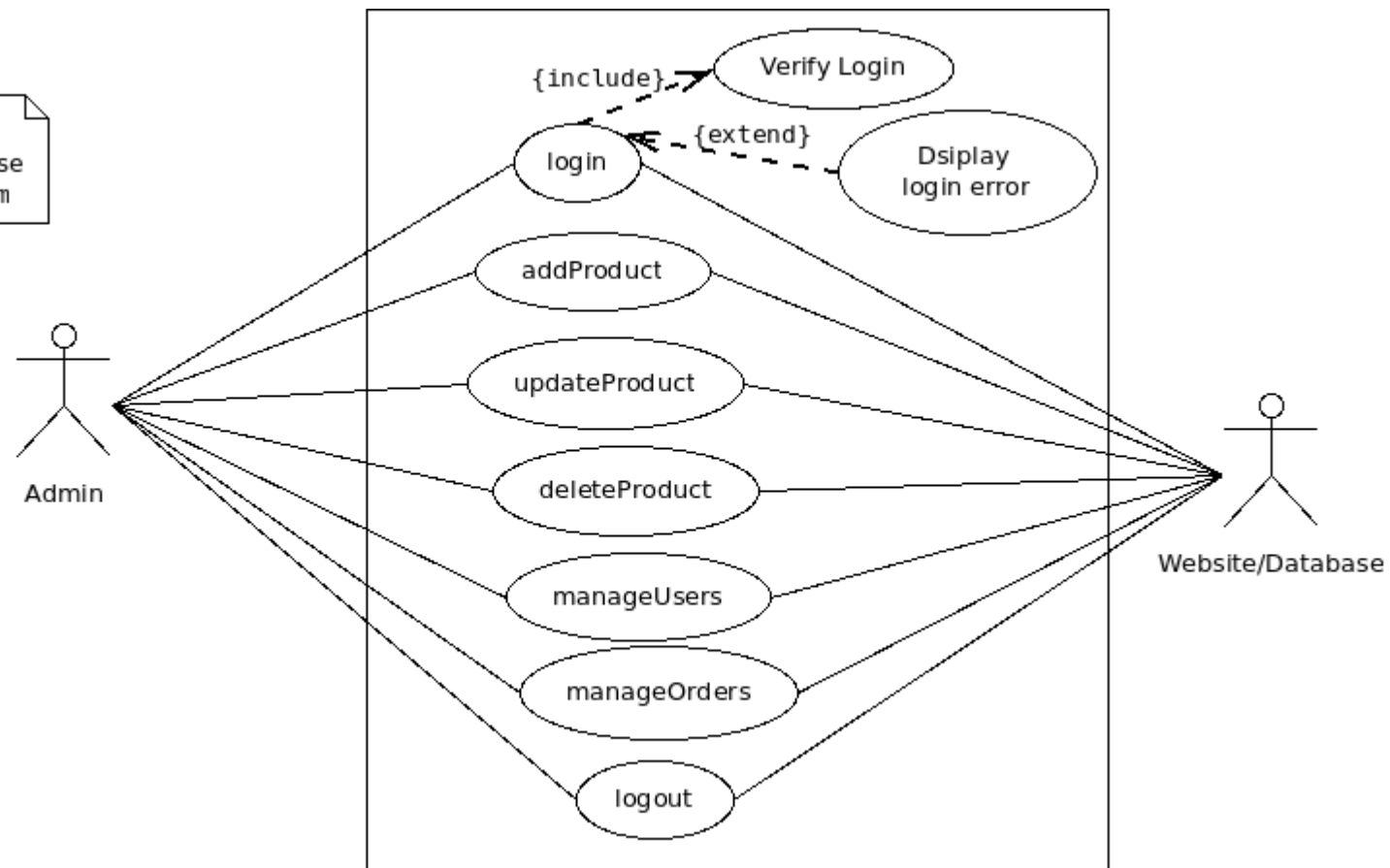
Implementation and Results for Customer

- Main page before login

- Sign Up Form

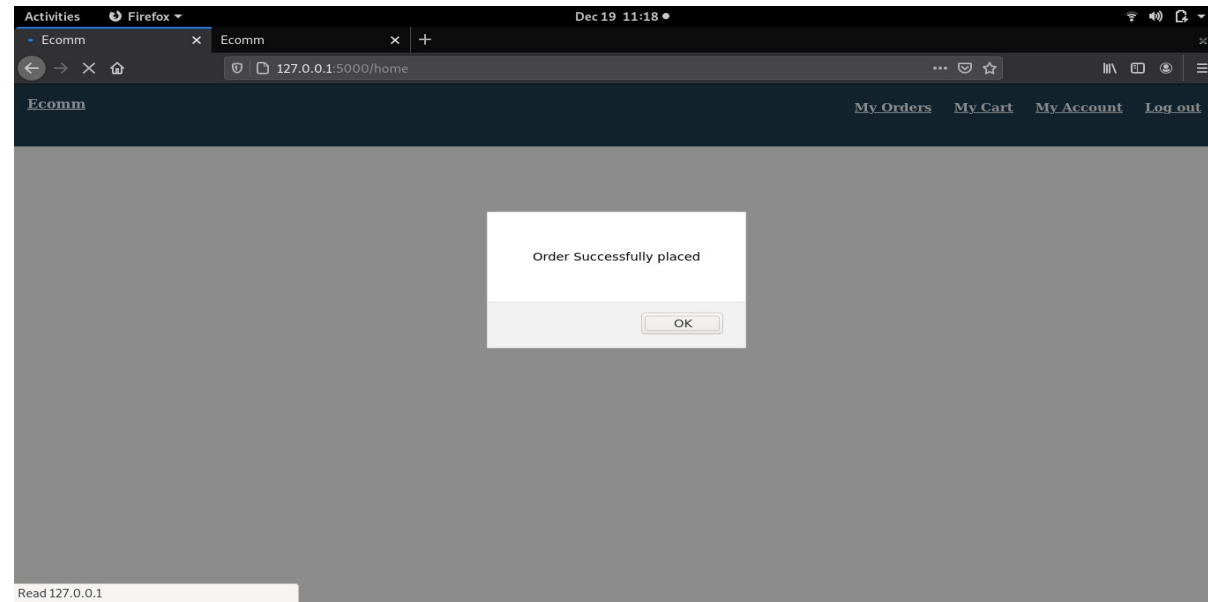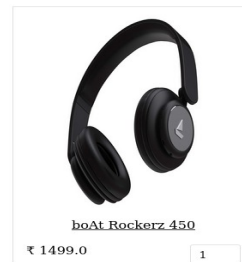- Sign Up Message
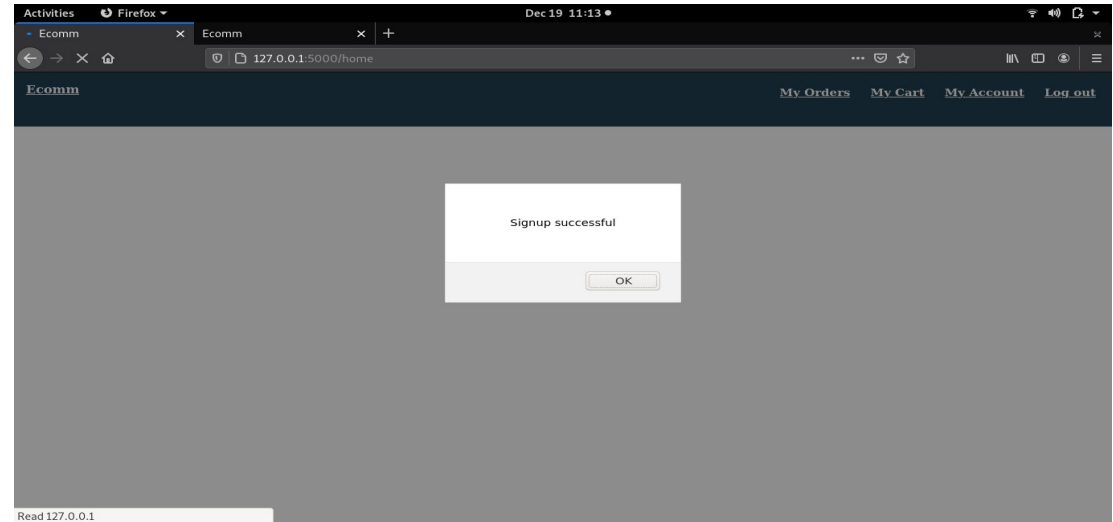
- View Product
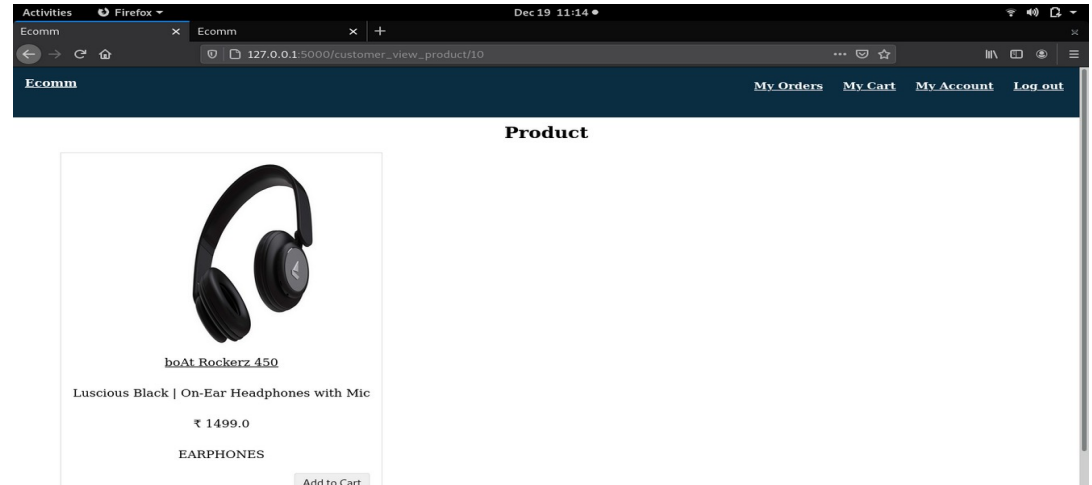
- View Cart
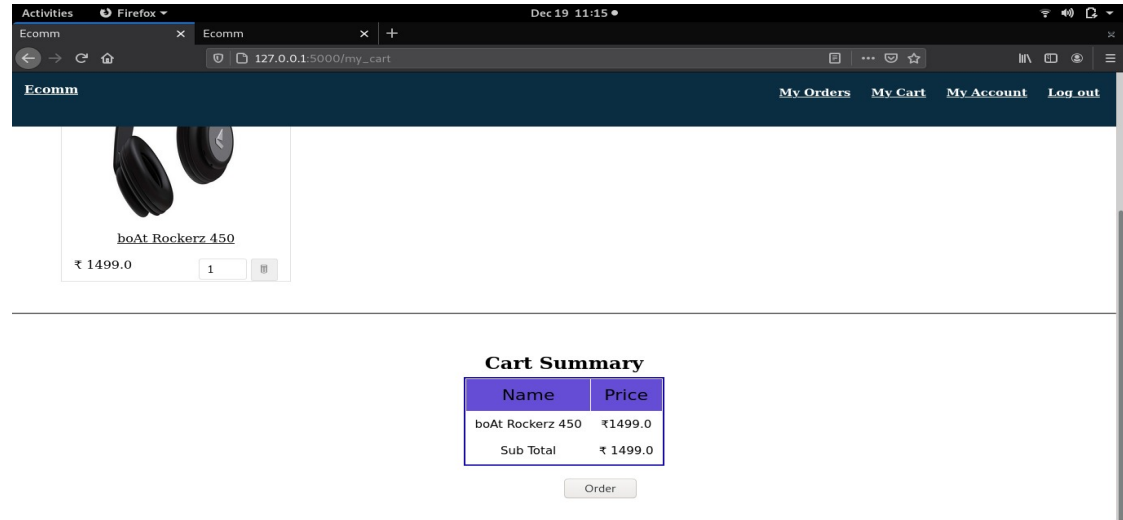
- Remove Item from Cart
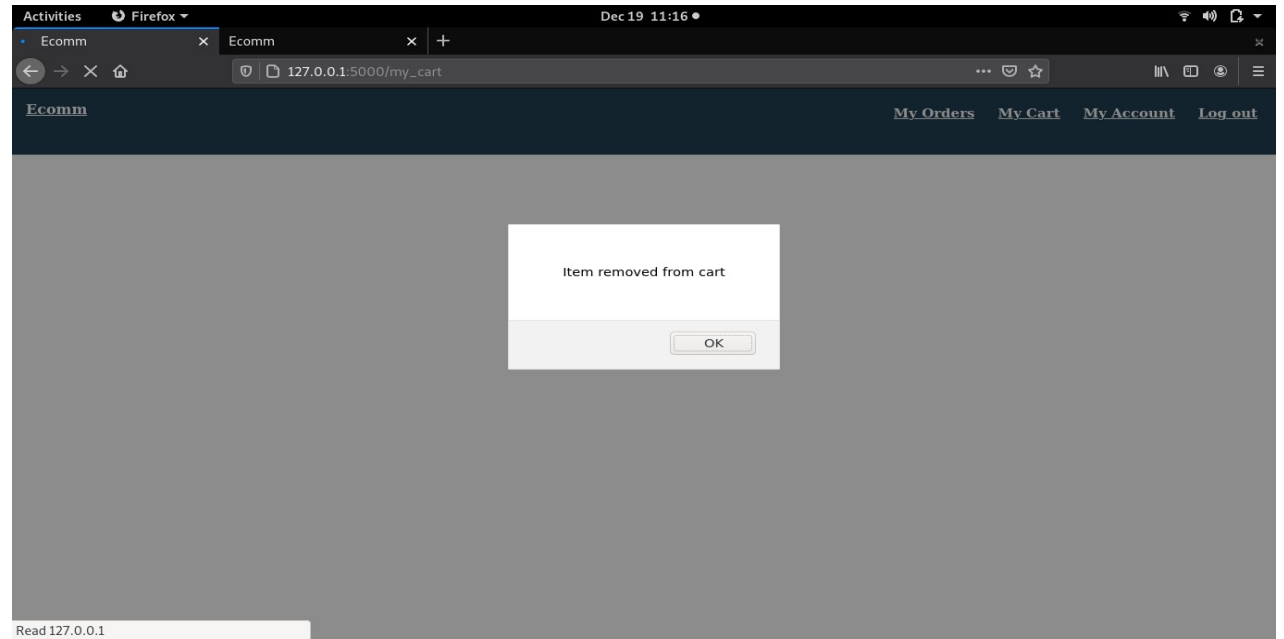
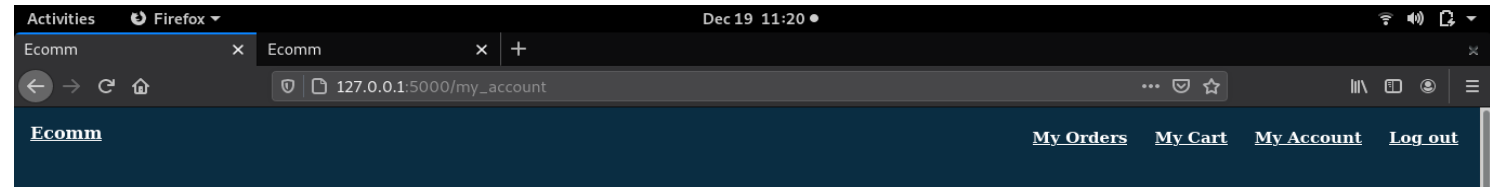- Order Products

- View Orders
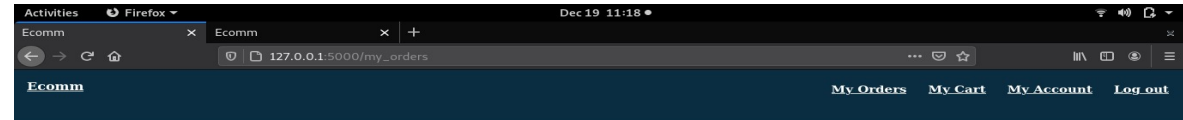
- View Personal Details

- Log out
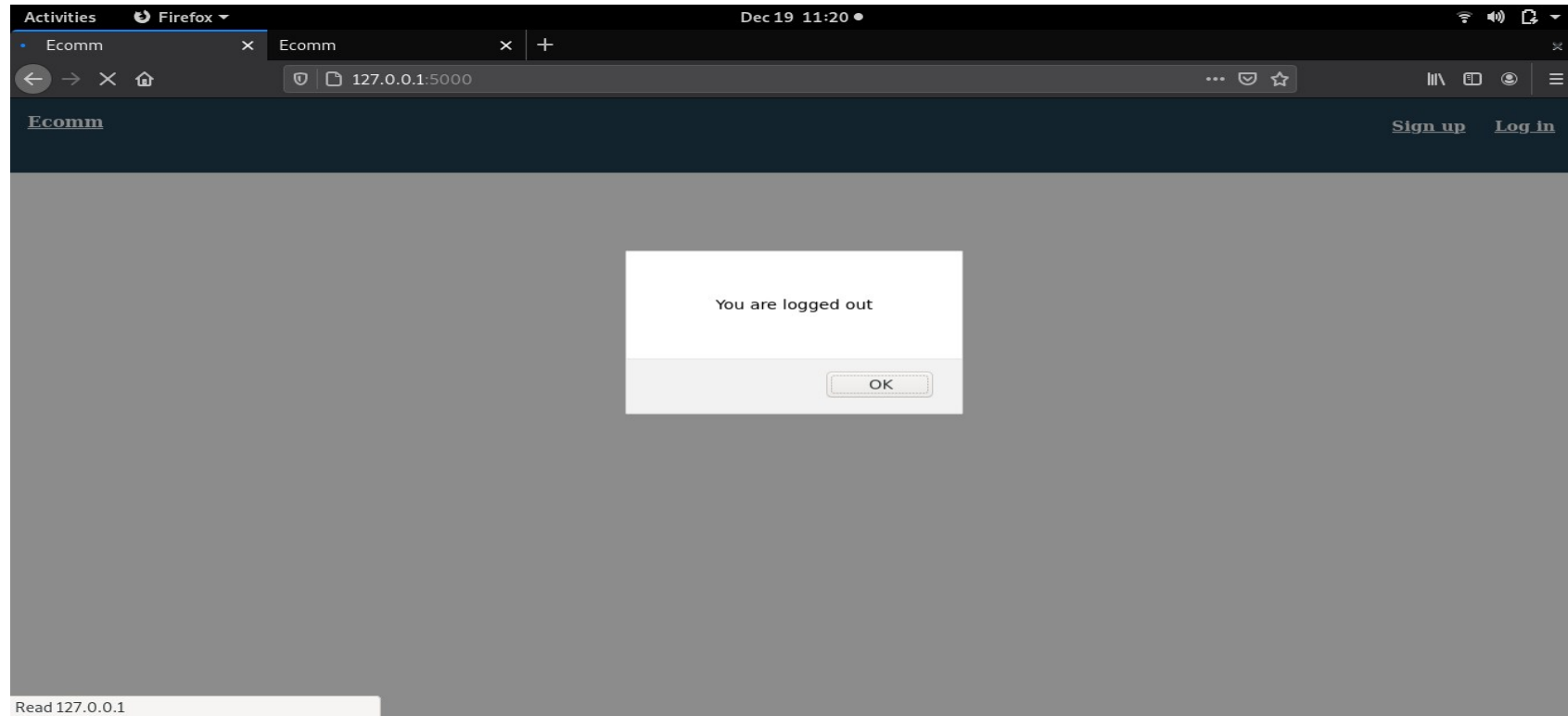
Implementation and Results for Admin

- Login
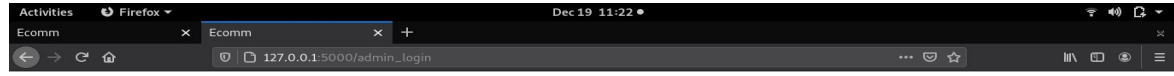
- Log out

- Dashboard

Dashboard   **Product Category**   **Products**   **Customers**   **Frequently Viewed Products**   **All Orders**   **Log out**
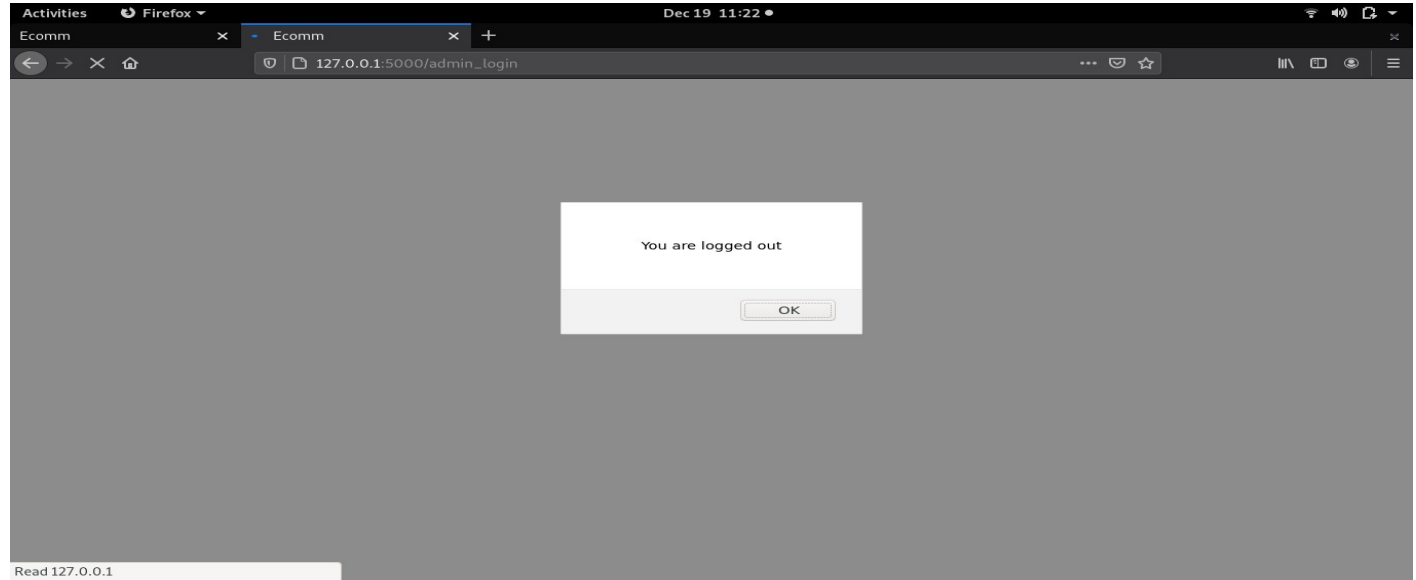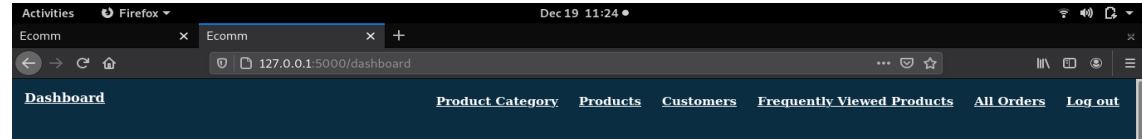
Filter Customers Based on Street or Village

Street Or Village	No. Of Customers
velim	3
18 june	2
park street	1
devil street	1

Filter Customers Based on City or Town

Ciry Or Town	No. Of Customers
Margao	3
Panajim	2
Getafe	1
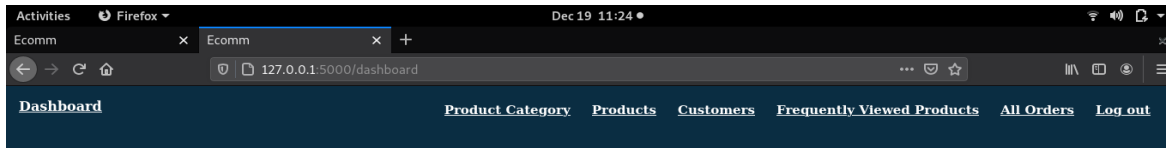
Dashboard   **Product Category**   **Products**   **Customers**   **Frequently Viewed Products**   **All Orders**   **Log out**

Number of Products in Customer cart

Username	No. Of Products In Cart
lucio	1
rahul	1
viru	3

Number of Products Customer has ordered

Username	No. Of Products Ordered
rohitur	5
viru	2
rahul	2
riz	1

- View Category of Products

- View Products

- # View Customer Details

Dashboard

Product Category   **Products**   **Customers**   **Frequently Viewed Products**   **All Orders**   **Log out**
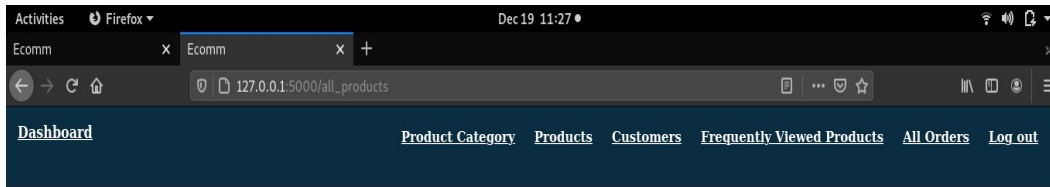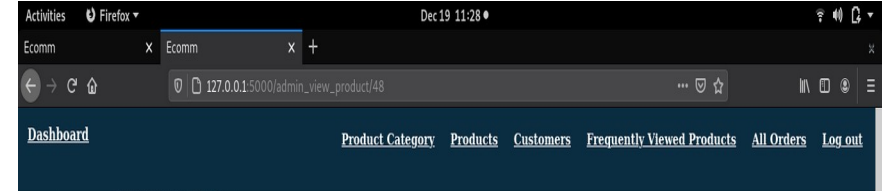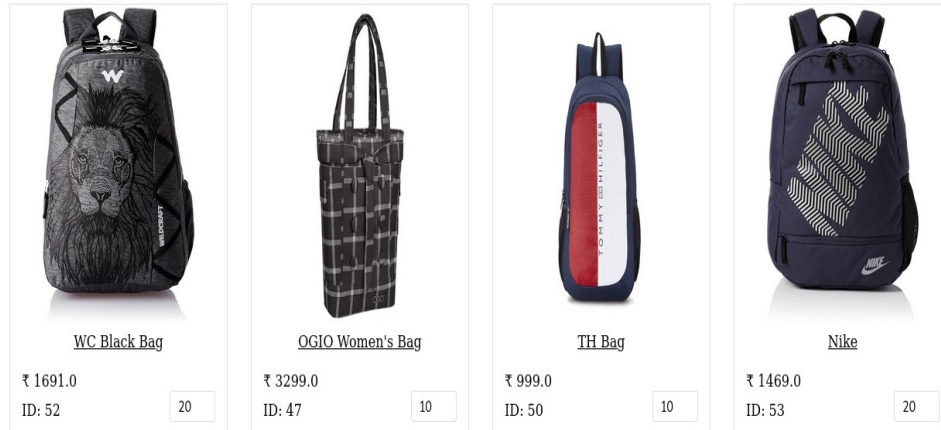
Users

Customer ID	Email	First Name	Last Name	Contact	HouseNo/FlatNo	Street/Village	City/Town	State	Country	Username
16	rohit@gmail.com	rohit	sharma	9675467345	567	velim	Margao	Goa	India	rohitur
17	singh@gmail.com	virat	singh	9856231454	67	18 june	Panajim	Goa	India	viru
18	srm@gmail.com	sergio	ramos	9634562312	78/A	park street	Getafe	Madrid	Spain	rmsr04
19	sanford@gmail.com	sanford	michello	1435678976	589	devil street	parkinson	Lusaka	Zambia	sanmic8
20	gomes@gmail.com	Lucio	Gomes	7889095432	23	18 june	Panajim	Goa	India	lucio
21	rahul@gmail.com	rahul	naik	6789367789	23	velim	Margao	Goa	India	rahul
22	riz@gmail.com	riz	fernandes	7889095432	34	velim	Margao	Goa	India	riz

- View Frequently Viewed Products
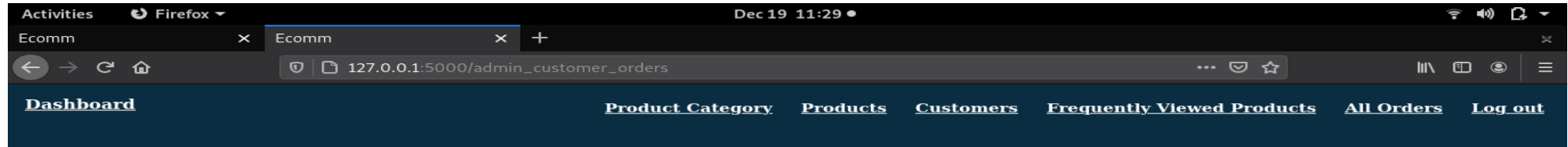
- View all Orders

All Orders

Order ID	Customer ID	Product ID	Quantity	Order Time	Sub Totak	Device IP	Status
1	16	9	1	2020-12-18 23:31:45	599.0	127.0.0.1	Order Placed
2	16	18	1	2020-12-18 23:31:45	15490.0	127.0.0.1	Order Placed
3	16	53	1	2020-12-18 23:31:45	1469.0	127.0.0.1	Order Placed
4	17	24	1	2020-12-19 00:01:02	869.0	127.0.0.1	Order Placed
5	17	47	1	2020-12-19 00:01:02	3299.0	127.0.0.1	Order Placed
6	21	49	1	2020-12-19 10:39:37	1299.0	127.0.0.1	Order Placed
7	21	58	1	2020-12-19 10:39:37	499.0	127.0.0.1	Order Placed
8	16	10	1	2020-12-19 10:47:39	1499.0	127.0.0.1	Order Placed
9	16	35	1	2020-12-19 10:47:39	1599.0	127.0.0.1	Order Placed
10	22	10	1	2020-12-19 11:18:23	1499.0	127.0.0.1	Order Placed

Reports

1) Find Products that are in customer carts

| Spain | 1 |
| Zambia | 1 |

Number of Products in Customer cart

Username	No. Of Products In Cart
lucio	1
rahul	1
viru	3

Number of Products Customer has ordered

Username	No. Of Products Ordered
rohitur	5

2)Filter customers based on their address

Dashboard

Product Category   **Products**   **Customers**   **Frequently Viewed Products**   **All Orders**   **Log out**

Filter Customers Based on State

State	No. Of Customers
Goa	5
Madrid	1
Lusaka	1

Filter Customers Based on Country

Country	No. Of Customers
India	5
Spain	1
Zambia	1

3)Find number of products in customer cart

– Based on 1)

4)Find number of products the customer has ordered

Ecomm   ✕   Ecomm   ✕   +

127.0.0.1:5000/dashboard

Dashboard   **Product Category**   **Products**   **Customers**   **Frequently Viewed Products**   **All Orders**   **Log out**

Number of Products in Customer cart

Username	No. Of Products In Cart
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Number of Products Customer has ordered

Username	No. Of Products Ordered
rohitur	5
viru	2
rahul	2
riz	1

5) Frequently Viewed Products

6)Recently Ordered Products

Future Scope

- Complete the project
- Add all the functionalities of the admin
- Add payment method
- Increase functionalities of the website based on the requirement

Thank You