C3 BATCH GROUP - 8

Capstone project presentation
SHOP FOR HOME

Mentor

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TEAM MEMBERS :

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RTIK PATIDAR

Problem Statement

User Stories

- As a user I should be able to Login, Logout and Register into the application,as a user I should be able to see the products in different categories.As a user I should be able to add the products to cart ,increase and decrease the quantity .As a user I should be able to add products to wishlist and get different discount coupons. User should be able to sort the products.

Admin Stories

- As an Admin I should be able to Login, Logout into the application, I should be able to do CRUD operations of users and products. I should be able to get the stock ,out of stock products, sales report of a specific duration,bulk upload option to upload a csv for products details and able to set the discount coupons for the specific set of users.

Introduction

- This document aims to give a brief description about shop for home web application using angular, Spring Boot a my sql workbench.
- The main aim of this project is to build an shop for home website of home décor items in the Covid situation where all the offline shops are closed.
- shop for home is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web.
- 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.

Objectives

- The objective of this project is to develop a general purpose e-commerce store where product like clothes,furnitures,home decors and all can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online shopping for products.A shop for home website that allows people to buy and sell physical goods, services, and digital products over the internet.

Abstract

- Shop for home is process of doing business through computers.
- A user can easily access all the facilities of the Internet to buy or sell the products.
- Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time.
- user can browse online shops, compare prices and order merchandise sitting at home on their PC.
- To achieve this we used Java Full Stack to develop an ecommerce like our existing system **SHOP FOR HOME**.
- We used angular for developing the frontend part and java spring boot for backend and to store the data we used mysql workbench.

Technologies and Tools Used

- Java JDK Version—11
- Spring Tool Suite for developing Back End part.
- Angular Version – 14
- Visual Studio Code for developing Front End part
- MySQL Database
- node js

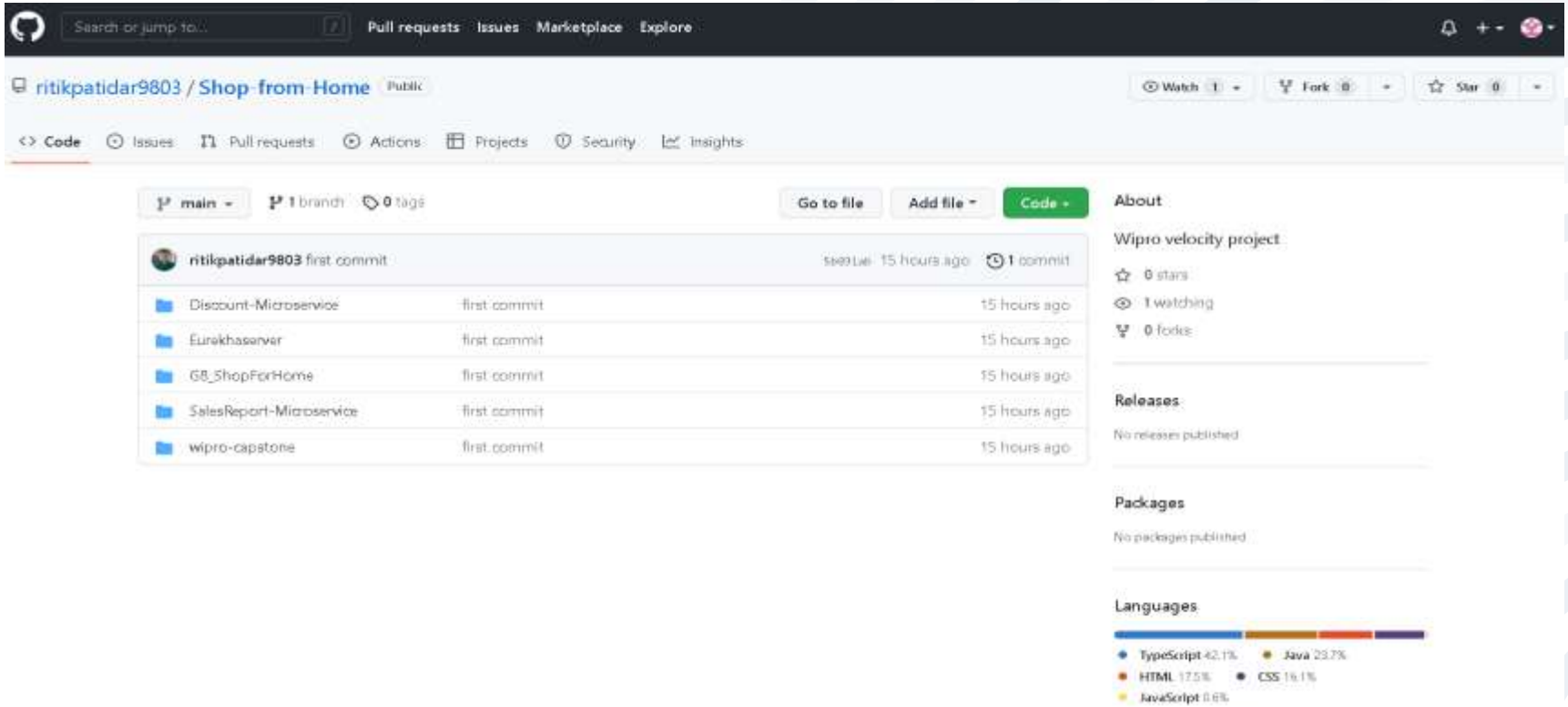
Implementation

- Implementation of this capstone project is done 2 sprints

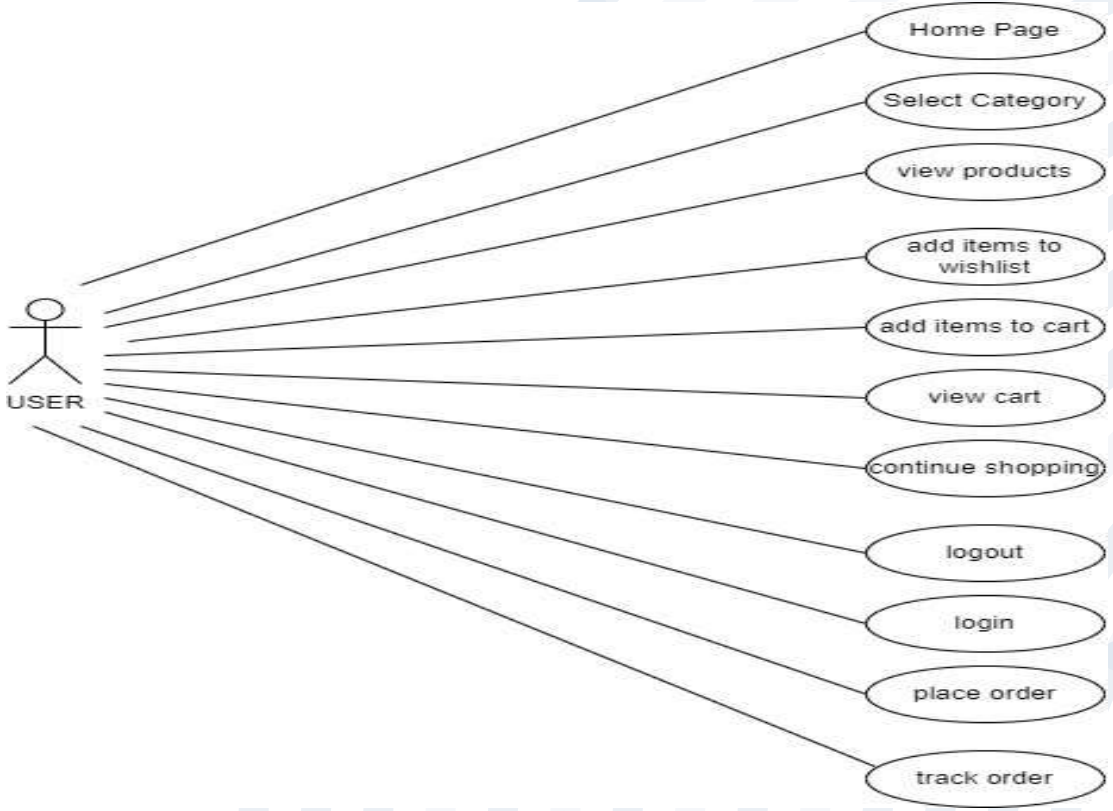
  1.Backend 2.Frontend

- In the first sprint we have implemented our backend in STS. We have created a Spring project and created a layered structure which consists of DTO, Entity , Service, Repository, and Controller class.
- In this we have register, login, signup operations of both admin and user in addition to this we have user operation and product operations.and done with discount ,sales-report microservices.
- In the second sprint we have implemented our frontend in vs code.We have created many components like cart,categories,home,register,login..so on and services like rest ,myorders,email,orderdetails..so on.
- Also downloaded some images of products and placed all the product images in assets and mentioned the path in required fields.

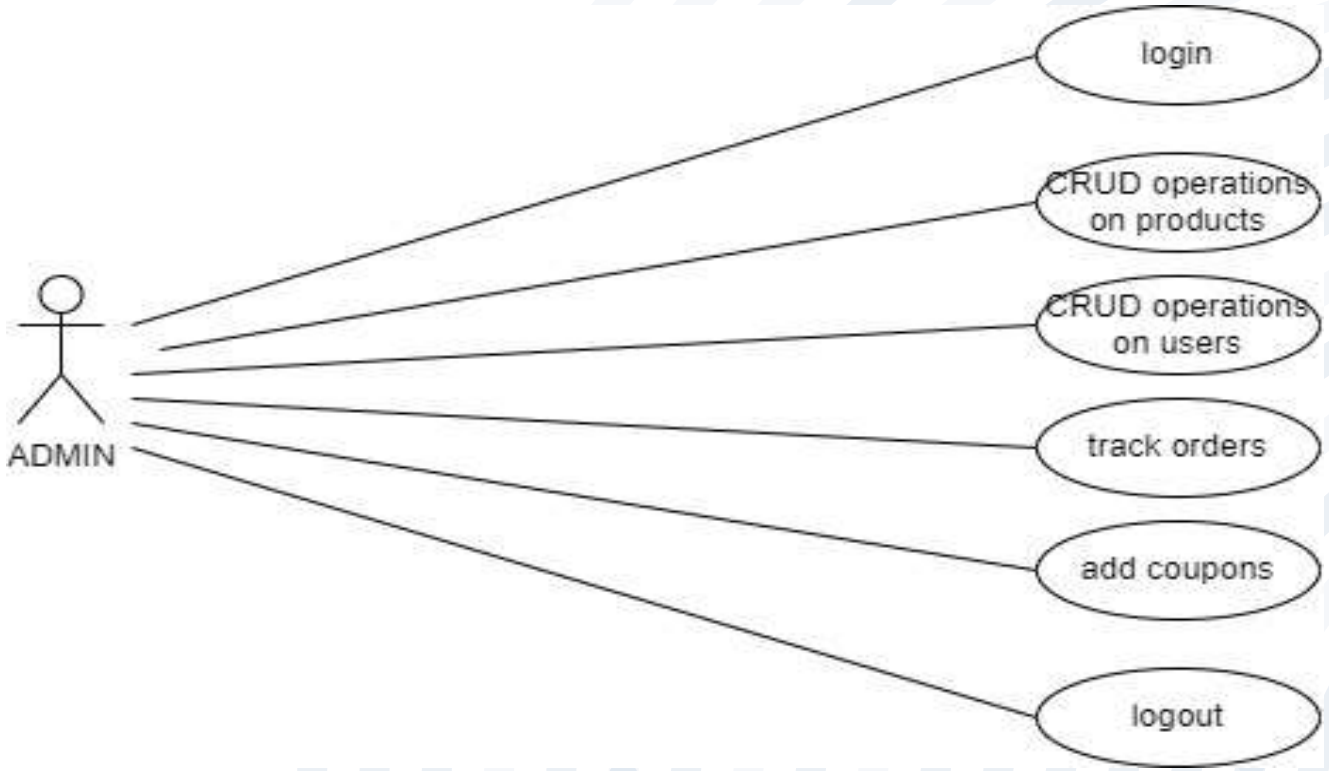
Git Repository



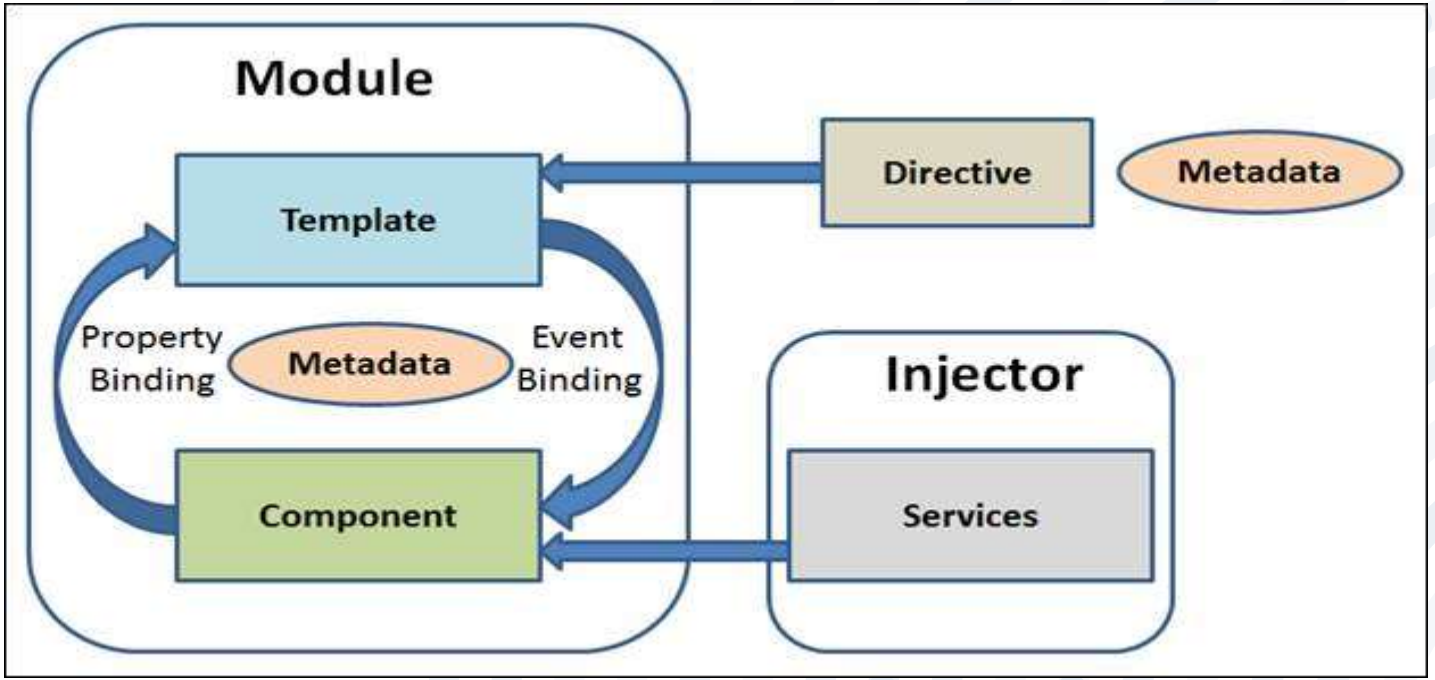
Usecase Diagram of User



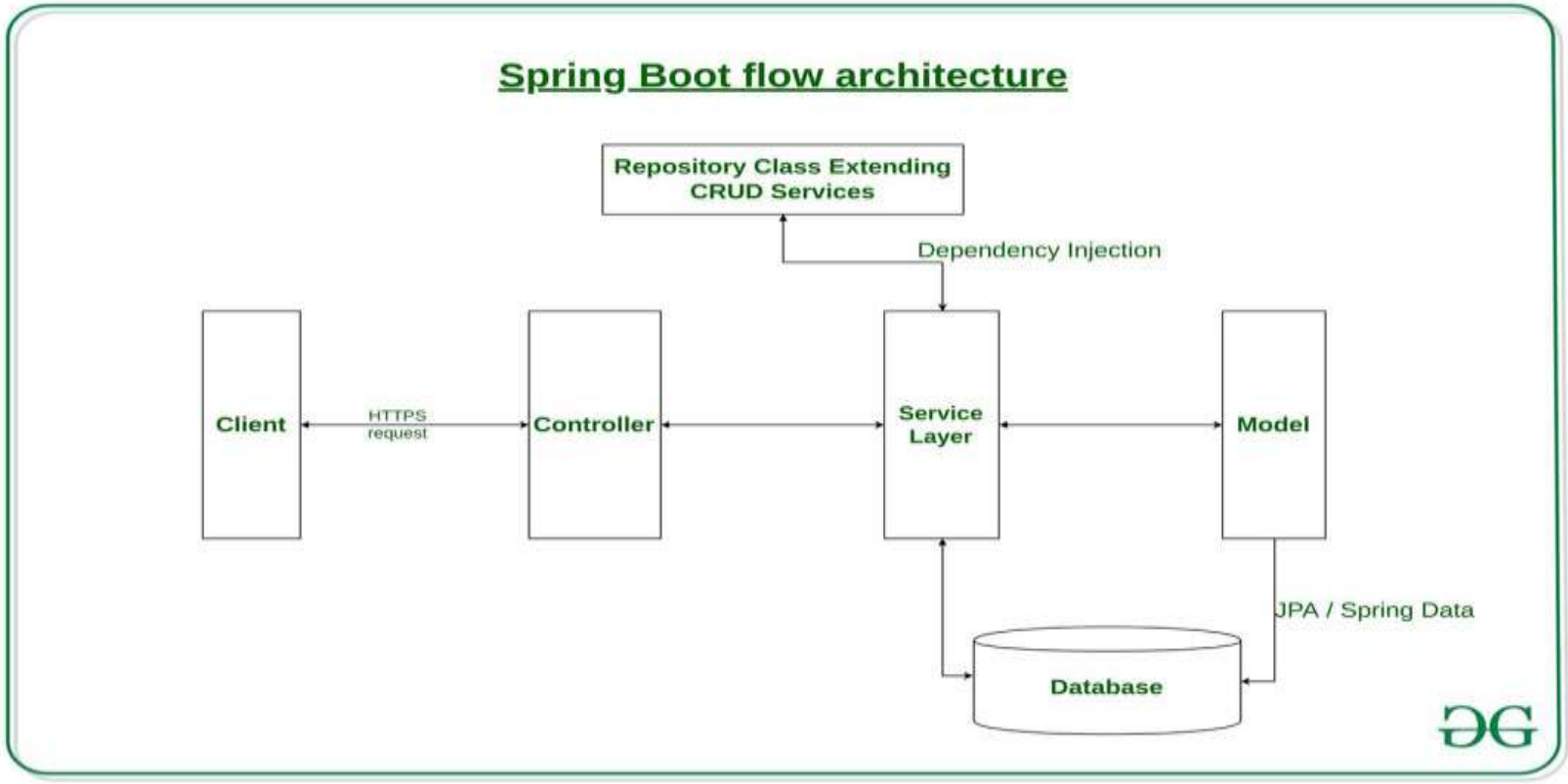
Usecase Diagram of Admin



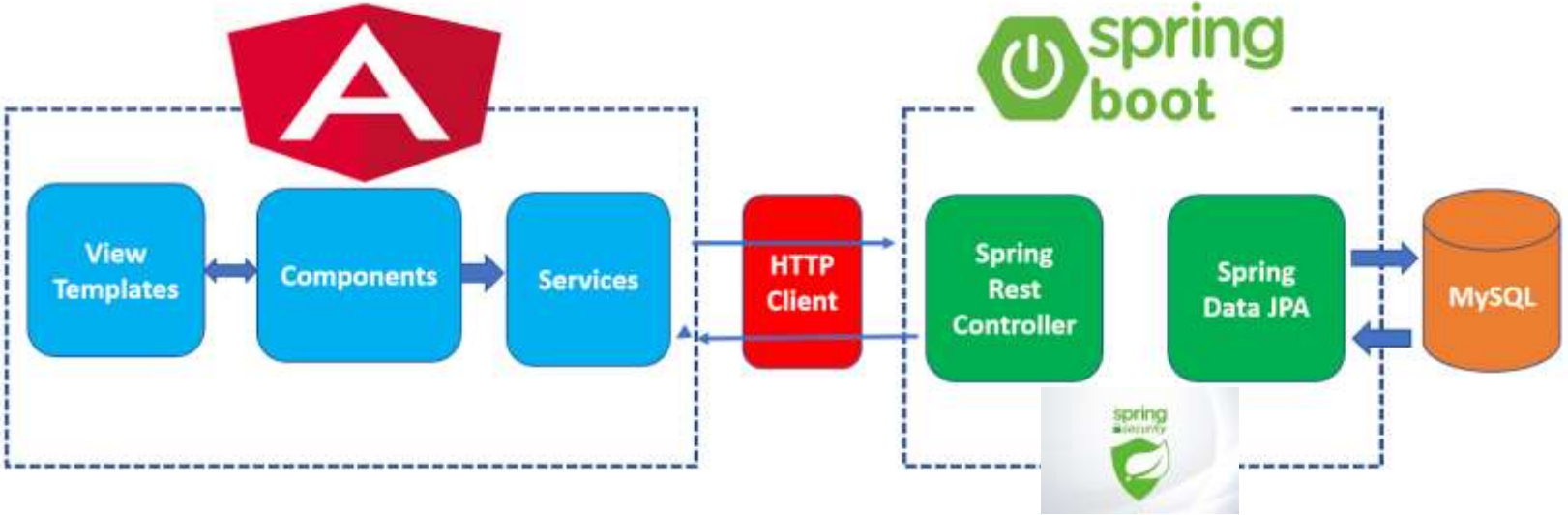
Angular Flow Architecture



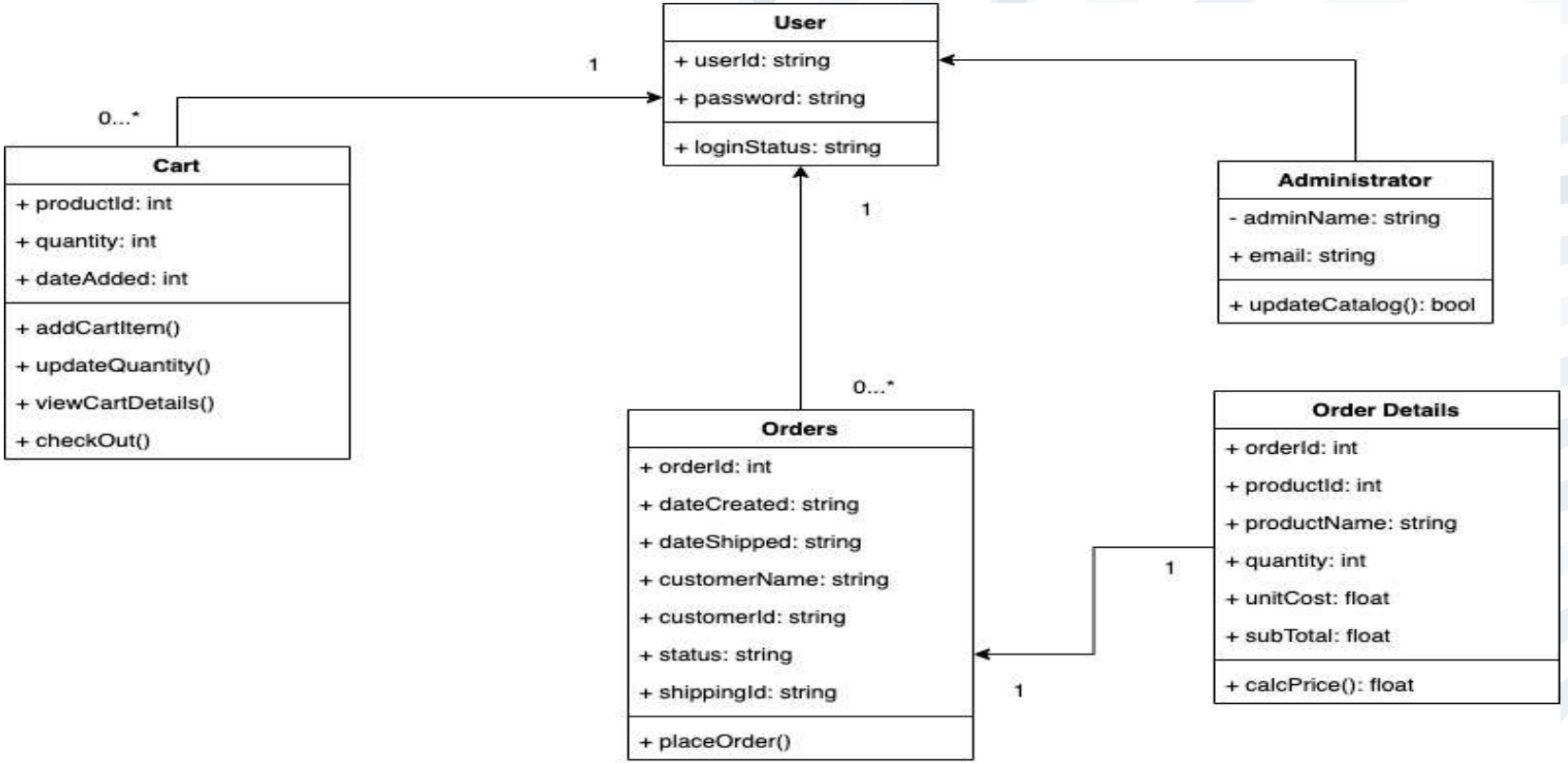
Spring Boot Flow



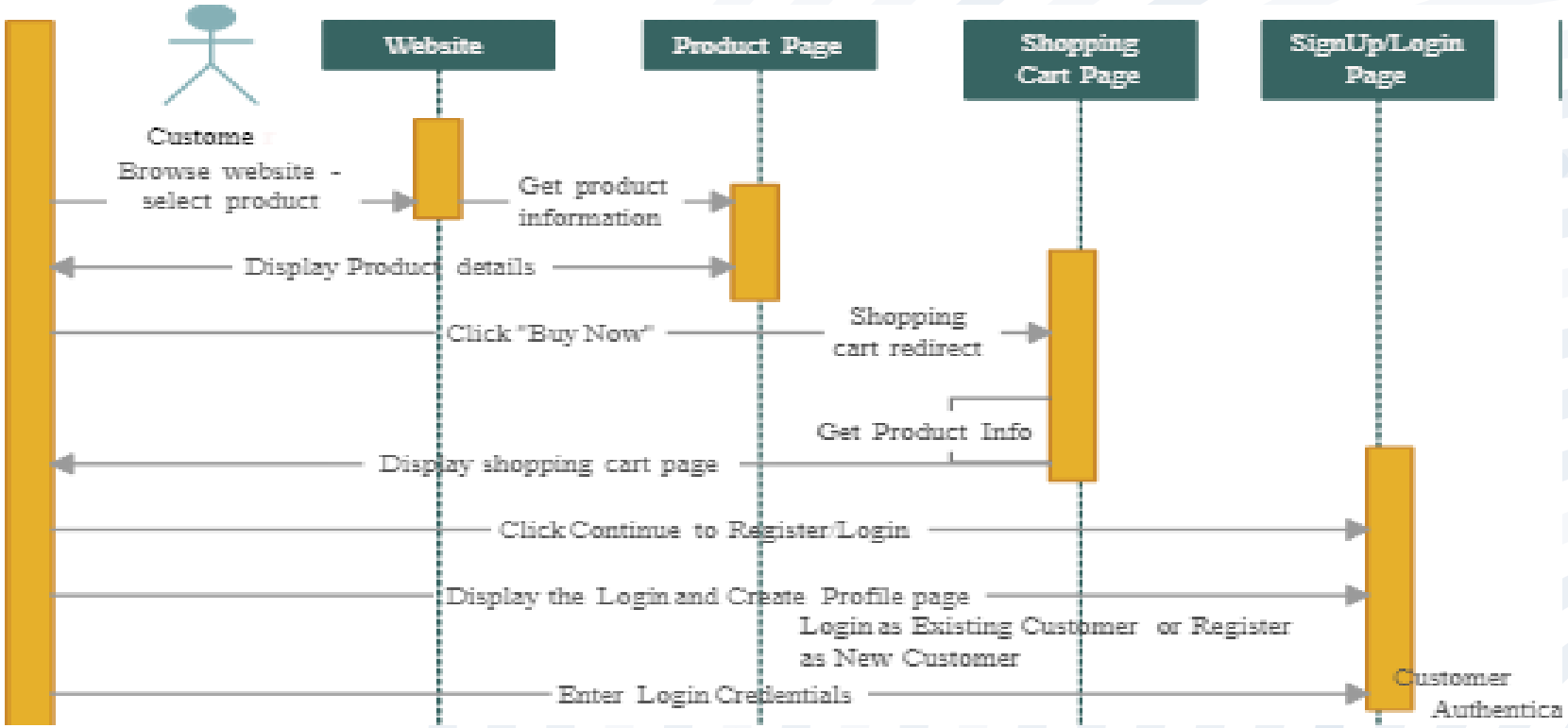
Spring Boot and Angular Flow Architecture



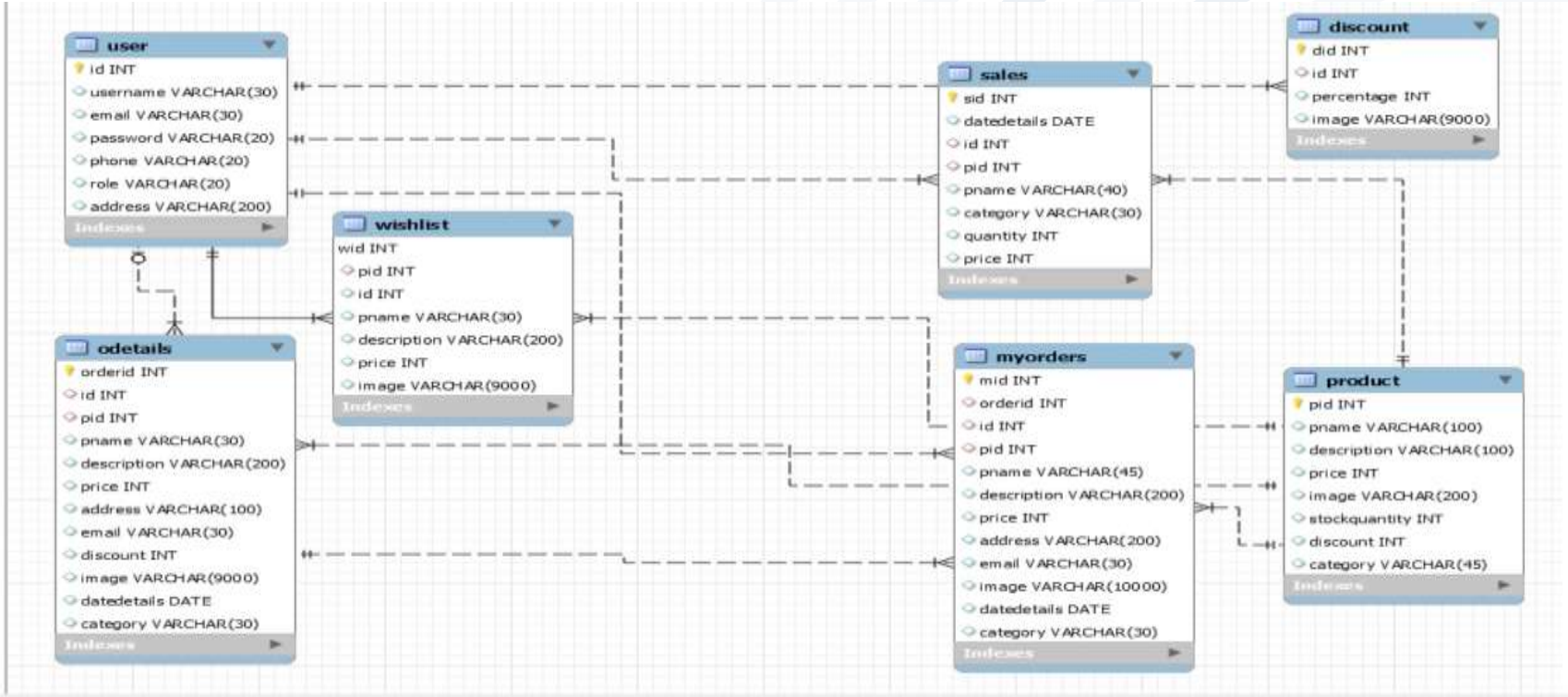
Class Diagram



Sequence Diagram



ER Diagram


user
id INT
username VARCHAR(30)
email VARCHAR(30)
password VARCHAR(20)
phone VARCHAR(20)
role VARCHAR(20)
address VARCHAR(200)
Indexes
wishlist
wid INT
pid INT
id INT
pname VARCHAR(30)
description VARCHAR(200)
price INT
image VARCHAR(9000)
Indexes
odetails
orderid INT
id INT
pid INT
pname VARCHAR(30)
description VARCHAR(200)
price INT
address VARCHAR(100)
email VARCHAR(30)
discount INT
image VARCHAR(9000)
datedetails DATE
category VARCHAR(30)
Indexes
sales
sid INT
datedetails DATE
id INT
pid INT
pname VARCHAR(40)
category VARCHAR(30)
quantity INT
price INT
Indexes
discount
did INT
id INT
percentage INT
image VARCHAR(9000)
Indexes
myorders
mid INT
orderid INT
id INT
pid INT
pname VARCHAR(45)
description VARCHAR(200)
price INT
address VARCHAR(200)
email VARCHAR(30)
image VARCHAR(10000)
datedetails DATE
category VARCHAR(30)
Indexes
product
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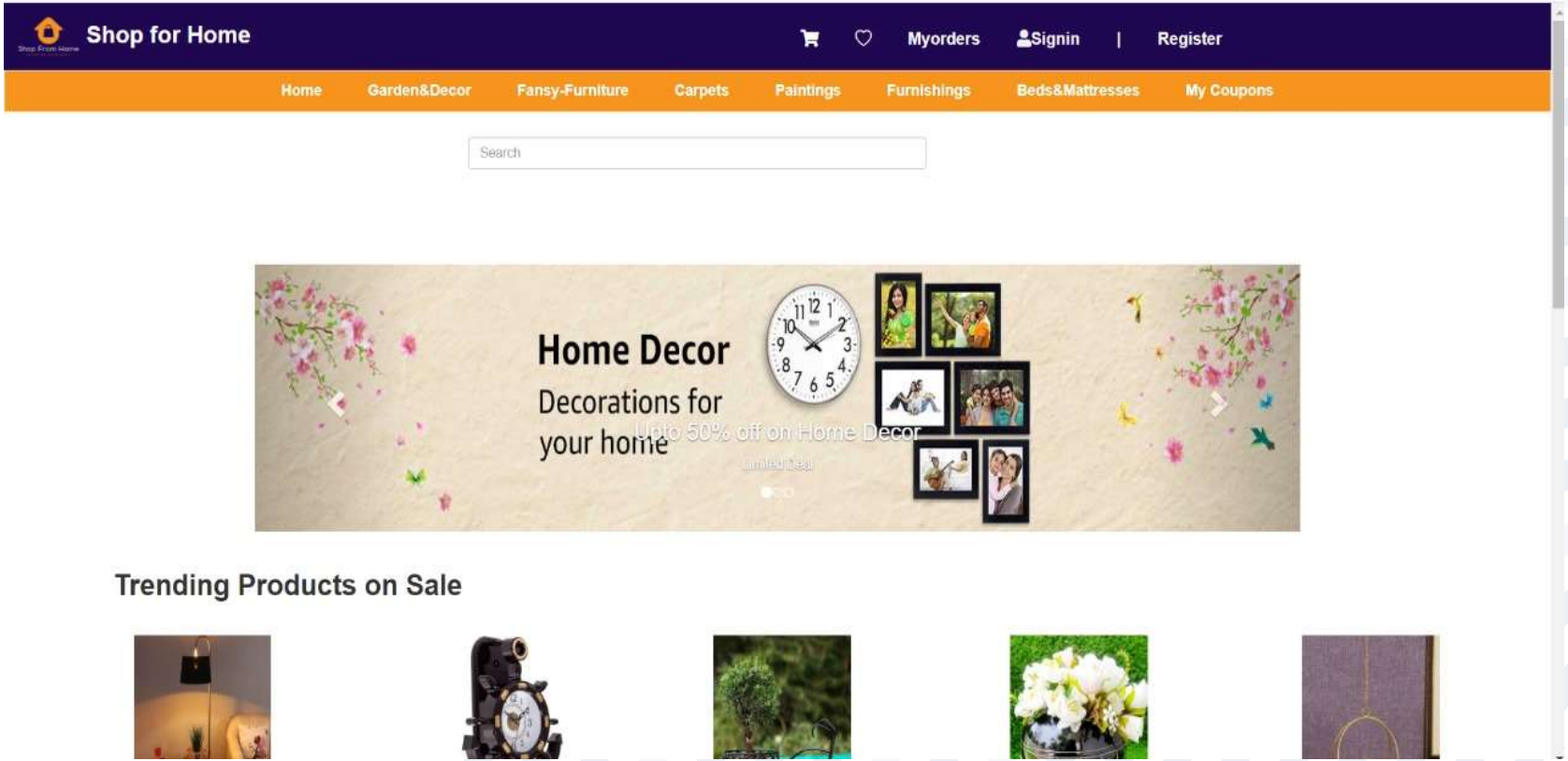
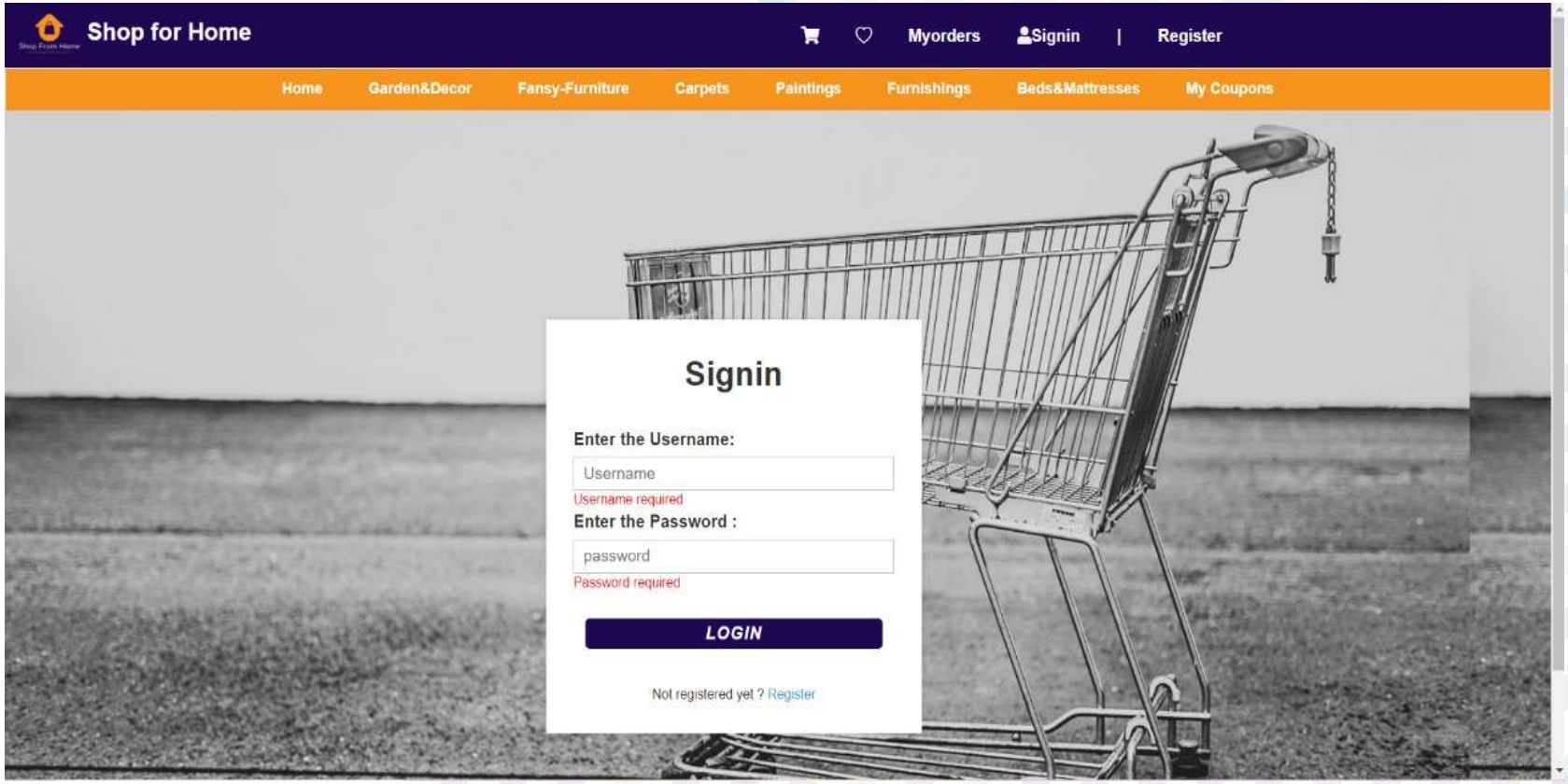
pname VARCHAR(100)
description VARCHAR(100)
price INT
image VARCHAR(200)
stockquantity INT
discount INT
category VARCHAR(45)
Indexes

Home page


Shop for Home
Myorders
Signin
Register
Home
Garden&Decor
Fansy-Furniture
Carpets
Paintings
Furnishings
Beds&Mattresses
My Coupons
Search
Home Decor
Decorations for
your home
Upto 50% off on Home Decor
Trending Products on Sale

Signin page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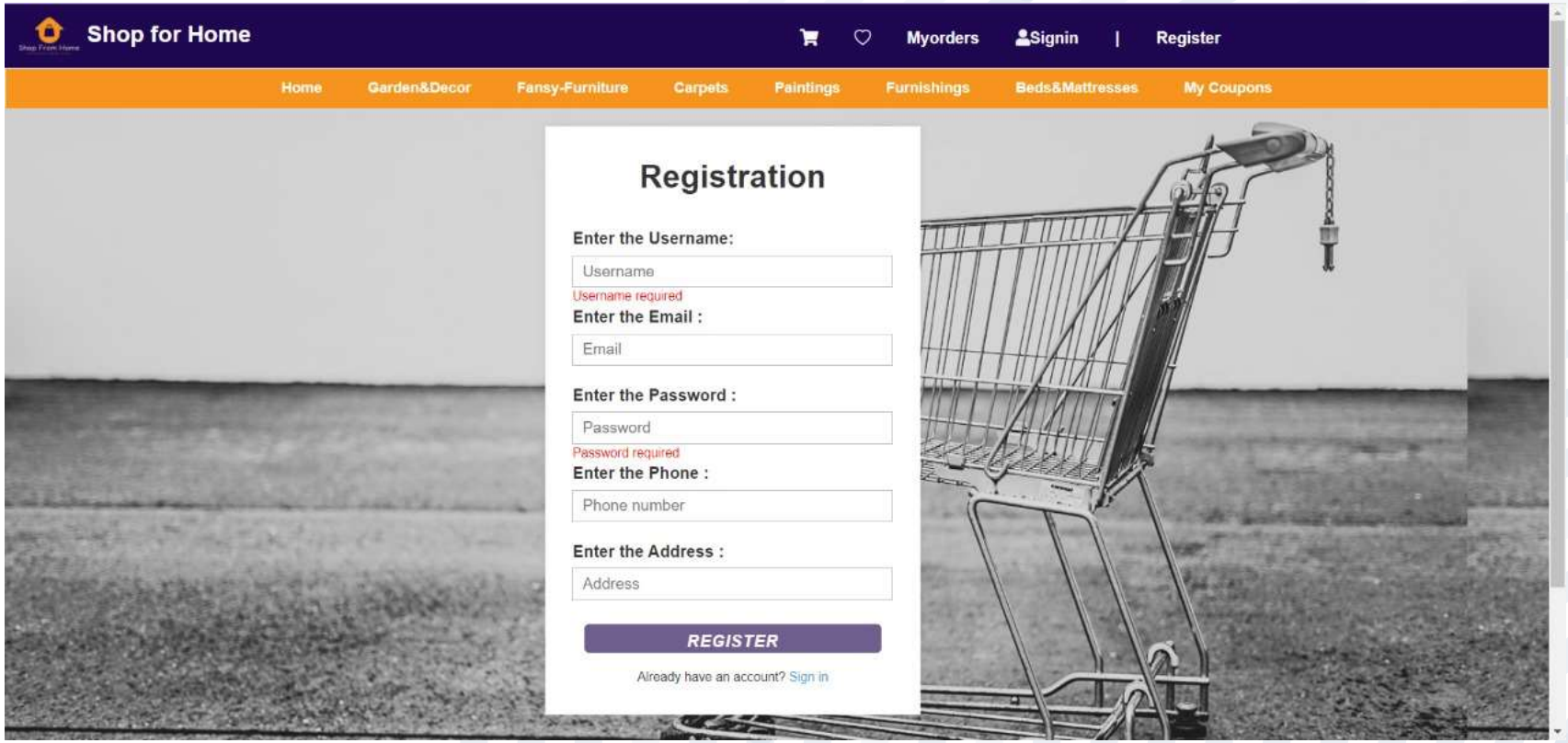
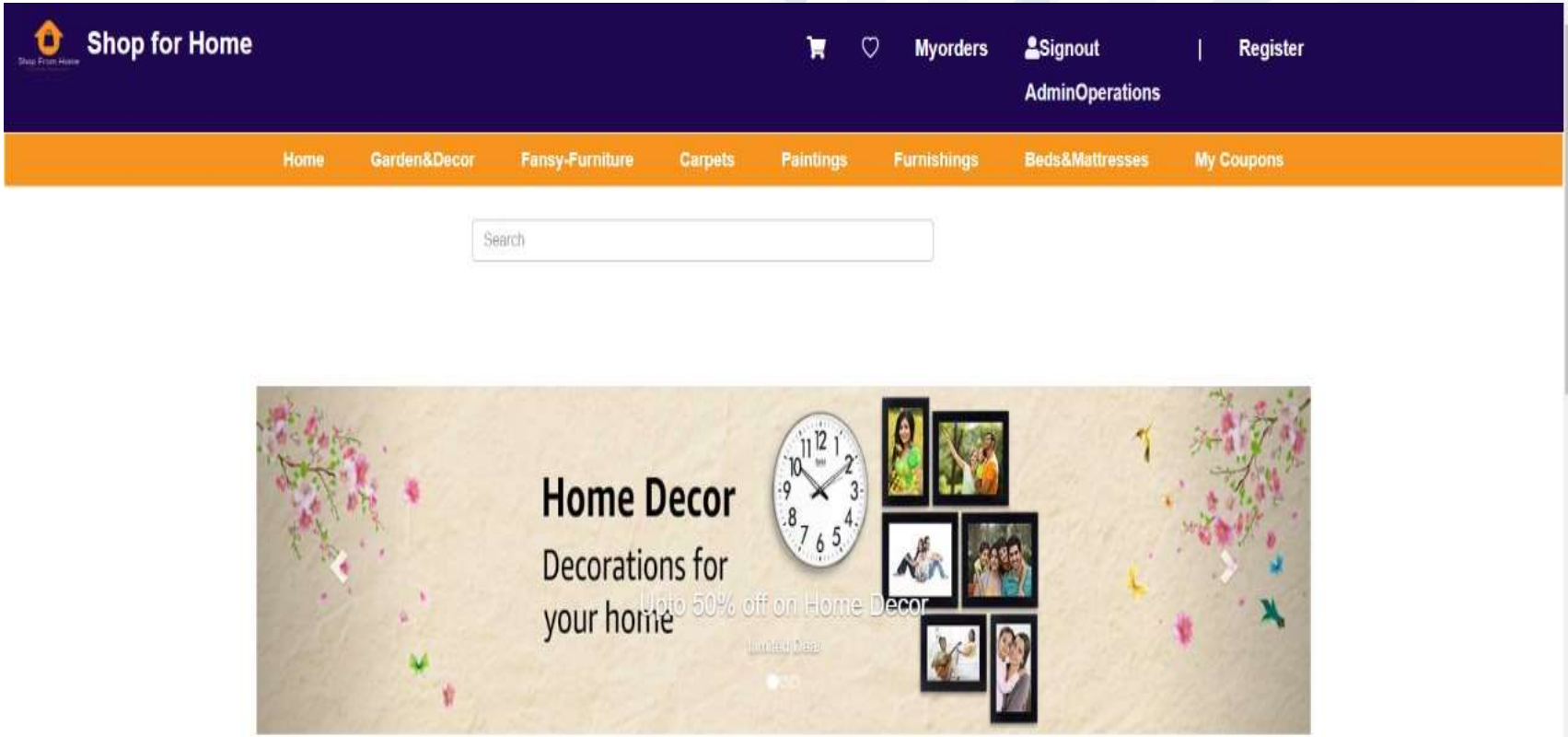
Beds&Mattresses
My Coupons
Signin
Enter the Username:
Username
Username required
Enter the Password :
password
Password required
LOGIN
Not registered yet ? Register

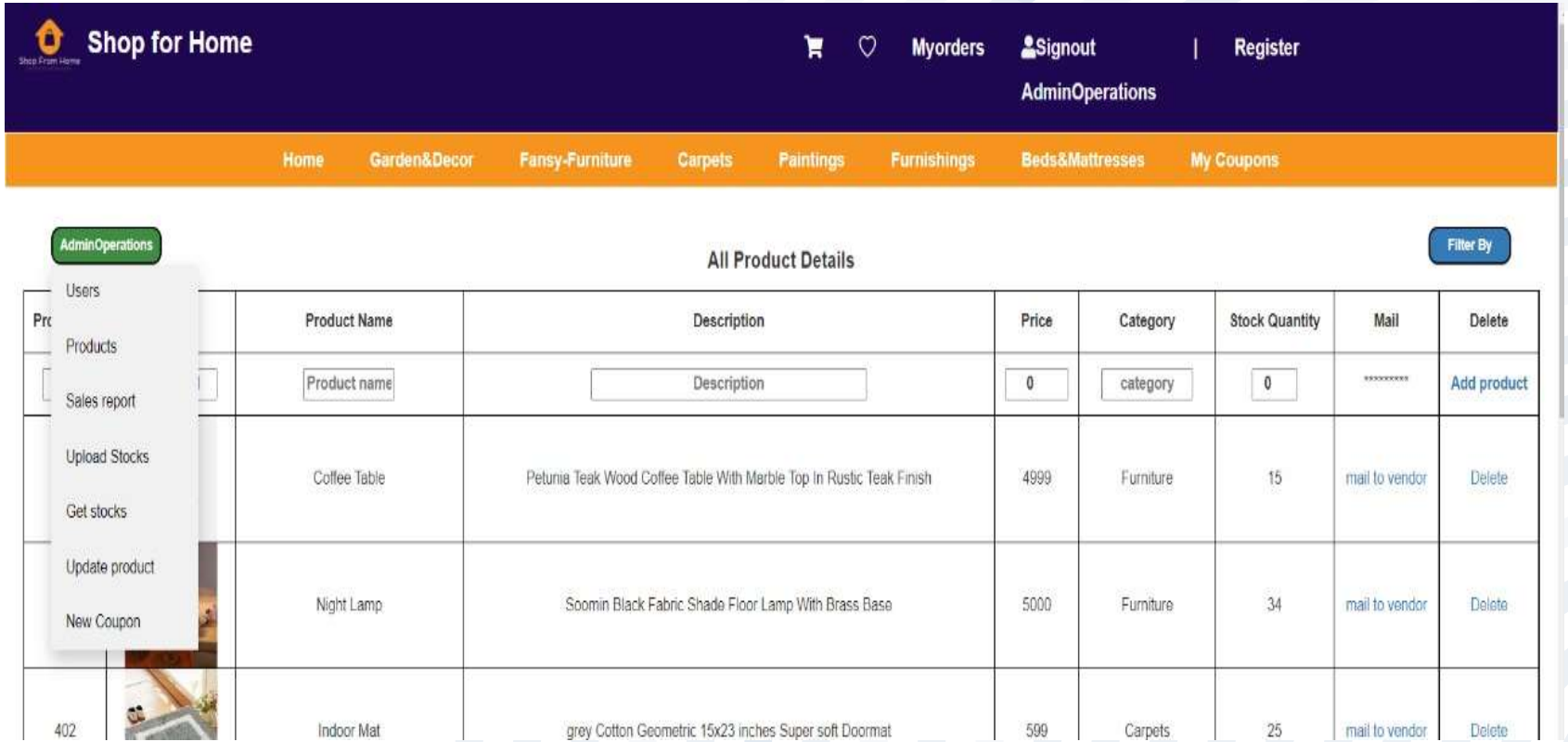
User's Registration



Admin Dashboard

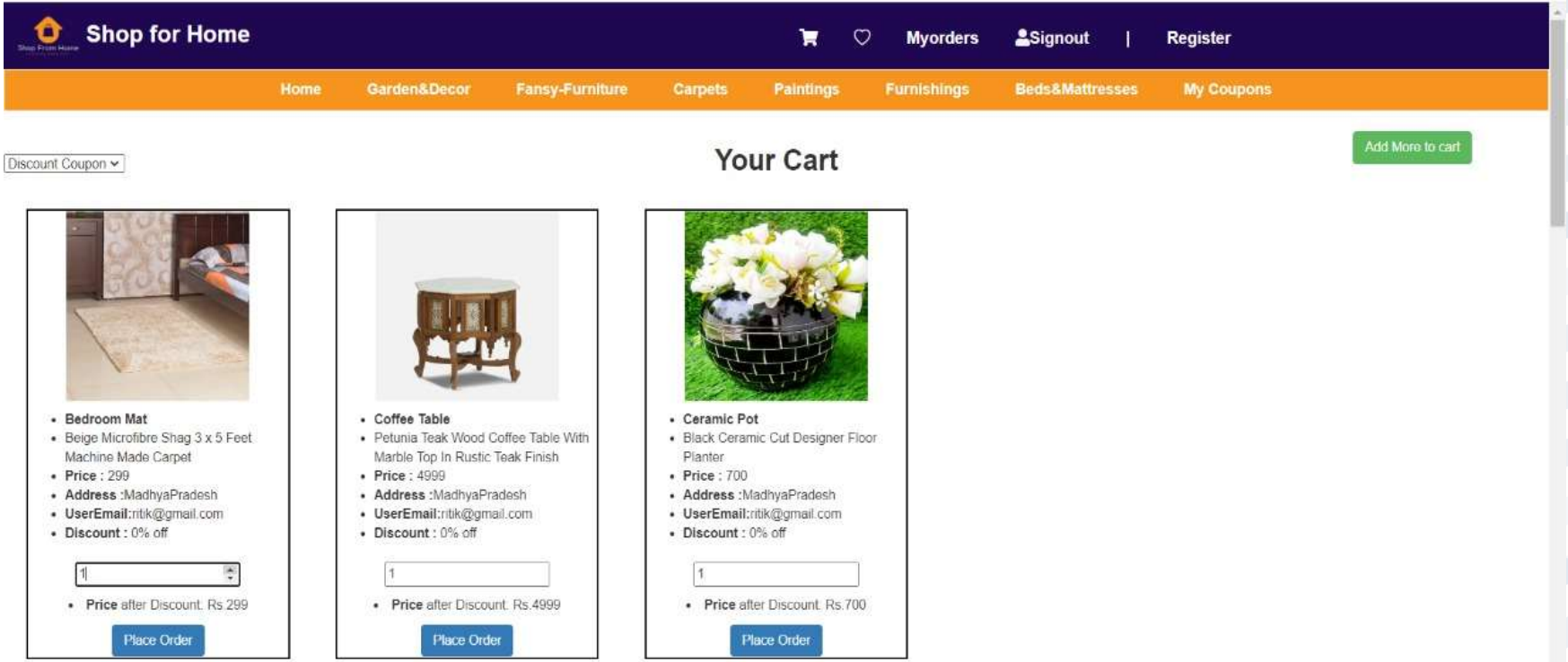


Admin Operations



Discount Coupons

User Cart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|
Register
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Garden&Decor
Fansy-Furniture
Carpets
Paintings
Furnishings
Beds&Mattresses
My Coupons
Discount Coupon
Your Cart
Add More to cart
Bedroom Mat
Beige Microfibre Shag 3 x 5 Feet Machine Made Carpet
Price : 299
Address :MadhyaPradesh
UserEmail:ritik@gmail.com
Discount : 0% off
1
Price after Discount. Rs 299
Place Order
Coffee Table
Petunia Teak Wood Coffee Table With Marble Top In Rustic Teak Finish
Price : 4999
Address :MadhyaPradesh
UserEmail:ritik@gmail.com
Discount : 0% off
1
Price after Discount. Rs.4999
Place Order
Ceramic Pot
Black Ceramic Cut Designer Floor Planter
Price : 700
Address :MadhyaPradesh
UserEmail:ritik@gmail.com
Discount : 0% off
1
Price after Discount. Rs.700
Place Order

User Wishlist

Shop for Home

Myorders | Signout | Register

Home | Garden&Decor | Fansy-Furniture | Carpets | Paintings | Furnishings | Beds&Mattresses | My Coupons

Welcome to Your Wishlist

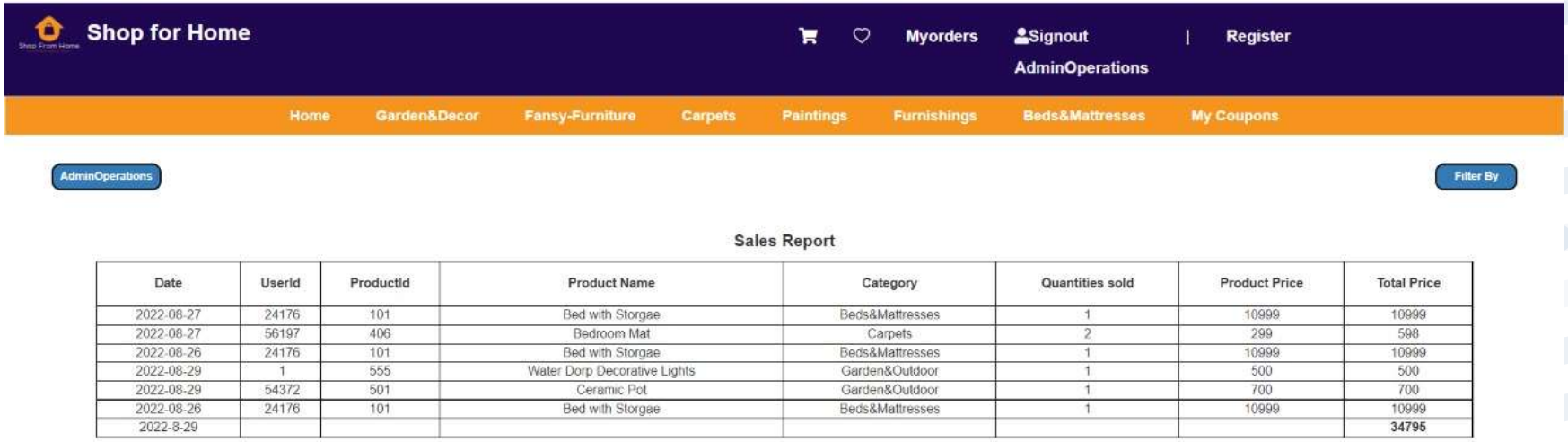
Add More to wishlist

- **Wall Mounted Planter**
- Oval (Set of 4) Engineered Wood Wall Hanging Planter
- **Price :** 1999

- **Water Dorp Decorative Lights**
- Pacel lights of 10meters
- **Price :** 500

- **Bedroom carpet**
- Black Polyester Geometric 3 x 5 Feet Machine Made Carpet
- **Price :** 599

Sales - Report Page



Conclusion

- This shop for home web application will help both sellers and buyers can do their work much easier by sitting in home through internet.This system will be more helpful in covid sityuations also.All the user and admin operations are also done smoothly using this application.

Thank You

Thanks for your attention

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