

# **WIPRO CAPSTONE PROJECT**

## **SHOP FOR HOME**

### **C3 - G10**

Submitted in the partial fulfilment of the requirements  
for Wipro certification

## **JAVA FULL STACK DEVELOPMENT**

Submitted by

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## **ABSTRACT**

Shop for home ordering Platform is a form of household e-commerce which allows consumers to directly buy goods or services from a seller over the internet using a web browser. Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine, which displays the same products availability and pricing at different e-retailers. As of 2020, customers can shop online using a range of different Household appliances. Users can login to the website to shop the products for home decoration. It has the features of add to cart, wishlist and make orders from home. Typical online store enables the customer to browse the firms range of products and services.

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# **CHAPTER-1**

## **INTRODUCTION**

This project Shop for Home has been developed in Angular, Java Spring Boot and MySQL. The Shop for Home project is an application which is based on managing the Home-decor and sell the household items online. The main purpose for developing this project in Angular and Java Spring Boot is to manage all the details about home decor item, home decor category, company, order, sales etc. There are two categories of user available in this project. First one is admin and second one is user. Admin can add home-décor item category and can also manage the sales details. This Angular project very helpful for maintaining the sales activity in household item. In this project customer can see the details of home-decor item category etc. Only Admin can edit or delete the details of Home-decor item.

### **1.1 PURPOSE**

The main purpose of this module is to provide all the functionality related to customers. It tracks all the information and details of the customer. We have developed all Category of CRUD (Create, Read, Update and Delete) operations of the customers. This is a role-based module where admin can perform each and every operation on data but the customer will be able to view only his/her data, so access level restrictions has also been implemented on the project. We also provide customized Angular and Java Spring Boot" Projects for beginners.

## **1.2 User-Requirements:**

1. As a user I should be able to login, Logout and Register into the application.
2. As a user I should be able to see the products in different categories.
3. As a user I should be able to sort the products.
4. As a user I should be able to add the products into the shopping cart.
5. As a user I should be able to increase or decrease the quantity added in the cart.
6. As a user I should be able to add “n” number of products in the cart.
7. As a user I should be able to get the Wishlist option where I can add those products which I want but don’t want to order now
8. As a user I should get different discount coupon.

## **1.3 Admin-Requirements:**

1. As an Admin I should be able to login, Logout and Register into the application.
2. As an Admin I should be able to perform CRUD on Users.
3. As an Admin I should be able to Perform CRUD on the products.
4. As an Admin I should be able to get bulk upload option to upload a csv for products details
5. As an Admin I should be able to get the stocks.
6. As an Admin I should be able to mail if any stock is less than 10.
7. As an Admin I should be able to get the sales report of a specific duration.
8. As an Admin I should be able to set of users

# CHAPTER-2

## TECHNOLOGIES REQUIRED

We have developed this project using the below technology

- **HTML:** Page layout has been designed in HTML
- **CSS:** CSS has been used for all the designing part
- **BOOTSTRAP:** It has been used for designing part
- **JavaScript:** All the validation task and animations has been developed by JavaScript
- **Java Spring Boot:** All the business and backend API logic has been implemented in Java Spring Boot
- **.SQL:** .SQL files has been used as database for the project
- **Angular:** All the frontend logic has been implemented over the Angular and we used angular CLI for it
- **Visual Studio Code-(VSS):** For Angular IDE, we have used Visual Studio Code
- **STS:** We have used STS (Spring Tool Suite) for developing all spring boot API's
- **Tomcat:** Project will be run over the Tomcat server

### 2.1 Supported Operating System

We can configure this project on following operating system.

- **Windows:** This project can easily be configured on windows operating system.

## **2.2 Features of the application:**

1. Registration
2. Login
3. Searching
4. Filtering
5. Sorting
6. Dynamic data
7. Responsive and compatible with different devices

# CHAPTER-3

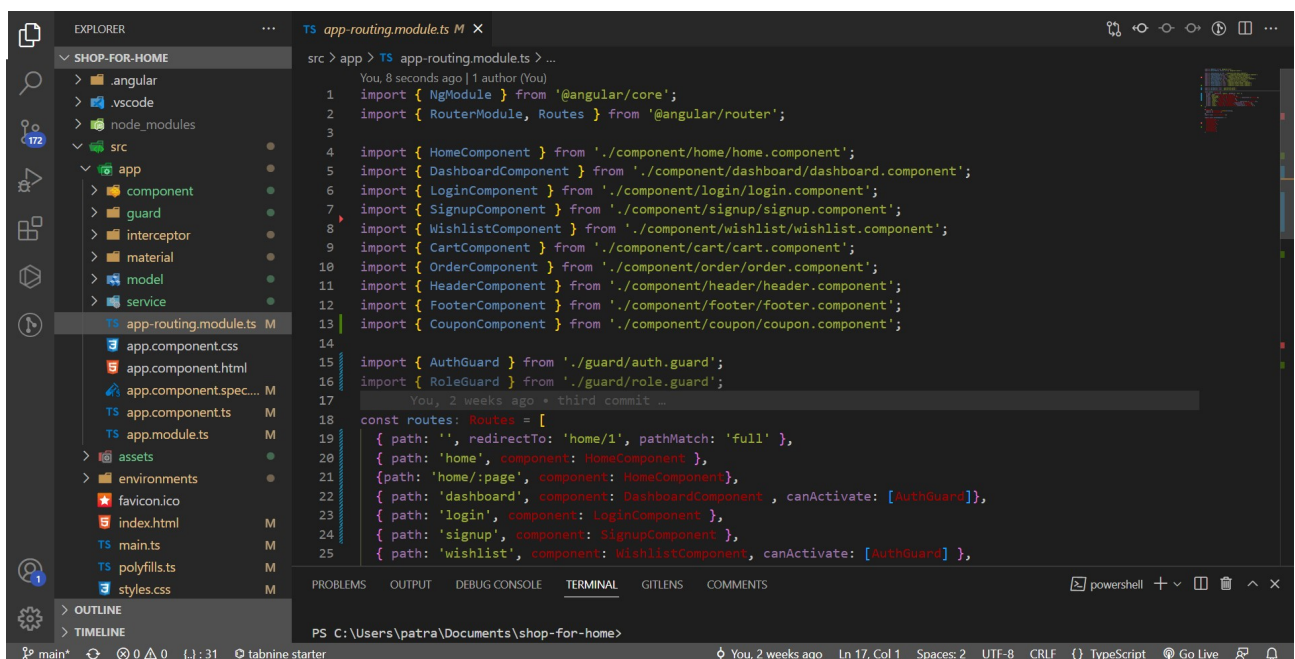
## SOFTWARE USED

### 3.1 Front End

From your local FrontEnd code path -> open cmd

Eg -> {local path}\ecommerce-eshop\frontend

- Run this command -- code .
- Run Npm install from vs code terminal
- Run npm start
- After the successful compiling you got this link in terminal localhost/4200.
- Open this link in google chrome



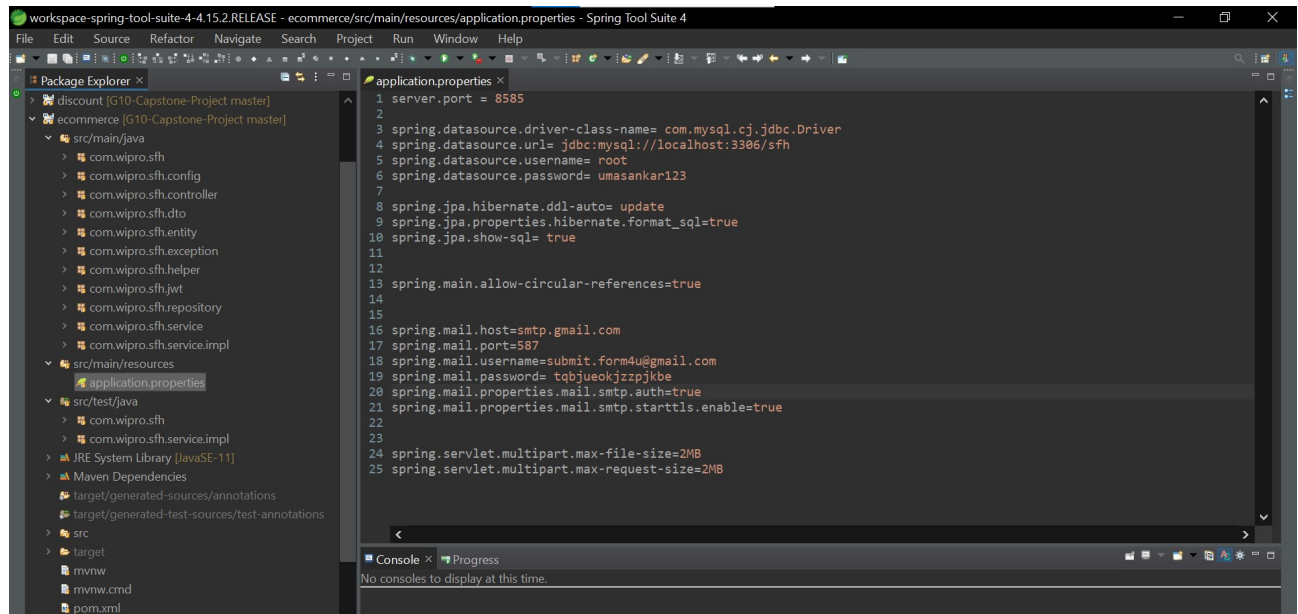
The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane displays the project structure for 'SHOP-FOR-HOME', including folders like 'angular', 'src', and 'app'. The 'app' folder is expanded, showing 'component', 'guard', 'interceptor', 'material', 'model', and 'service'. The 'app-routing.module.ts' file is selected. The main editor area shows the content of this file, which includes imports for various components and guards, and a routes array. The routes array defines paths for home, dashboard, login, signup, wishlist, and coupon, each associated with a specific component and an AuthGuard. The bottom status bar indicates the file is at line 17, column 1, and the editor is in TypeScript mode.

```
src > app > TS app-routing.module.ts > ...
You, 8 seconds ago | 1 author (You)
1 import { NgModule } from '@angular/core';
2 import { RouterModule, Routes } from '@angular/router';
3
4 import { HomeComponent } from '../component/home/home.component';
5 import { DashboardComponent } from '../component/dashboard/dashboard.component';
6 import { LoginComponent } from '../component/login/login.component';
7 import { SignupComponent } from '../component/signup/signup.component';
8 import { WishlistComponent } from '../component/wishlist/wishlist.component';
9 import { CartComponent } from '../component/cart/cart.component';
10 import { OrderComponent } from '../component/order/order.component';
11 import { HeaderComponent } from '../component/header/header.component';
12 import { FooterComponent } from '../component/footer/footer.component';
13 import { CouponComponent } from '../component/coupon/coupon.component';
14
15 import { AuthGuard } from '../guard/auth.guard';
16 import { RoleGuard } from '../guard/role.guard';
17
18 const routes: Routes = [
19   { path: '', redirectTo: 'home/1', pathMatch: 'full' },
20   { path: 'home', component: HomeComponent },
21   { path: 'home/:page', component: HomeComponent },
22   { path: 'dashboard', component: DashboardComponent, canActivate: [AuthGuard] },
23   { path: 'login', component: LoginComponent },
24   { path: 'signup', component: SignupComponent },
25   { path: 'wishlist', component: WishlistComponent, canActivate: [AuthGuard] },
26 ]
27
28 @NgModule({
29   imports: [RouterModule.forRoot(routes)],
30   exports: [RouterModule],
31 })
32 export class AppRoutingModule {}
33
34 export { AppRoutingModule };
```



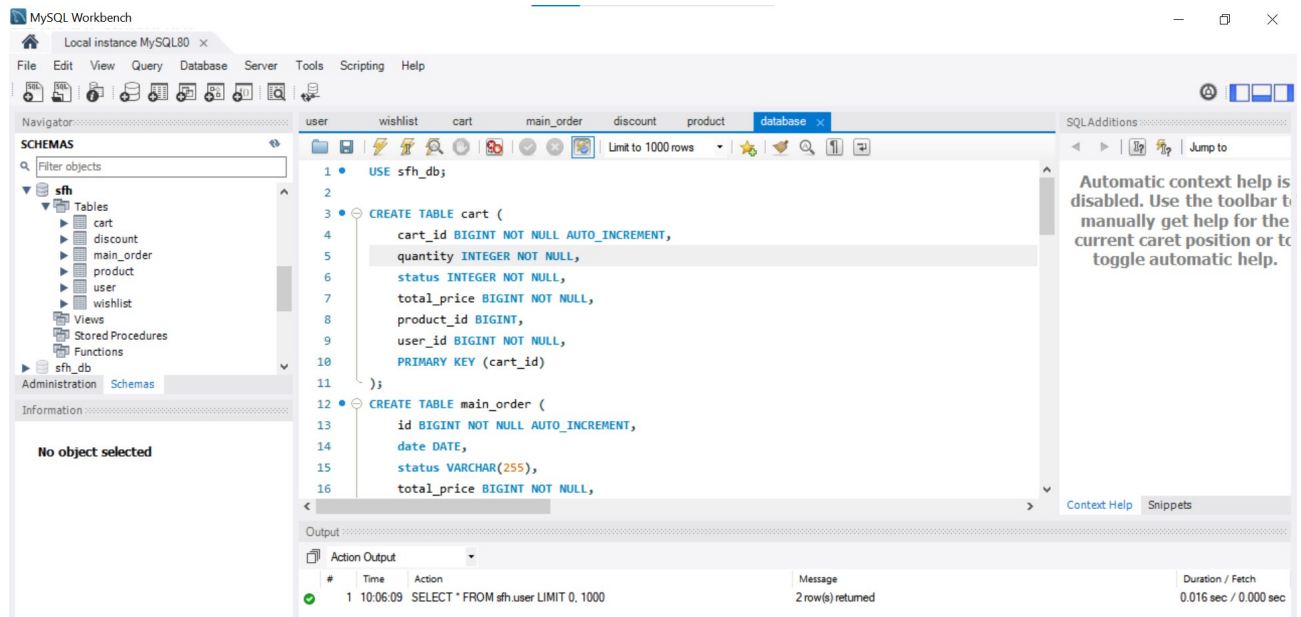
## 3.2 Back End

Spring Tool Suite (STS) is a java IDE tailored for developing Spring-based enterprise applications. It is easier, faster, and more convenient. And most importantly it is based on Eclipse IDE. STS is free, open-source, and powered by VMware.



## 3.3 Database

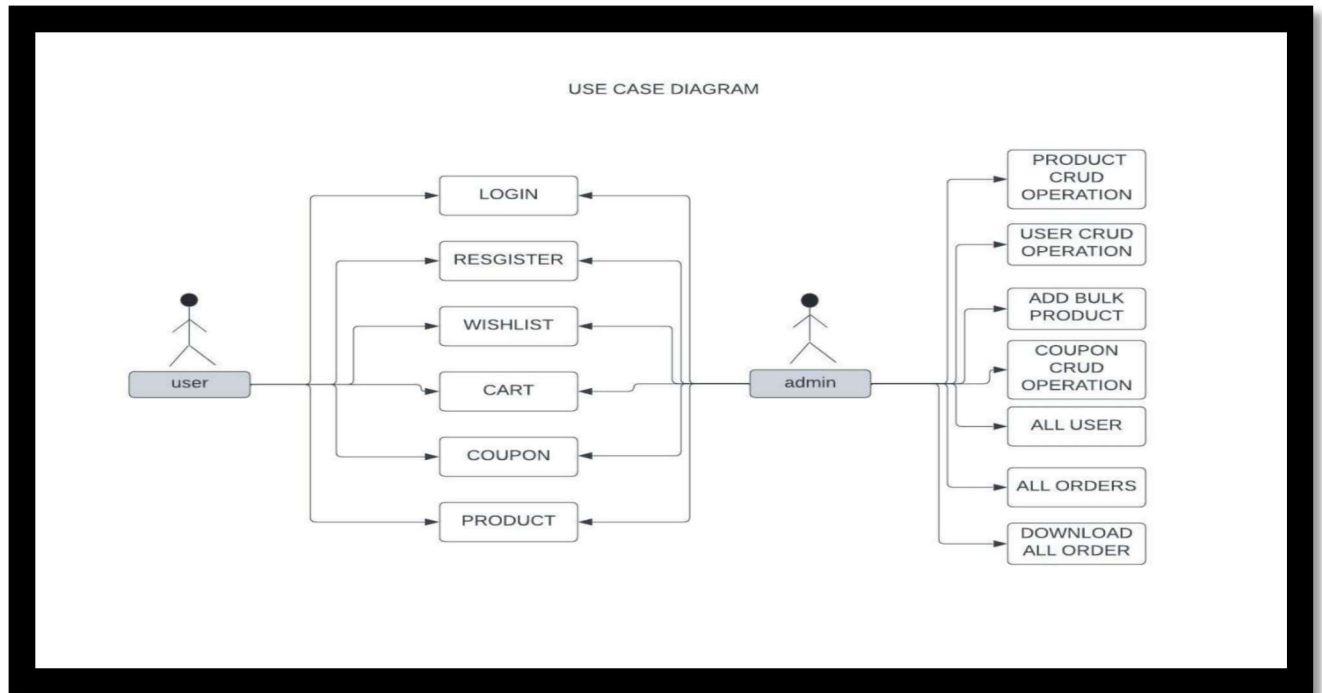
- Install MySQL
- After installation search MySQL Workbench
- Open that MySQL Workbench



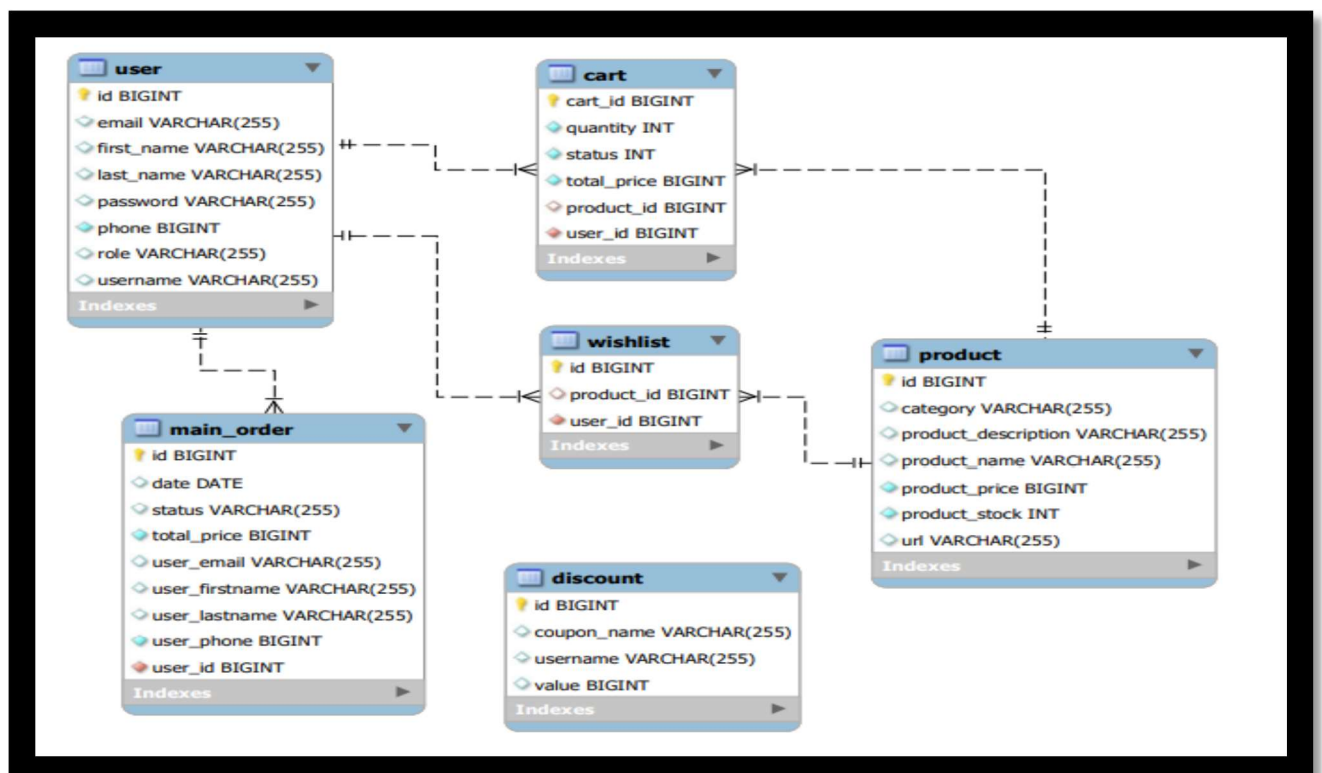
# CHAPTER-4

## DIAGRAMS

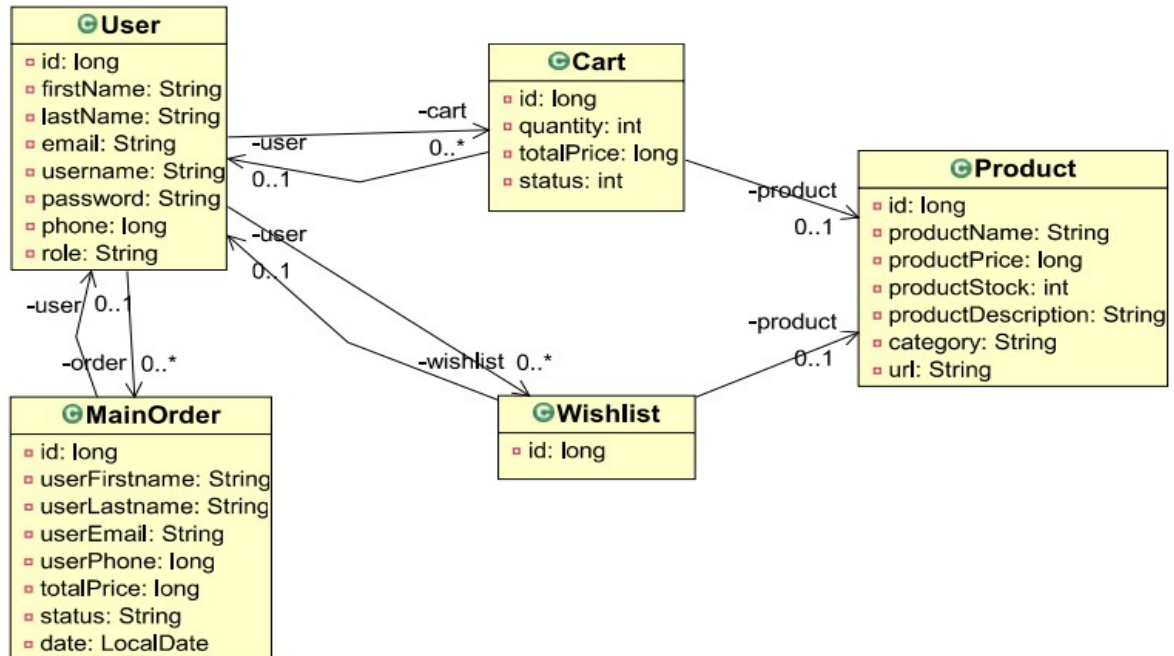
Use Case Diagram:



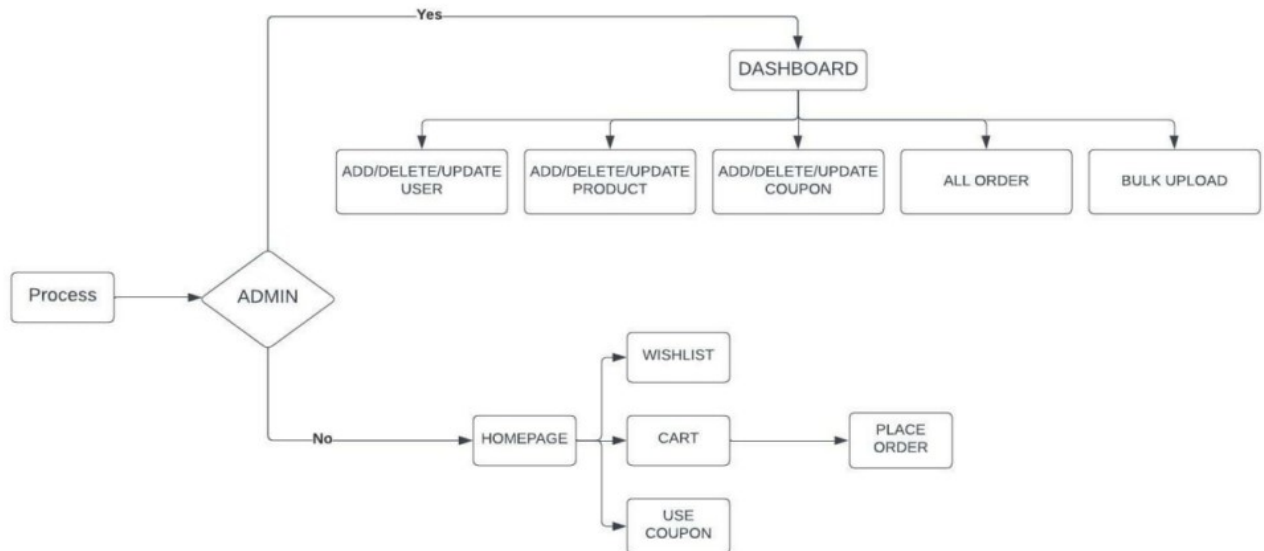
ER Diagram:



## Class Diagram:



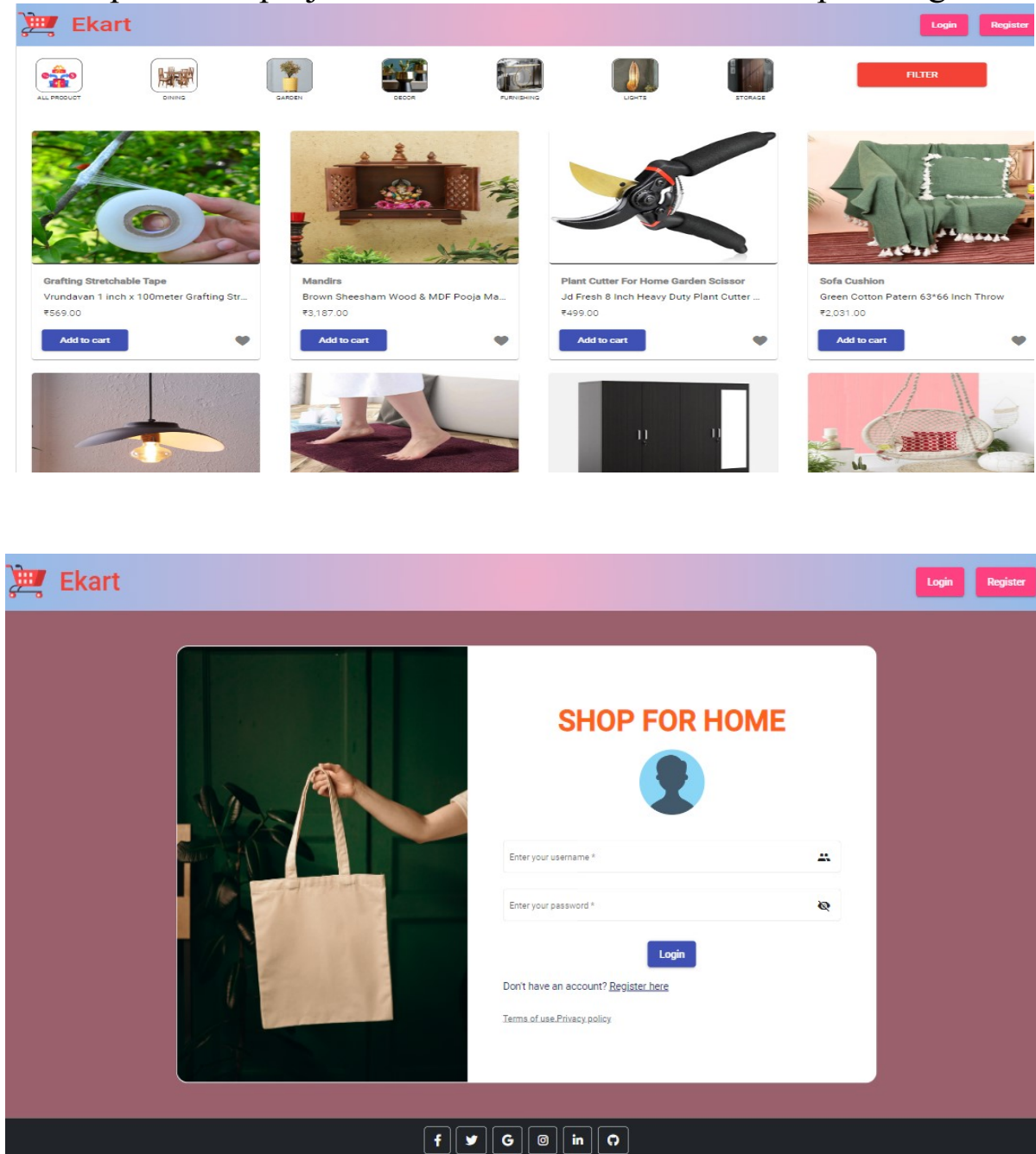
## Flow Chart:




# CHAPTER-5


## RESULTS

The output of the project is shown as in the name of output images.





 Ekart
 


[Login](#)
[Register](#)




## SHOP FOR HOME




















Register







Already have an account? [Login here](#)

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[Privacy policy](#)














 Ekart
 











Product image	Product Id	Product Name	Description	Price	Action
	1	Grafting Stretchable Tape	Vrundavan 1 inch x 100meter Grafting Stretchable Tape for Nursery and Garden, Length- 100meter and Width- 24mm	569	
	4	Sofa Cushion	Green Cotton Pattern 63*66 Inch Throw	2031	
	2	Mandirs	Brown Sheesham Wood & MDF Pooja Mandir With Door	3187	







Add More

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Ekart

Product image	Product Id	Product Name	Description	Price	Quantity	Total Price	Action
	34	Flower Cutting Cutter	FreshDcart Garden Plant Branch Scissors Flower Cutting Cutter Pruning Bypass Secateurs Trimmer Carbon Steel Blade with Lock Set of 1	876	<div>- 1 +</div>	876	
	39	Sofa Cover	Dak Brown abstract Polyester 2 Seater Sofa Cover	1444	<div>- 1 +</div>	1444	
	36	Brown Wood Wall Sconces	Wooden Wall Sconces For Outdoor and Indoor Walls	5100	<div>- 1 +</div>	5100	

Apply your Coupon

select coupon



PROMO CODE: SUPER\_10







GET 10 % OFF


Apply





Grand Total= 7420





Place Order







Add More


Ekart









Product image	Product Id	Product Name	Quantity	Total Price
	5	Black Metal Single Hanging Lights	2	10000
	8	Hammock Chair	3	2994
	7	Wardrobes	1	32599
	8	Hammock Chair	1	998







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Ekart



Order Id	Name	Email	Phone	Total Price	Date of Purchase	Status
2	james smith	james@gmail.com	7377254631	11694	2022-08-29	CONFIRMED
3	james smith	james@gmail.com	7377254631	33597	2022-08-29	CONFIRMED

Generate Report

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Ekart



### WELCOME TO DASHBOARD

User Details





Product Details

Add Multiple products







Create Coupon

Filter




Add User

User ID	Firstname	Lastname	Username	Email	Phone	Role	Action
1	john	doe	john123	john@gmail.com	7737273638	ADMIN	 
3	james	smith	james123	james@gmail.com	7377254631	USER	 

Items per page: 5 1 - 2 of 2 < >























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Ekart



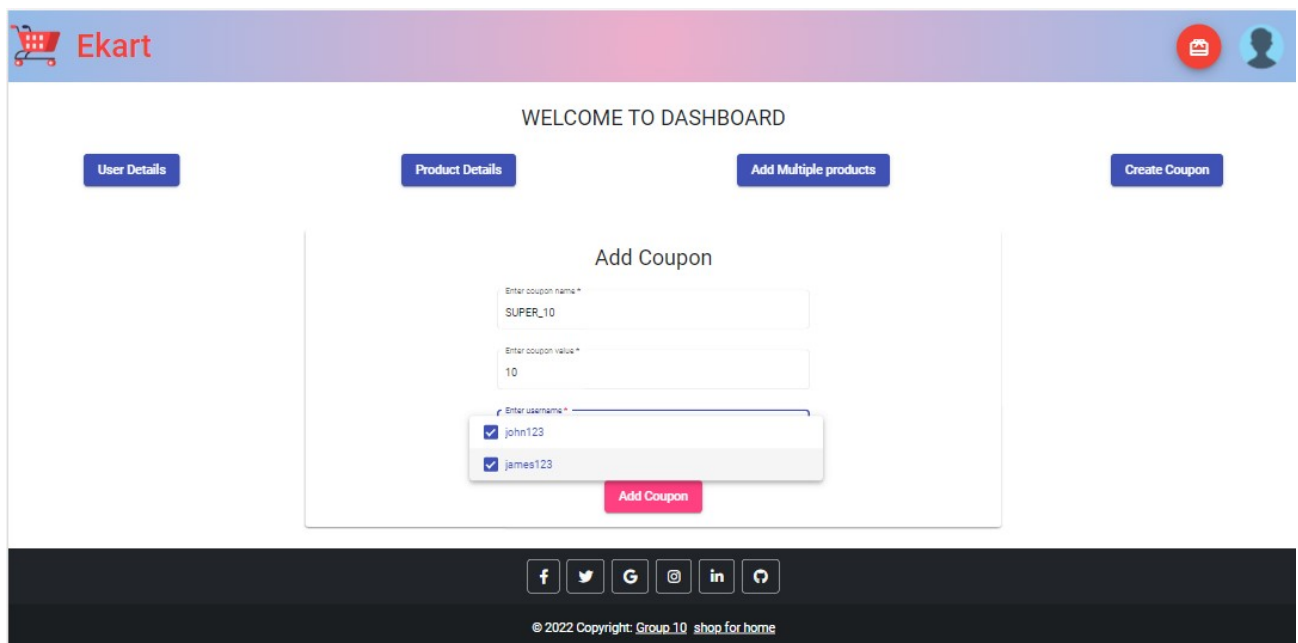
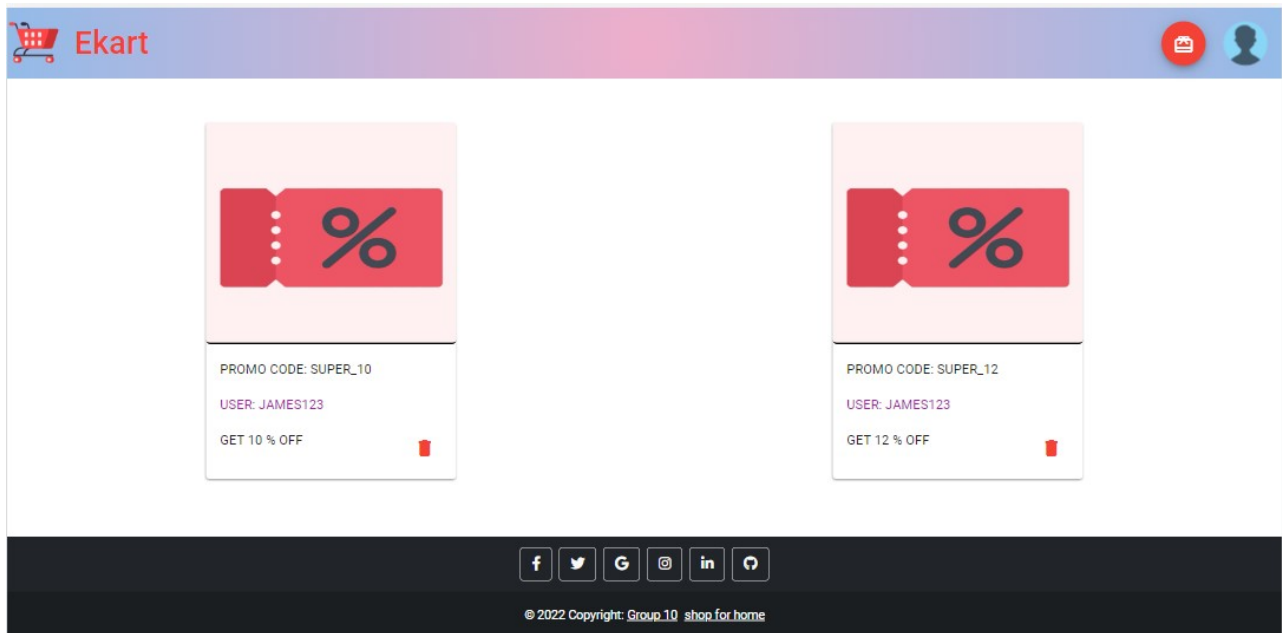
Filter

Add Product

Product ID	Image	Name	Price	Stock	Category	Action
1		Grafting Stretchable Tape	569	34	GARDEN	 
2		Mandirs	3187	21	DECOR	 
3		Plant Cutter For Home Garden Scissor	499	99	GARDEN	 
4		Sofa Cushion	2031	22	FURNISHING	 
5		Black Metal Single Hanging Lights	5000	37	LIGHTS	 

Items per page: 5 1 - 5 of 48 < >





## CHAPTER-6

### CONCLUSION

By performing or following the above-mentioned methodology we can conclude that

- We can create a web page using the Angular, Spring boot, Node-JS, MySQL, etc..
- In this project, we have created the page of name “**SHOP FOR HOME**” in which a user can buy the house hold items like decorating things and many other.
- We need updated or latest version software for smooth working of the project.
- Both frontend and backend need to run in a frequent manner to the page with user interface flexibility.

At the end we can say that web page is created by following the path regulations and shown the output as required.