WIPRO CAPSTONE PROJECT
SHOP FOR HOME
C1 - GROUP C –G9

Submission made in partial fulfilment of Wipro certification requirements

JAVA FULL STACK DEVELOPMENT

Submitted by

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ABSTRACT

Shop for home ordering Platform is a type of home e-commerce that lets customers use a computer browser to directly purchase goods or services from a merchant online. Customers can find a product of interest by going to the retailer's website directly or by searching among other vendors using a shopping search engine, which shows the availability and prices of the same goods at various e-retailers. Customers will be able to utilise a variety of household equipment to shop online starting in 2020. Customers can buy for home décor items on the website after logging in. Add-to-cart, Wishlist, and online order capabilities are included. The customer can browse the company's selection of goods and services in a typical online store. Due to the rise of online shopping, a lot of stores want the web applications like Shop For Home is one of the stores which wants a website

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<u>INTRODUCTION</u>

Shop For Home was created using Angular, Java Spring Boot, and MySQL. The Shop For Home project is an online marketplace for selling and managing home furnishings and accessories. The primary goal of constructing this project in Angular and Java Spring Boot is to manage all the details about home decor item, home decor category, firm, order, sales, etc. In this project, there are two types of users. A user is the second one after the administrator. The administrator can monitor the sales information as well as add new categories for home décor items. For keeping up home item sales activities, this Angular project is quite beneficial. Customers can view the details of the category of home décor items in this project, among other things. Only the admin has the ability to change or remove a home décor item's details.

1.1 PURPOSE

The major objective of this module is to offer all customer-related functions. It keeps track of every piece of client data. We have created all types of customer CRUD (Create, Read, Update, and Delete) actions. As this is a role-based module, the administrator can execute all data operations, but the customer can only view their own data, hence access level limits have also been added to the project. We also offer specialised Java Spring Boot and Angular projects for novices.

Problem Statement:

Shop For Home is a popular Store in the market for shopping the home decor stuff. Due to Covid 19 all the offline shopping stopped. So, the store wants to move to the online platforms and wants their own web application.

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 the discount coupons for the specific set of users

CHAPTER-2

<u>TECHNOLOGIES REQUIRED</u>

We used the following technology to create this project.

- **HTML**: HTML has been used to design the page layout.

- **CSS**: The entire designing process has been done using CSS.

- **BOOTSTRAP**: It has been utilised for part design.

- **JavaScript**: JavaScript was used to create all of the validation tasks and animations.

- **Java Spring Boot**: Java Spring Boot has been used to implement all of the backend API and business logic.

- **.SQL**: .SQL files were utilised as the project's database.

- **Angular:** We utilised the angular CLI to implement all of the frontend logic using Angular.

- **Visual Studio Code-(VSS**): We have utilised Visual Studio Code as the Angular IDE.

- **STS**: For the development of all spring boot APIs, we utilised STS (Spring Tool Suite).

- **Tomcat**: The Tomcat server will be used to run the project.

2.1 Enhanced Operating System

This project is compatible with the following operating systems..

- **Windows**: The Windows operating system may be simply adapted for this purpose.

2.2 Application Features:

1. Registration

2. Login

3. Searching

4. Filtering

5. Sorting

6. Dynamic data

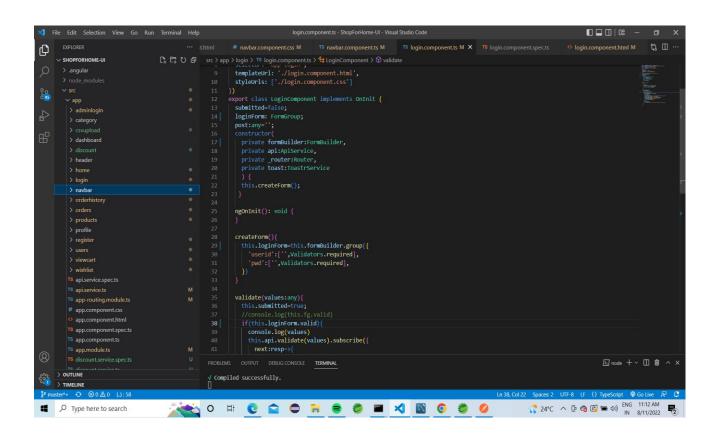7. Responsive and compatible with different devices

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SOFTWARES REQUIRED

3.1 FRONT END

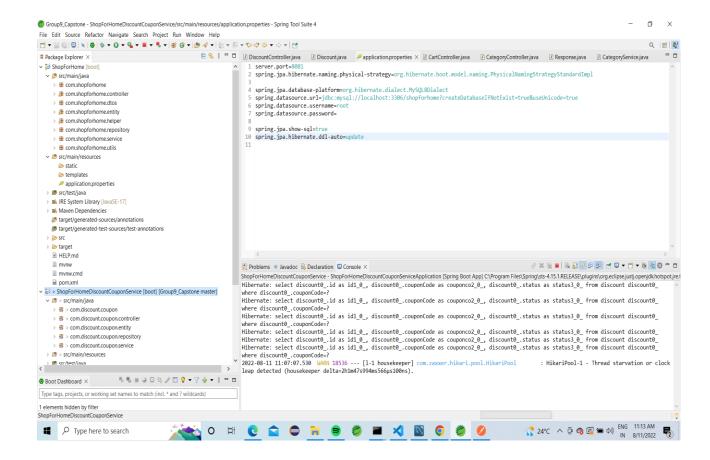From your local FrontEnd code path -> open cmd(Command Prompt)

    Eg -> {local path}\shopforhome\frontend

➢ Run this command → code .

➢ Run Npm install from vs(visual studio) code terminal

➢ Run npm start

➢ After successfully compiling, you should see this link in terminal localhost/4200.

➢ Open this link in google chrome

3.2 BACK END

Spring Tool Suite (STS) is a java integrated development environment (IDE) designed for creating Spring-based enterprise applications. It is less difficult, quicker, and more convenient. Most notably, it is built on top of the Eclipse IDE. STS is a free, open-source software that is driven by VMware.

3.3 DATABASE

- ➤ Install MySQL
- ➤ After installation, search MySQL command line in your computer
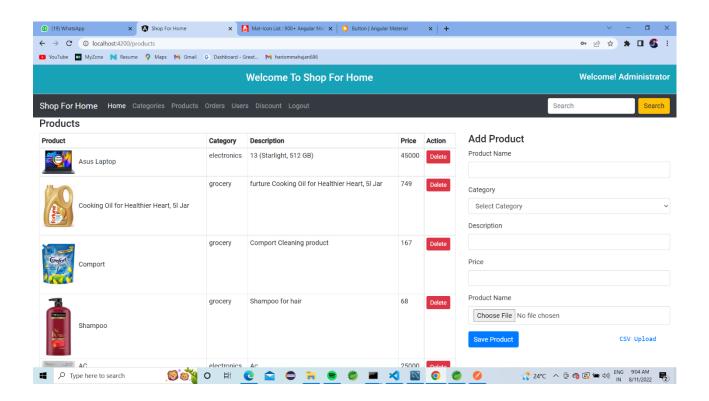- ➤ Open that command line

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RESULTS

1.Login page for Shop For Home :

2.Admin can able to login here :
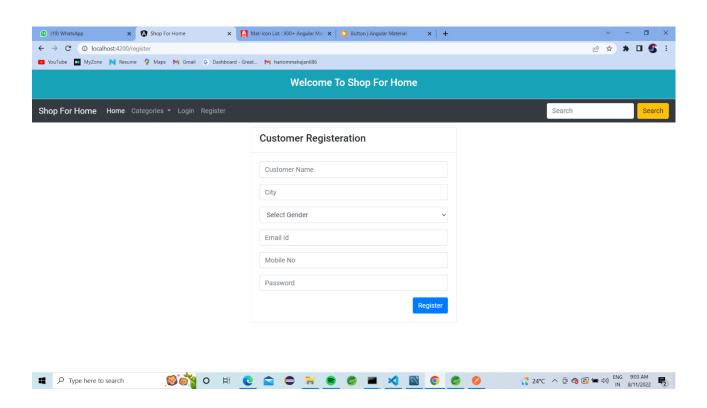
3.Display of product details when admin login :

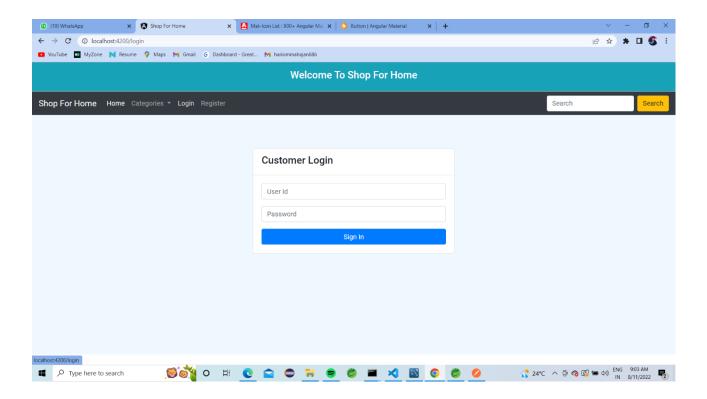## 4.Admin can able to add discount coupon & coupon code:
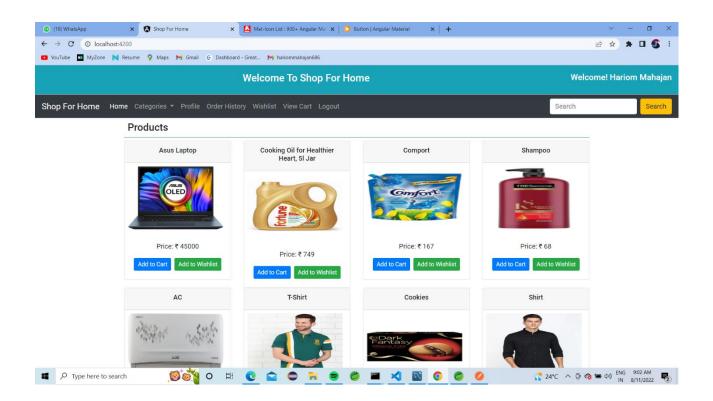
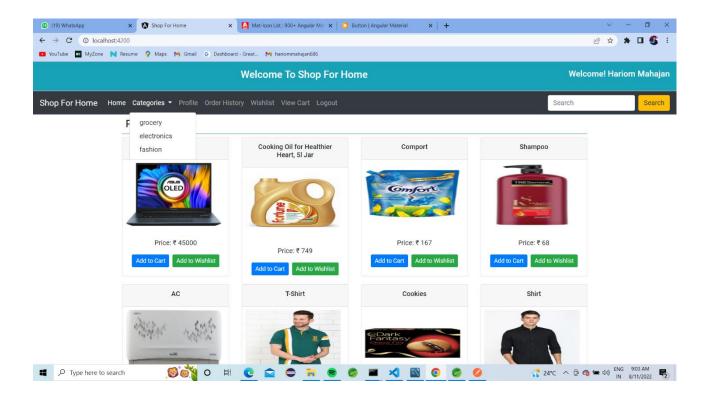## 5.Admin can able to view orders :
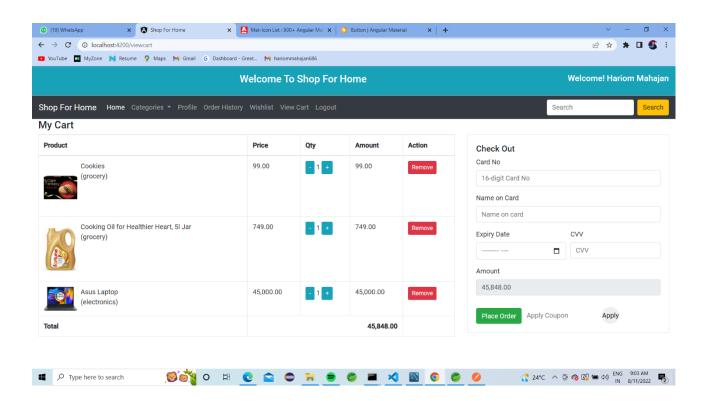

6.Registration details:

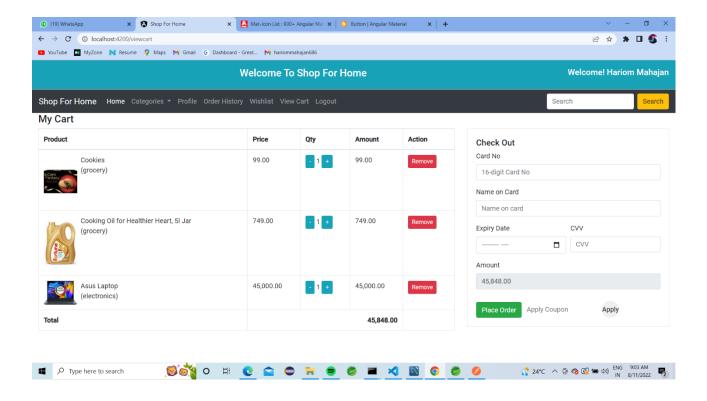# 7.User can able to login :

8.User view after login :

9.User can view categories :

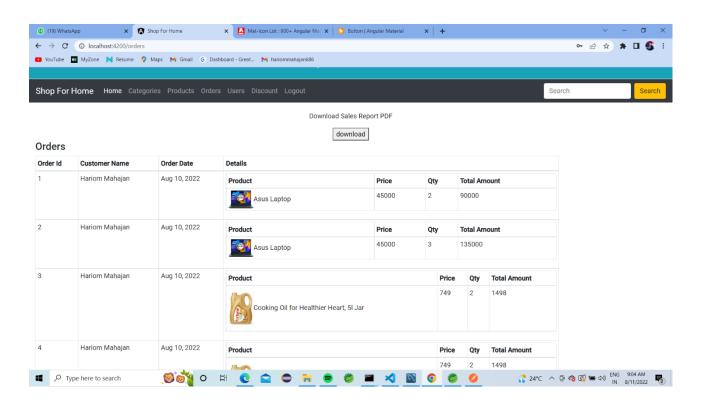
10.User can able to view products in cart :

11. Wish List added products :

12. Admin can able to see orders list :

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<u>CONCLUSION</u>

Using the aforementioned methods, we can determine that

➢ Using Angular, Spring Boot, Node-JS, MySQL, etc., we can build a website.

➢ In this project, we've developed a portal called "SHOP FOR HOME" where users can purchase household goods like decorations and other items.

➢ For the project to run smoothly, we require updated or most recent software.

➢ The user interface must be flexible and both the frontend and backend must execute frequently on the page.

➢ E-commerce is continuously progressing and is becoming more and more important to businesses as technology continues to advance and is something that should be taken advantage of and implemented.

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<u>REFERENCES</u>

References to projects that contain assemblies are referred to as project references, and you may add project references by utilising the Reference Manager dialogue box's Projects tab. When provided a path to the project, Visual Studio can locate an assembly.