

# WIPRO CAPSTONE PROJECT

## SHOP FOR HOME

### GROUP A – G1

Submitted in the partial fulfillment of the requirements  
for Wipro certification  
in  
JAVA FULL STACK DEVELOPMENT

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## **ABSTRACT**

Furniture items ordering is a form of electronic 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 computers and devices, including desktop computers, laptops, tablet computers and smartphones. An online shop evokes the physical and analogy of buying products or services at a “regular bricks- and-mortar” retailer or shopping center, the process is called business- to-consumer (B2C) online shopping. When an online store is set up to enable businesses to buy from another businesses, the process is called business- to-business (B2B) online shopping. 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 furniture items and sell the furniture items online. The main purpose for developing this project in Angular and Java Spring Boot is to manage all the details about furniture item, furniture item 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 furniture item category and can also manage the sales details. This Angular project very helpful for maintaining the sales activity in furniture item. In this project customer can see the details of furniture item category etc. Only Admin can edit or delete the details of furniture 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 operations 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 Stories**

- 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 Stories**

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
- 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
- MySQL: MySQL database 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 : 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. For running this project on Windows system, you will have to install WAMP or XAMP on your system.

## CHAPTER-3

### INSTALLATION AND INSTRUCTIONS

#### 3.1 Installation Steps:

1. Java 11 jdk -> double click -> proceed with default settings
2. MySql/postgresSql -> double click -> proceed with default settings
  - a. Search -> pgAdmin after postgres installation completes
3. Vscode -> double click -> proceed with default settings
4. Postman -> double click -> proceed with default settings
5. Eclipse -> extract zip file -> run

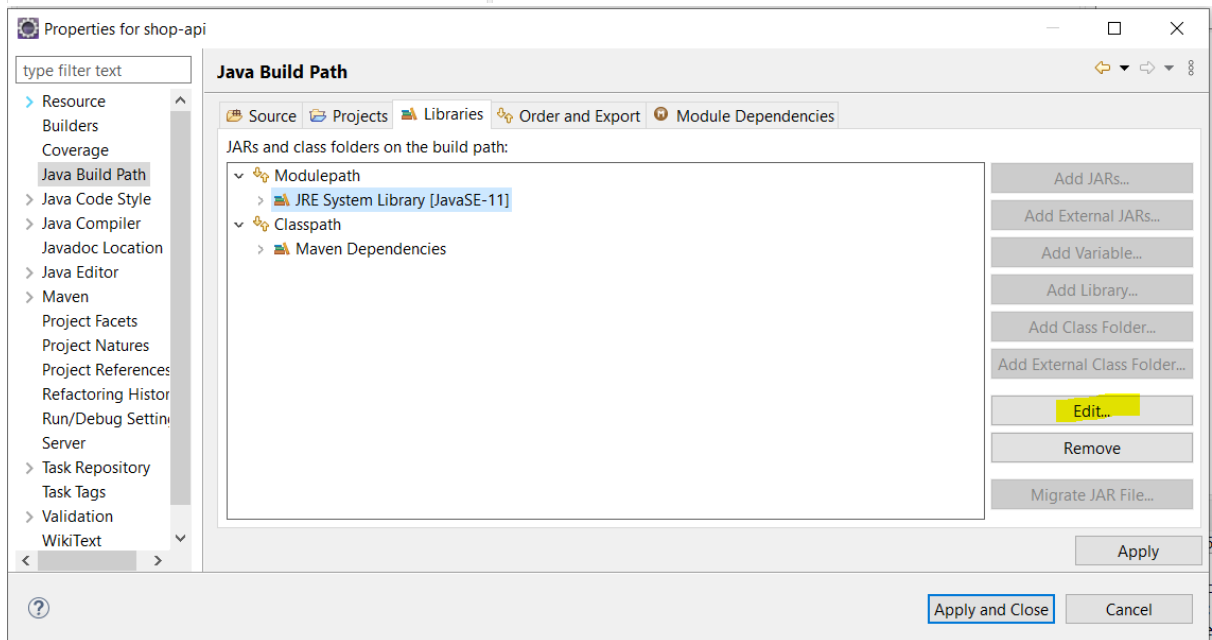
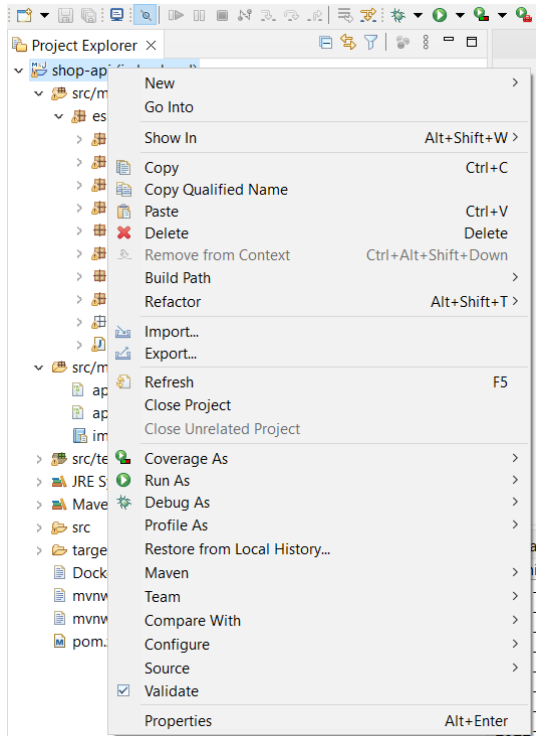
PC > Downloads > capstone project > eclipse

Name	Date modified	Type	Size
configuration	20-06-2022 09:06	File folder	
dropins	02-12-2021 17:17	File folder	
features	02-12-2021 17:17	File folder	
p2	25-06-2022 07:18	File folder	
plugins	02-12-2021 17:17	File folder	
readme	02-12-2021 17:17	File folder	
.eclipseproduct	24-11-2021 23:05	ECLIPSEPRODUCT ...	1 KB
artifacts	02-12-2021 17:17	XML Document	271 KB
eclipse	02-12-2021 17:22	Application	519 KB
eclipse	02-12-2021 17:17	Configuration setti...	1 KB
eclipsec	02-12-2021 17:23	Application	231 KB

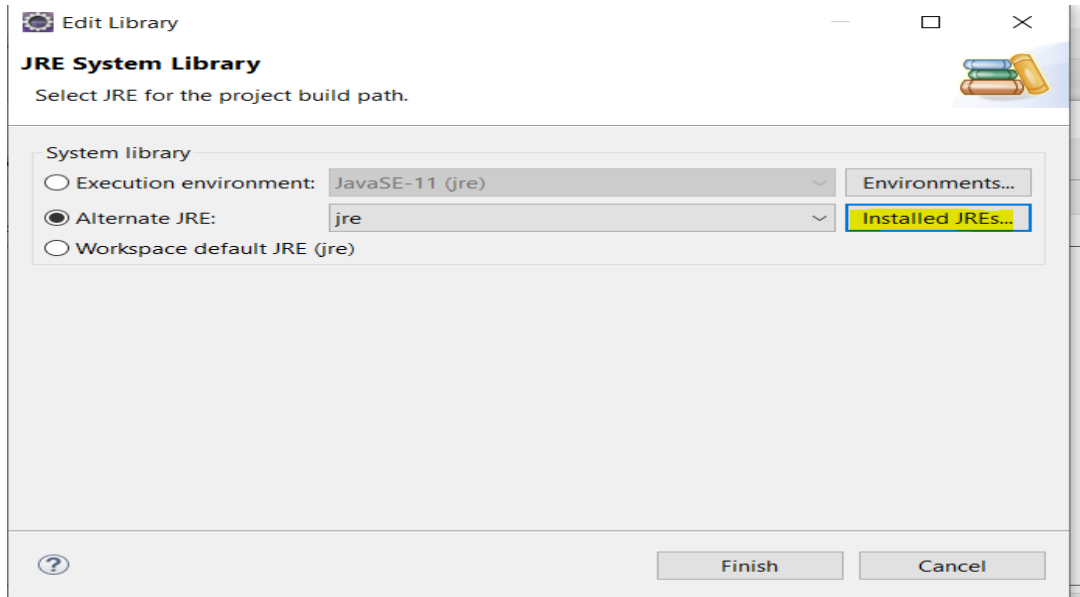
- a.
- b. double click -> eclipse application -> (pin to task bar if required)

#### 3.2 Import Backend project in Eclipse :

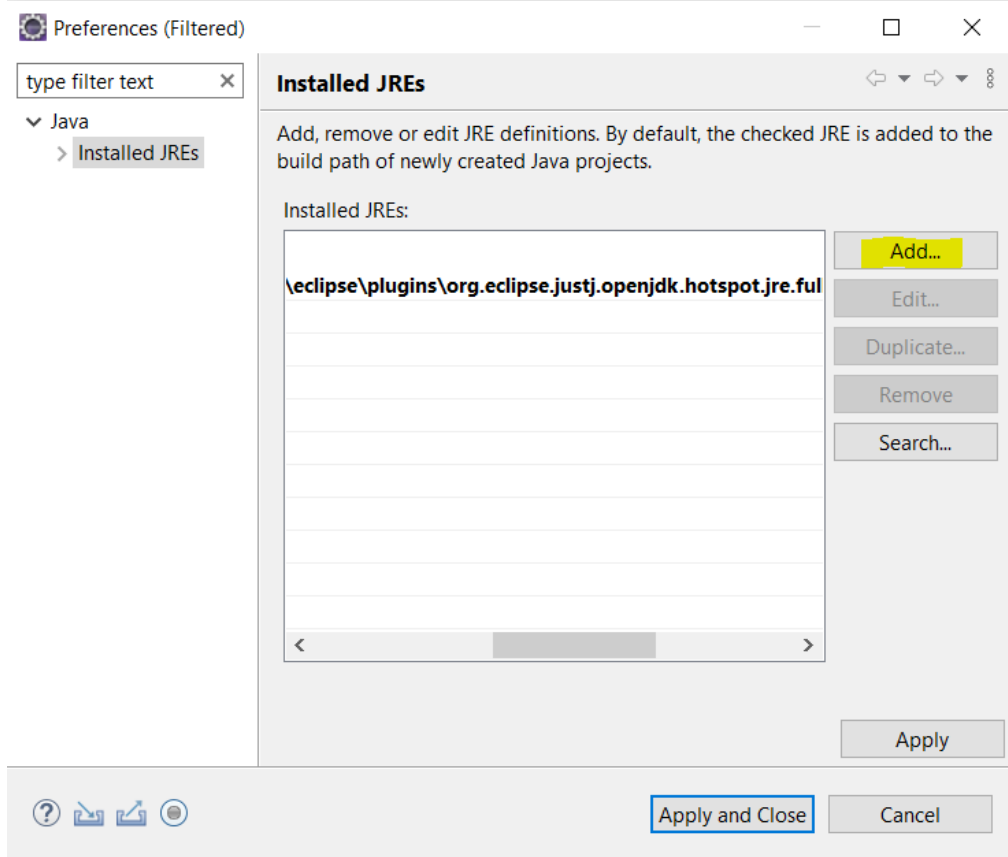
1. Create Eclipse workspace
2. Import Backend Project in workspace
3. Change properties -> right click -> properties



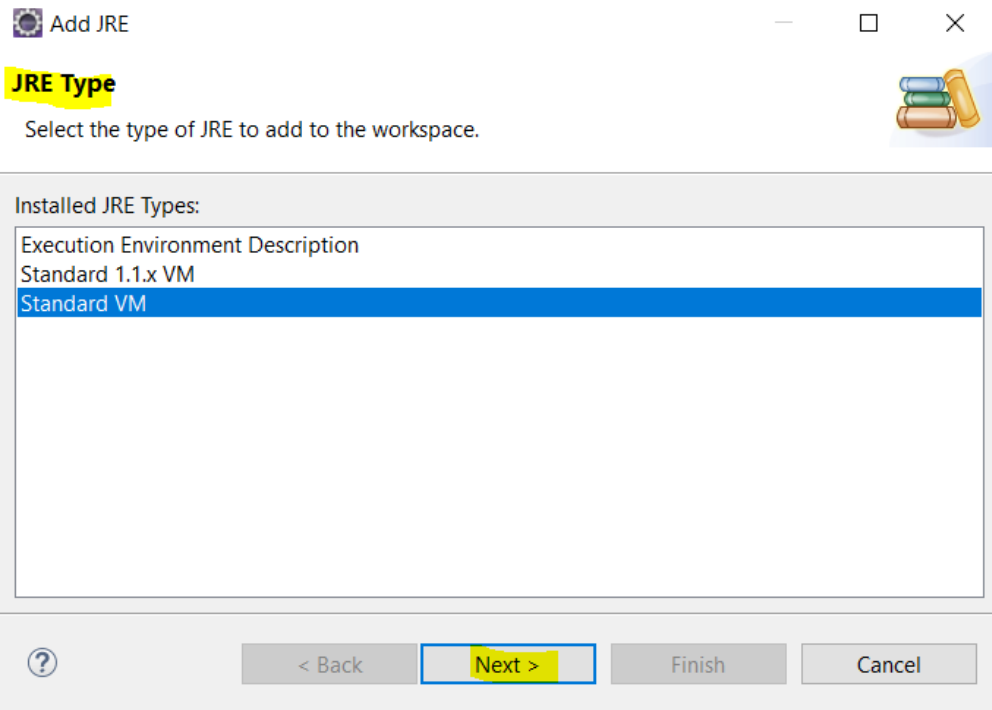




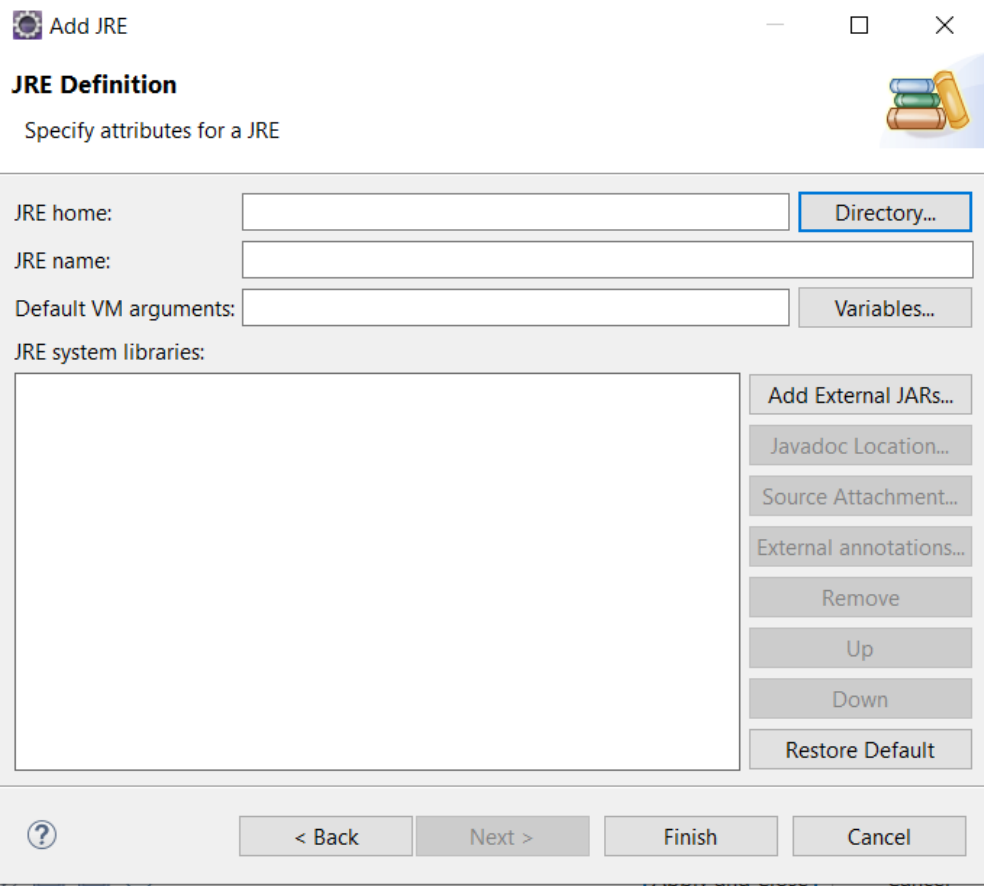
6.



7.



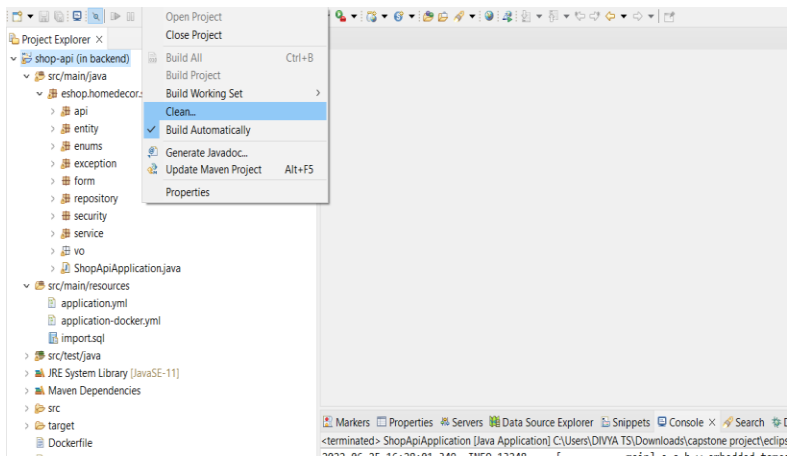
8.



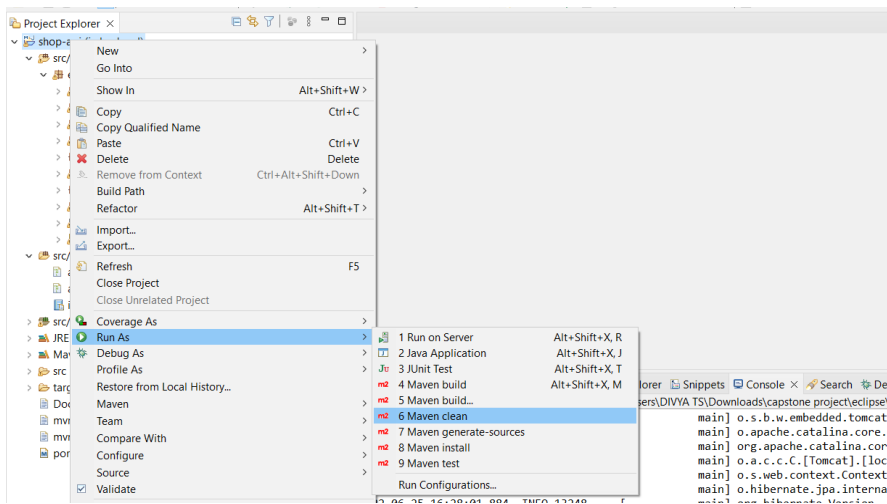
9.

Select Java directory (eg C:\Program Files\Java\jdk-11.0.14 )

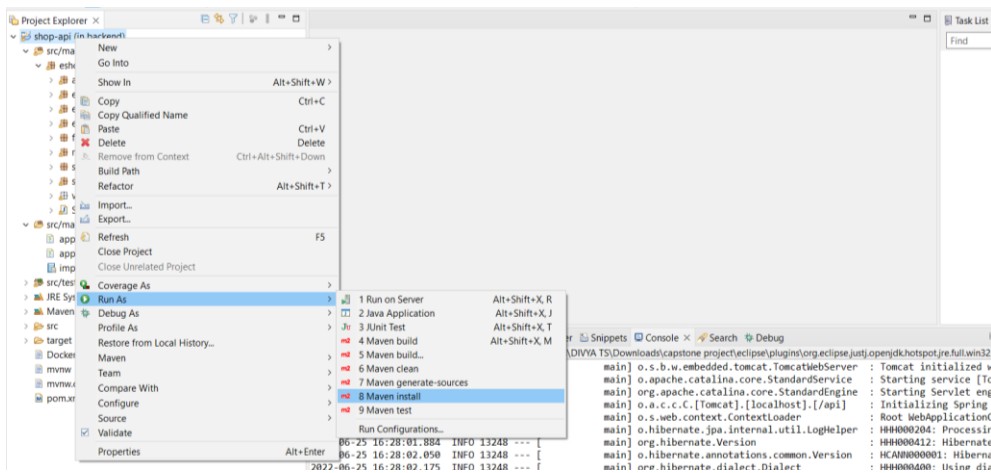
Then Do Project clean and Build.



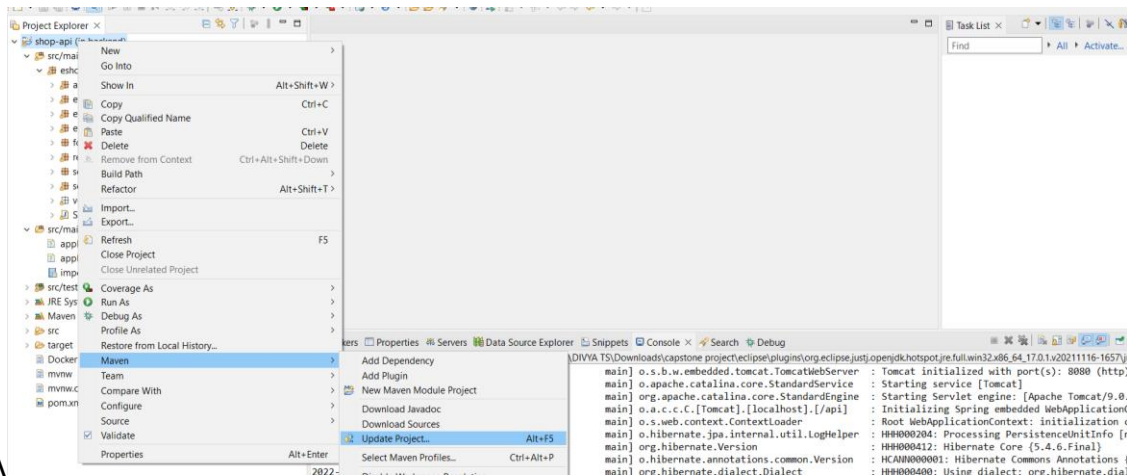
Then do maven clean



Maven install

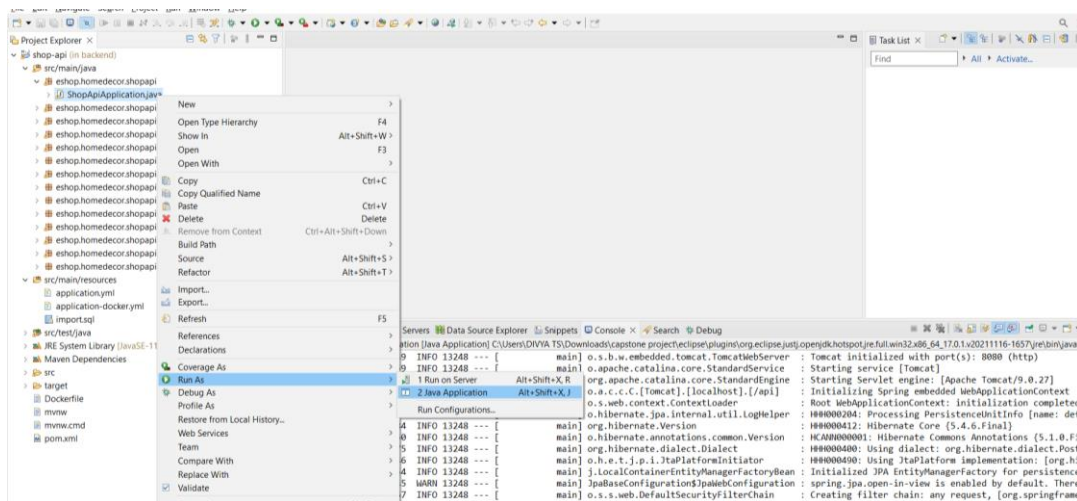


## Maven Update



## Start Server

Before starting application -> create DB and add required tables



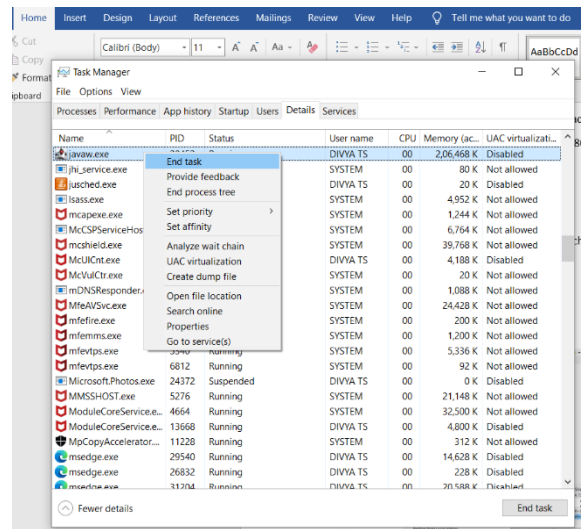
Then start the server (Note : Make sure port 8080 is not used by any other application)

## 3.3 Known Issues :

Port 8080 is already in use

Fix:

Open TaskManager -> details -> search with j -> javaw.exe / java.exe -> Right Click -> End Task



### 3.4 Front End

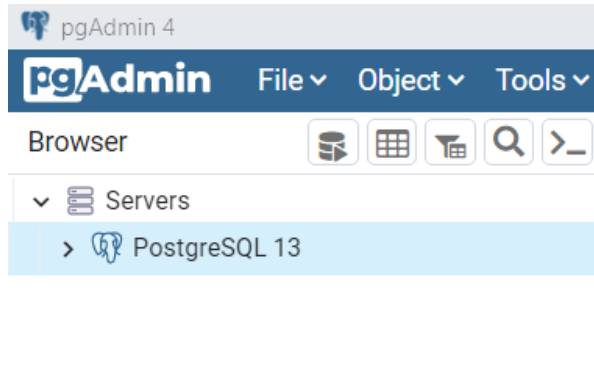
From your local FrontEnd code path -> open cmd

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

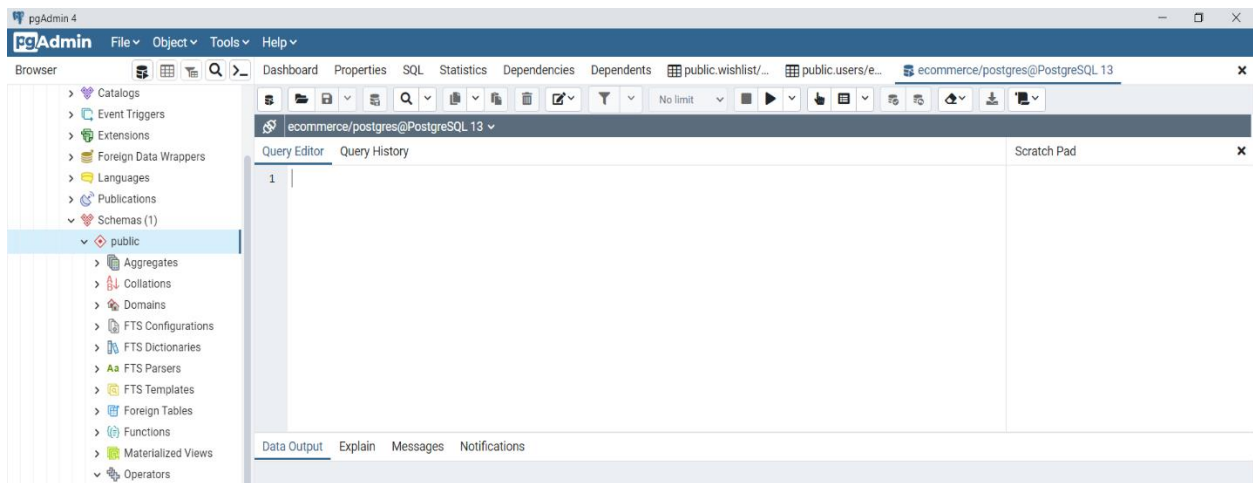
- Run this command -- **code** .
- Run **Npm install** from vs code terminal
- Run npm start
- After the successful compiling you got this link in terminal localhost/4200.
- Open this link in google chrome

### 3.5 DataBase

- Install postgres SQL
- After installation search PgAdmin in your computer
- Open that PgAdmin



➤ This type of screen will open.



- Open this query editor and You can run the query from sql file.
- Run the query.

## CHAPTER-4

### SOURCE CODE

```
<div class="search_div">
<input type = "text"  name="search" [(ngModel)]="searchText" placeholder
="Search Products!"/>
<button class="search_btn">Search</button>
</div>

<div *ngFor="let productInfo of page?.content | filter:searchText"
class="col-lg-4 ">
  <div class="container" >
    
    <div class="details">
      <div class="header">
        <span class="name">{{productInfo.productName}}</span>
      </div>

      <div class="origins">
        <span>{{productInfo.productDescription}}</span>
        <span >{{productInfo.productPrice |
currency:"INR":"symbol"}}</span>
        <span>{{productInfo.productStock}}</span >
      </div>
      <br>
      <button><a routerLink="/product/{{productInfo.productId}}"
*ngIf="productInfo.productStatus == 0; else offBlock"

      >Get It!</a></button>
      <ng-template #offBlock><a class="btn btn-secondary btn-lg
disabled">Unavailable</a></ng-template>
    </div>
  </div>
</div>

<app-pagination [currentPage]="page" ></app-pagination>
```

# CHAPTER-5

## RESULT


### Home Page:

ShopForHome

CartSign InSign Up

Search Products!

Search




**Sheesham Wood Armania Queen Size Bed**

Queen Size Double Bed Dimensions: Length ( 66 Inch),Width (81 Inch),Height (41.5 Inch),  
Mattress Size: 60 x 78 inches

₹30,000.00 36

Get It!




**Adolph Bed With Side Storage**

. Adolph bed with side storage is a beautifully detailed contemporary furniture design.

₹18,000.00 75

Get It!



**Springtek Dreamer 100% Pure Sheesham Storage Beds**

Fine texture, ample storage and solid structure. This bed will command prime position in your bedroom, albeit with grace and lightness.

₹25,000.00 20

Get It!

### Registration:

ShopForHome

CartSign InSign Up

Register Here !!

Email \*

Enter valid Email !!

User Password \*

First Name \*

Address \*

Phone Number \*

Register

Clear



# Login:

ShopForHome

CartSign InSign Up

Login Here!!

User Name \*

Valid User Name

User Password \*

LoginReset

# WishList:


ShopForHome

CartWishlistSantosh

Sign Out

Search Products!


Search



**Sheesham Wood Armania Queen Size Bed**

Queen Size Double Bed Dimensions: Length ( 66 Inch),Width (81 Inch),Height (41.5 Inch), Mattress Size: 60 x 78 inches


₹30,000.00 36



**Adolph Bed With Side Storage**

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₹18,000.00 75



**Springtek Dreamer 100% Pure Sheesham Storage Beds**

Fine texture, ample storage and solid structure. This bed will command prime position in your bedroom, albeit with grace and linkness

My WishList

Photo	ID	Name	Price	Action
	AF002	Adolph Bed With Side Storage	\$18,000.00	<a href="#">Remove</a>
	AF001	Sheesham Wood Armania Queen Size Bed	\$30,000.00	<a href="#">Remove</a>
	AF001	Sheesham Wood Armania Queen Size Bed	\$30,000.00	<a href="#">Remove</a>

	Sheesham Wood Armania Queen Size Bed	₹30,000.00	<div><div>-</div><div>6</div><div>+</div></div>	₹180,000.00	<a href="#">Remove</a>
---	--------------------------------------	------------	---	-------------	------------------------

Apply for Coupon

Total: ₹180,000.00

Checkout


# Add To Cart:

ShopForHome

CartSign InSign Up

Search Products!

Search




Sheesham Wood Armania Queen Size Bed

Queen Size Double Bed Dimensions: Length ( 66 Inch),Width (81 inch),Height (41.5 Inch), Mattress Size: 60 x 79 inches

₹30,000.00

36

Get It!




Adolph Bed With Side Storage

. Adolph bed with side storage is a beautifully detailed contemporary furniture design.

₹18,000.00

75

Get It!



Springtek Dreamer 100% Pure Sheesham Storage Beds

Fine texture, ample storage and solid structure. This bed will command prime position in your bedroom, albeit with grace and lightness.

₹25,000.00

20

# Cart Empty:

ShopForHome

CartSign InSign Up

Cart Page is Empty

Go to Homepage

Coupons:

ShopForHome

Discount

Users

Stocks

Orders

Admin

Sign Out

Discount Coupon Section

Search Coupons!

Search

Coupon Name

Add Coupon

Couponcode	Action
Shopforhome	Delete

Previous

1


Next

Bulk Upload:

Choose file

No file chosen

Upload




Sheesham Wood Armania Queen Size Bed

Bedroom

Queen Size Double Bed Dimensions: Length ( 66 inch),Width (81 inch),Height (41.5 inch), Mattress Size: 60 x 78 inches

Edit

email




Adolph Bed With Side Storage

Bedroom

Adolph bed with side storage is a beautifully detailed contemporary furniture design.

Edit

email




Springtek Dreamer 100% Pure Sheesham Storage Beds

Bedroom

Fine texture, ample storage and solid structure. This bed will command prime position in your bedroom, albeit with grace and lightness.

Edit

email



Springtek Dreamer Sofa Three Seater

## **CHAPTER-6**

### **CONCLUSION**

The Shop For Home application thus contains all the requirements for the user to conveniently shop from the wide range of varieties in furniture. For the ease of access of the user we have included all the required features like wishlist, categories of products, sorting of products, login, log out etc. Also keep it in the mind requirements of admin and user we added all of the accordingly.

## **CHAPTER-7**

### **REFERENCE**

<https://www.pepperfry.com/>