

WIPRO CAPSTONE PROJECT

SHOP FOR HOME

G-5

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

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ABSTRACT

Shop For Home is a popular Store in the market for shopping the home décor stuff. Due to Covid-19 all the offline shopping stopped. So, the store wants to move to the online platforms and wants its own web application. 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. Users can login to the website to shop the products for home decoration and It has the features of add to cart, Wish list and make orders from home. When an online store is set up to enable businesses to buy from other businesses, the process is called business-to-business (B2B) online shopping.

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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 selling 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 items, home decor category, company, order, sales etc. There are two categories of users available in this project. First one is admin and second one is user. Admin can add home-décor item categories and can also manage the sales details. This Angular project is very helpful for maintaining the sales activity in household items. In this project customers can see the details of home-decor item category etc. Only Admin can edit or delete the details of Home-decor items.

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 the 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 have 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 coupons

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 a bulk upload option to upload a csv for product 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 the discount coupons for the specific 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
- **H2-DataBase**: H2 database can be configured to run as in memory database, which means that data will not persist on the disk.
- **Java Spring Boot**: All the business and backend API logic has been implemented in Java Spring Boot
- **Angular**: All the frontend logic has been implemented over the Angular and we used angular CLI for it
- **Visual Studio Code-(VSCODE)**: 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 the following operating system.

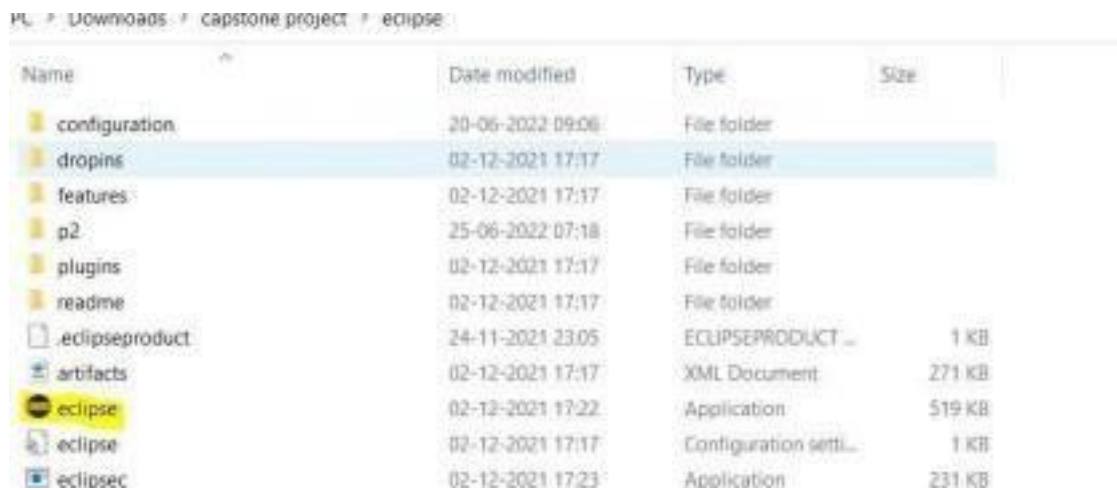
- **Windows**: This project can easily be configured on the Windows operating system.

CHAPTER-3

INSTALLATION AND INSTRUCTIONS

3.1 Installation Steps:

1. Java 11 jdk -> double click -> proceed with default settings
2. Vscode -> double click -> proceed with default settings
3. Eclipse -> extract zip file -> run



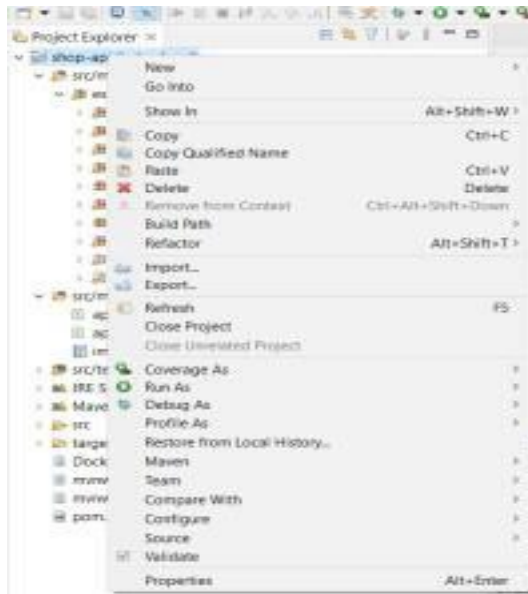
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dropins	02-12-2021 17:17	File folder	
features	02-12-2021 17:17	File folder	
p2	25-06-2022 07:18	File folder	
plugins	02-12-2021 17:17	File folder	
readme	02-12-2021 17:17	File folder	
.eclipseproduct	24-11-2021 23:05	ECLIPSEPRODUCT ...	1 KB
artifacts	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
eclipseec	02-12-2021 17:23	Application	231 KB

double click -> eclipse application -> (pin to taskbar if required)

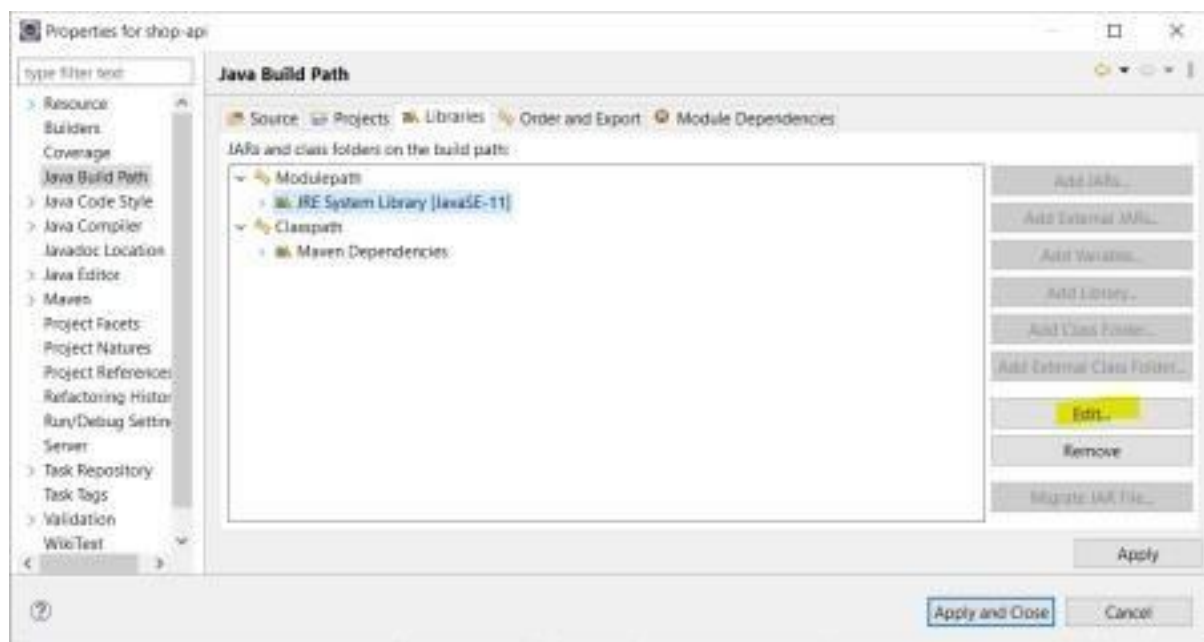
3.2 Import Backend project in Eclipse:

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

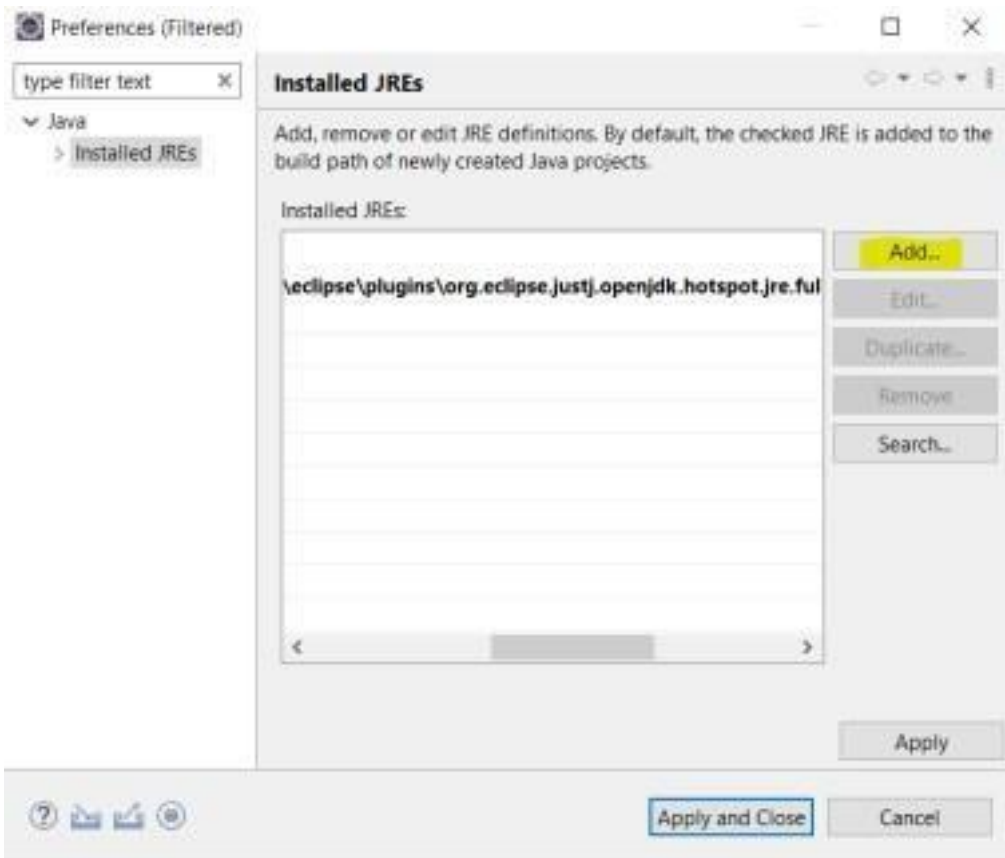
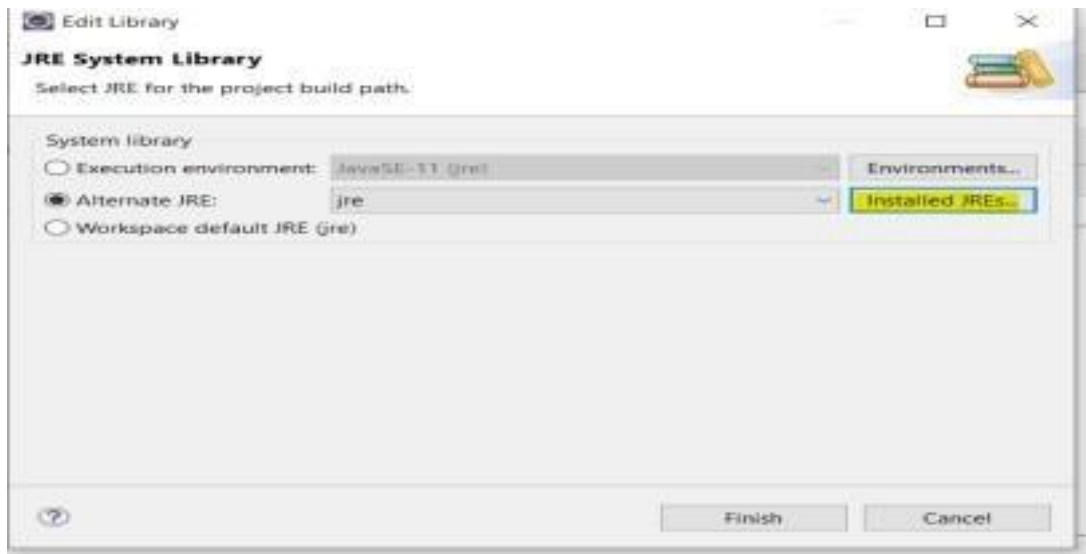
4. Open Build Path



5.

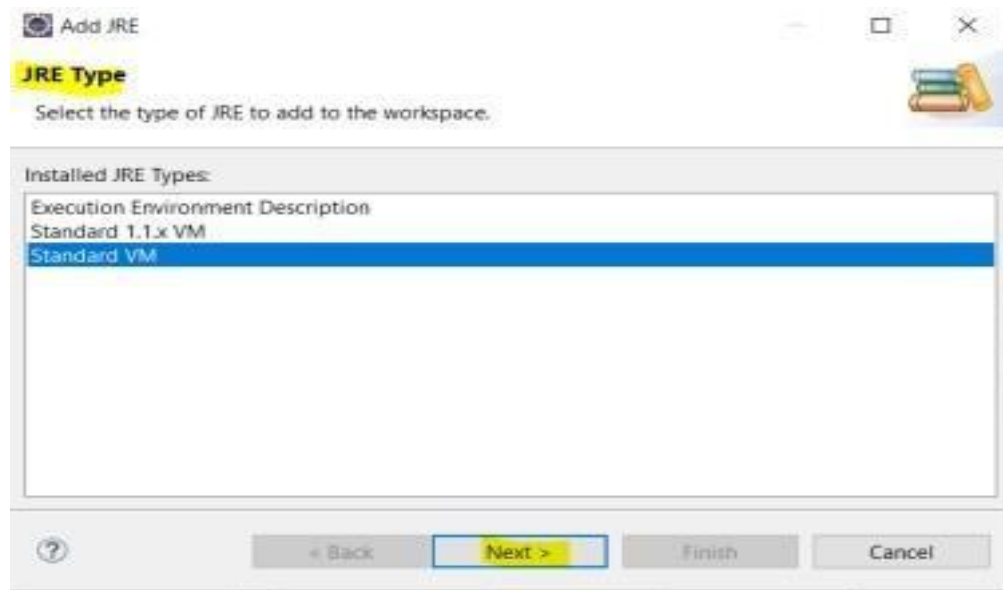


6. Select JRE for the project build path.

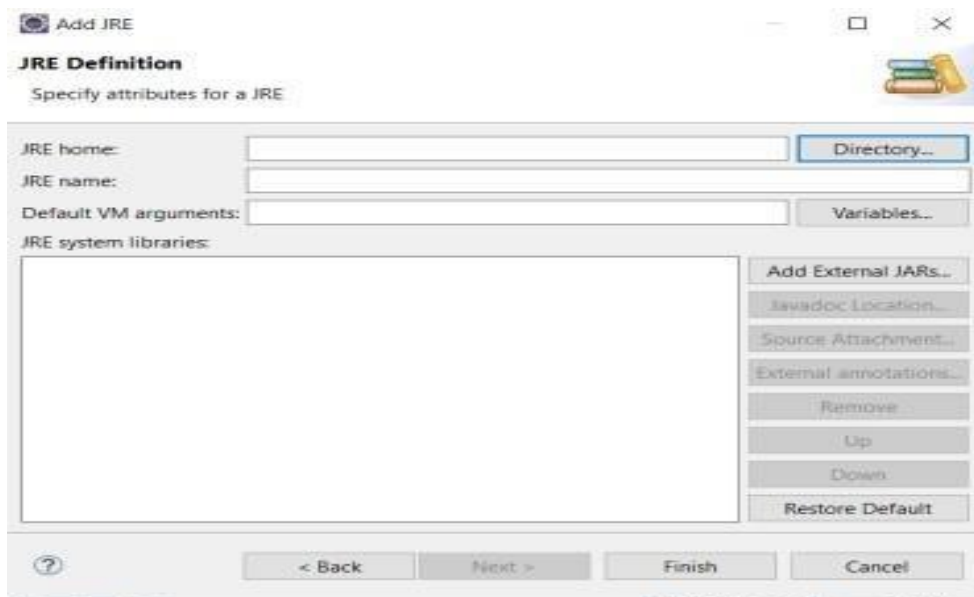


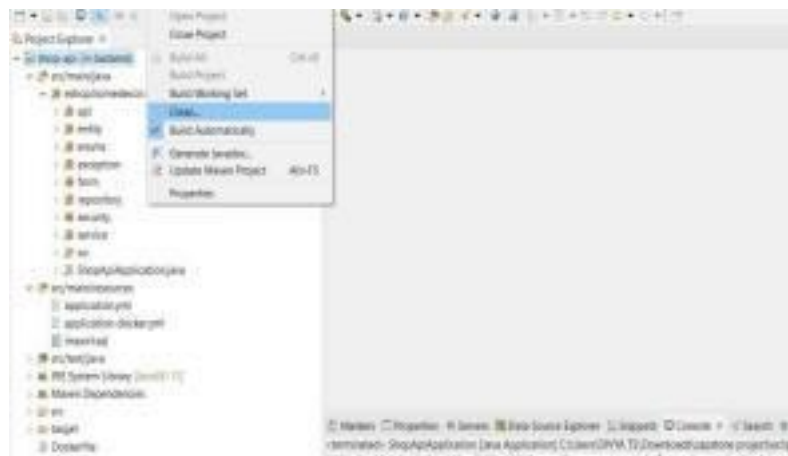
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8. Select Standard VM to add JRE to workspace.

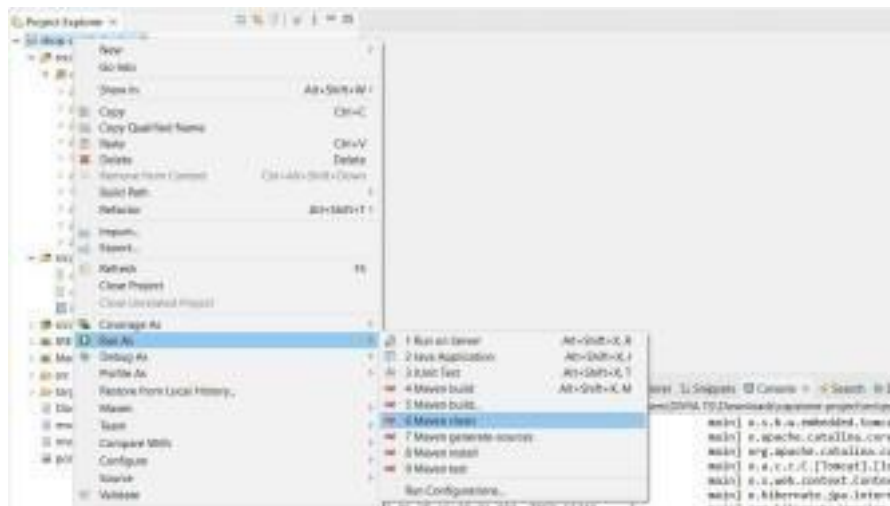


9. Select Java directory (eg C:\Program Files\Java\jdk-11.0.14)
Then Do Project clean and Build.





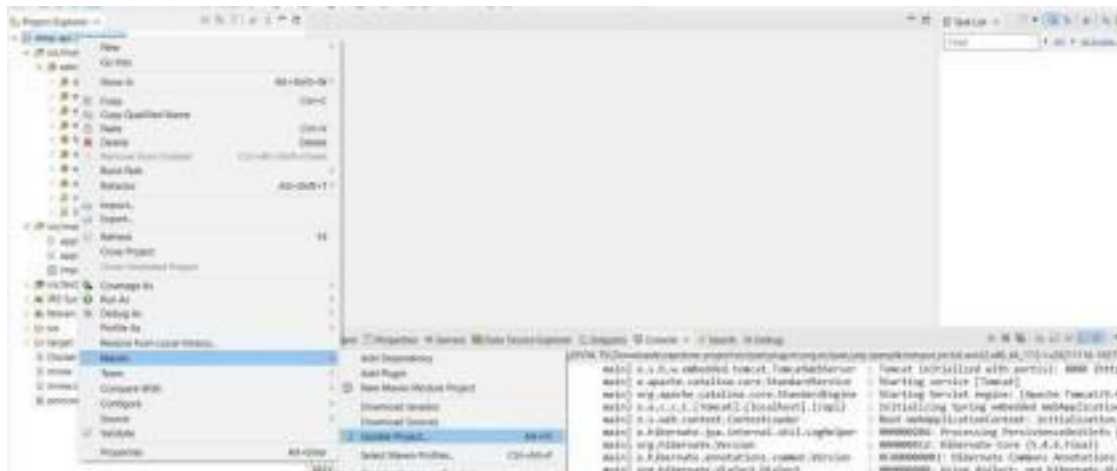
Then do maven clean



Maven install

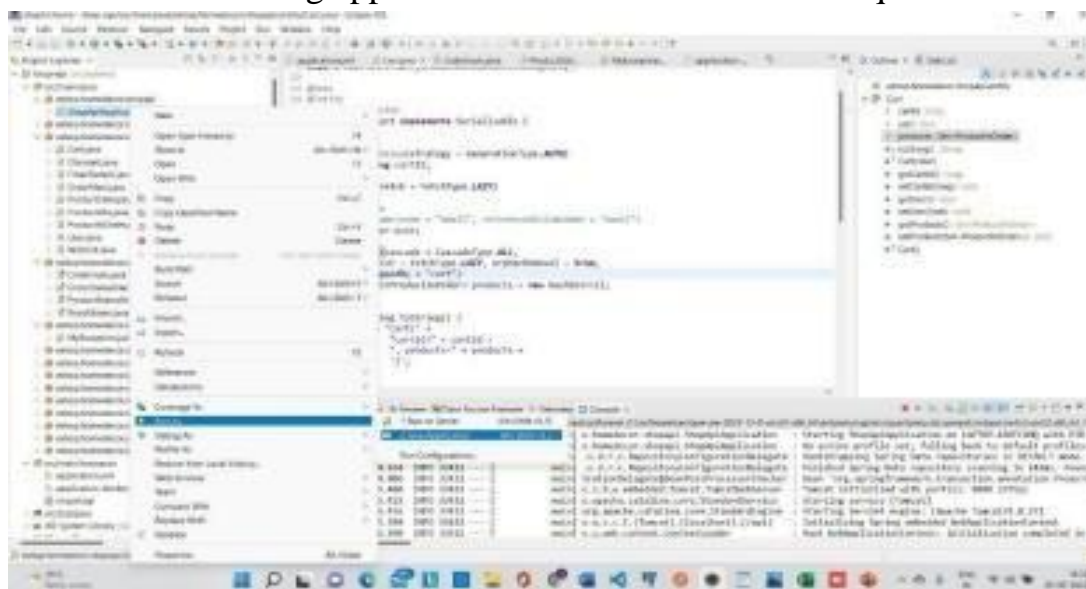


Maven Update



Start Server

Before starting application -> create DB and add required tables



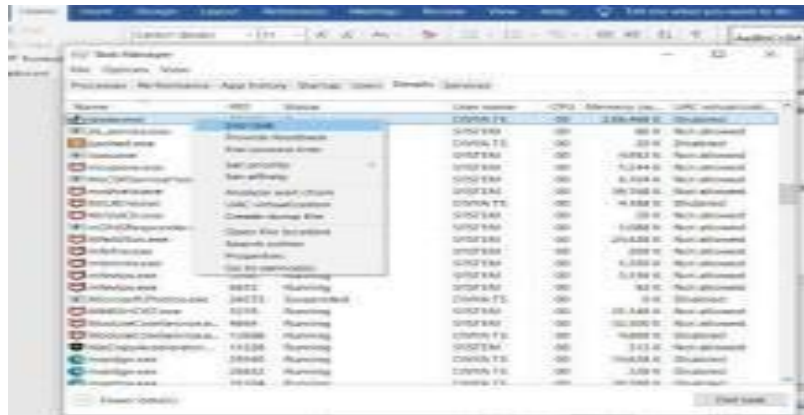
Then start the server (Note: Make sure port 8080 is not used by any other application)

3.3 Known Issues :

Port 8080 is already in

Fix: Open TaskManager->
details -> search with j ->
javaw.exe / java.exe ->

RightClick-> End Task



3.4 Front End

From your local FrontEnd code path -> open cmd

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

3.5 DataBase

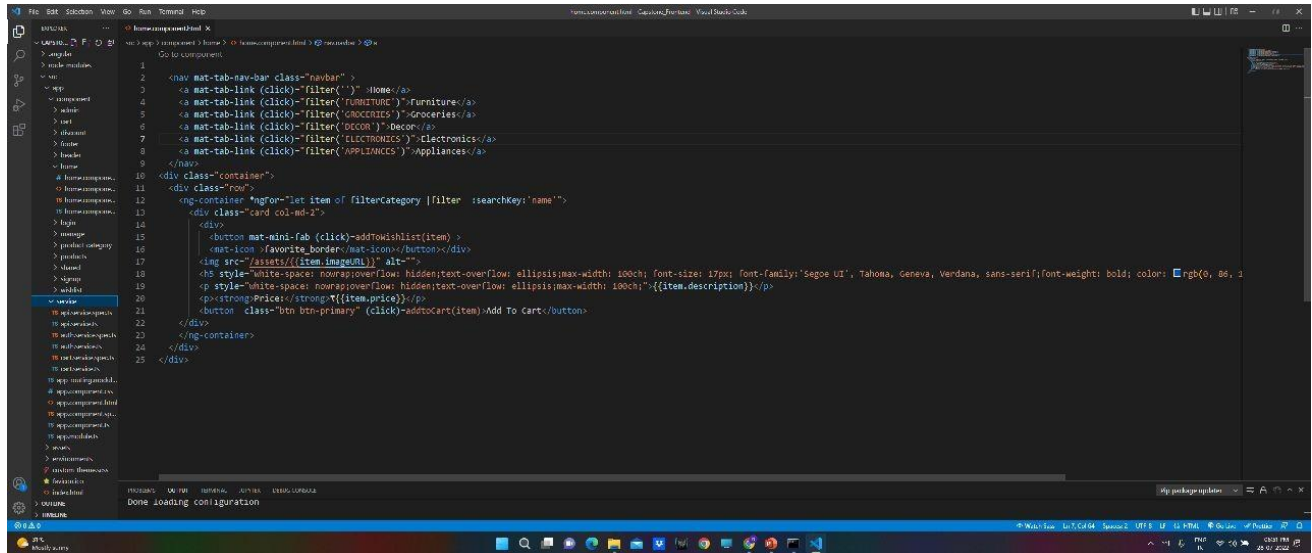
- H2 Data is already pre-installed in STS.
- This can be opened by port number in browser
- Open that PageAdmin

This type of screen will open.

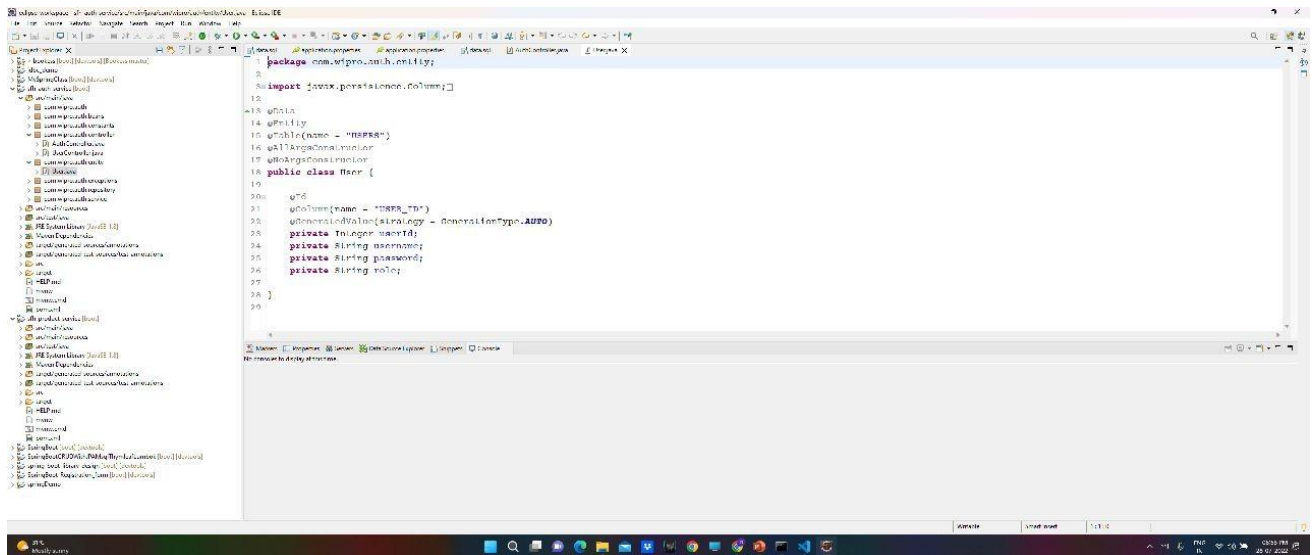
- Open this query editor and You can run the query from sql file.
- Run the query.

CHAPTER-4

SOURCE CODE



```
1 <nav mat-tab-nav-bar class="nav-bar">
2   <mat-tab-link (click)="filter('')" home/>
3   <mat-tab-link (click)="filter('FURNITURE')" furniture/>
4   <mat-tab-link (click)="filter('GROCERIES')" groceries/>
5   <mat-tab-link (click)="filter('DECOR')" decor/>
6   <mat-tab-link (click)="filter('ELECTRONICS')" electronics/>
7   <mat-tab-link (click)="filter('APPLIANCES')" appliances/>
8 </nav>
9
10 <div class="container">
11   <div class="row">
12     <div class="col-md-2">
13       <div class="card col-md-2">
14         <div>
15           <button mat-mini-fab (click)="addToWishlist(item)">
16             <mat-icon>favorite-border/</mat-icon></button></div>
17           
18           <h5 style="white-space: nowrap; overflow: hidden; text-overflow: ellipsis; max-width: 100ch; font-size: 17px; font-family: Segoe UI, Tahoma, Geneva, Verdana, sans-serif; font-weight: bold; color: rgb(0, 86, 166);">
19             {{item.name}}
20           <p style="white-space: nowrap; overflow: hidden; text-overflow: ellipsis; max-width: 100ch;">{{item.description}}</p>
21           <strong>Price: </strong>{{item.price}}</p>
22           <button class="btn btn-primary" (click)="addToCart(item)">Add To Cart</button>
23         </div>
24       </div>
25     </div>
26   </div>
27 </div>
```

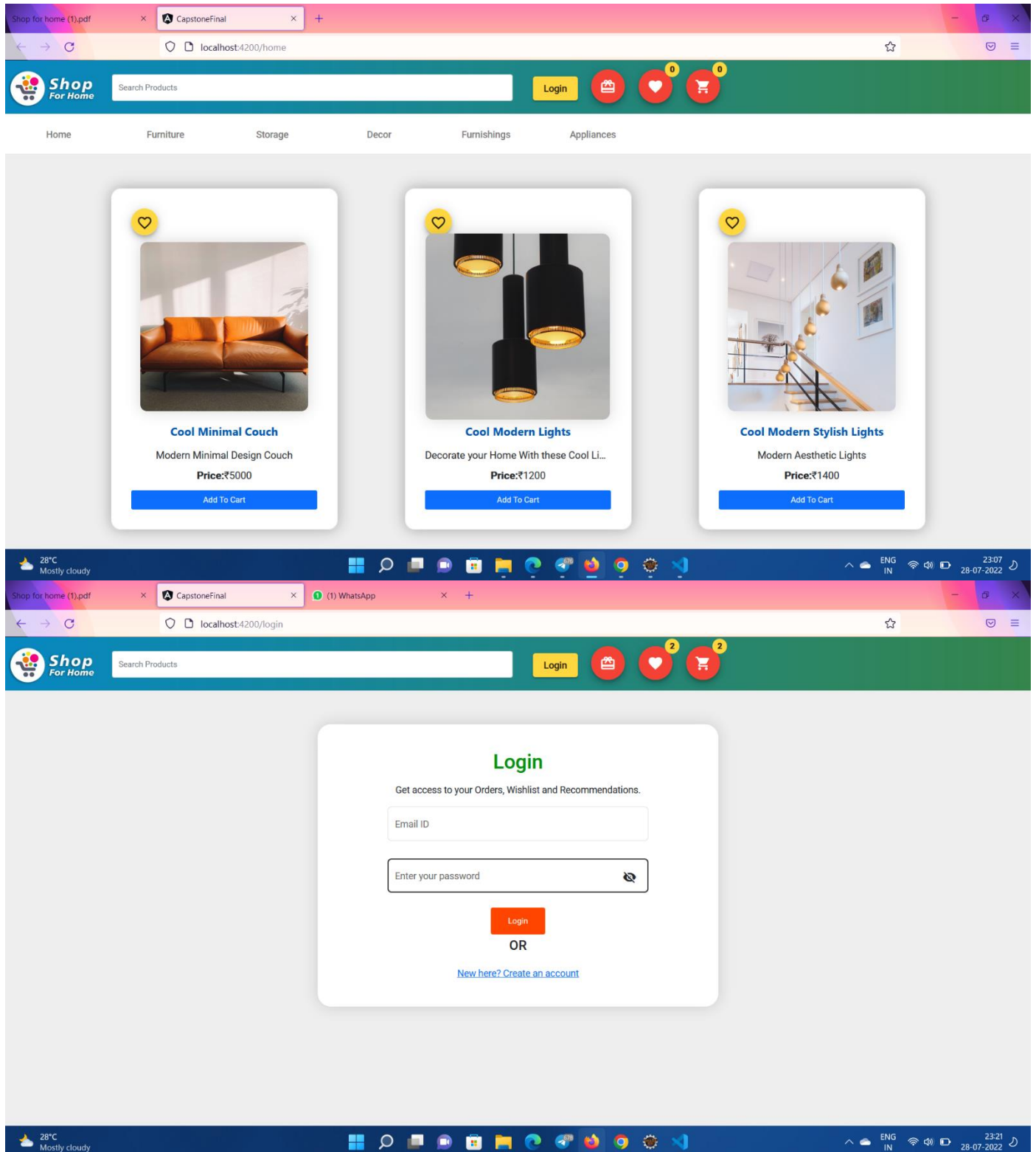


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1 package com.wipro.smb.mallify;
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3 import javax.persistence.Column;
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CHAPTER-5

RESULT

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



Shop for home (1).pdf x CapstoneFinal x +

localhost:4200/cart





Shop For Home

Search Products

Log out

2

2

Sr No.	Product Name	Product image	Description	Price	Quantity	Total	Action
1	Cool Minimal Couch			5000	- 1 +	5000	
2	Cool Modern Lights			1200	- 1 +	1200	

Empty Cart Shop More Check Out Grand Total : \$6200

28°C Mostly cloudy

23:13 28-07-2022

Shop for home (1).pdf x CapstoneFinal x +

localhost:4200/admin/manage/products

Shop For Home

Search Products

Admin Console

Log out

















2

2

Type Search Category

Get Products

Add new Product Add multiple Products Get Product Stocks

Sr. No.	Product Id	Product Name	Description	Price	Stock	Image URL	Edit	Delete
1	1	Cool Minimal Couch	Modern Minimal Design Couch	5000	15	Cool Minimal Couch.jpg		
2	2	Cool Modern Lights	Decorate your Home With these Cool Lights	1200	30	Cool Modern Lights.jpg		
3	3	Cool Modern Stylish Lights	Modern Aesthetic Lights	1400	26	Cool Modern Stylish Lights.jpg		
4	4	Cool Wall Decor	Modern Minimal Decor	5000	16	Cool Wall Decor.jpg		
5	5	Couch	A very Comfy Couch	9000	17	Couch 01.jpg		
6	6	Curtains	These Curtains are made Hand Crafted with Premium Quality	980	34	Curtains_1 04.jpg		
7	7	Cushion Chair	Wooden Handcrafted Chair with good build quality	3400	25	Cushion Chair 01.jpg		
8	8	HeavyDesign Curtaintst	These Curtains are handcrafted by an Expert Handloom	600	16	HeavyDesign Curtaintst 04.jpg		

28°C Mostly cloudy

23:14 28-07-2022

CHAPTER-6

CONCLUSION

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

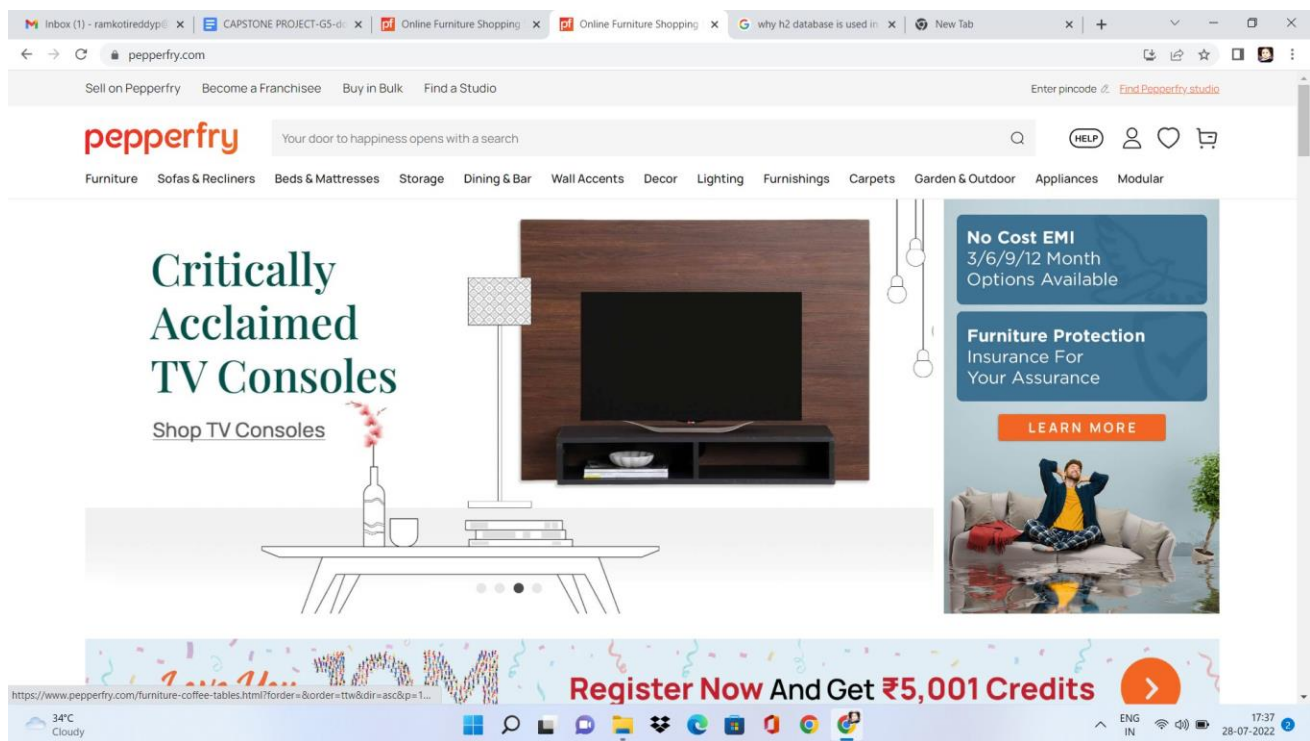
- We can create a web page using Angular, Spring boot, Node-JS, H2-Database, Spring Tool Suite, etc..
- In this project, we have created a page named “**SHOP FOR HOME**” in which a user can buy household items like decorating things and many others.
- The developed system has met the objectives. Moreover, this system has high operational speed, and it is user-friendly.
- We need updated or latest version software for smooth working of the project.
- The system is valuable and usable in the perspective of any user.
- Both frontend and back end needs to run in a frequent manner to have the page with user interface flexibility.

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

CHAPTER-7

REFERENCES

Project references are references to projects that contain assemblies; you add project references by using the Projects tab of the Reference Manager dialog box. Visual Studio can find an assembly when given a path to the project.



For Reference please visit :-

<https://www.pepperfry.com>