HOME-SHOP
WEB
APPLICATION
ID : C7-G2(GROUP-B)

WELCOME TO OUR PROJECT PRESENTATION

Group Members :

Anshika Singh

Akshay Jaiswal

Akhilesh Jaiswal

Kaushal Rajbahadur Singh

Boya Venkatesh

NECESSITY IS THE MOTHER OF INVENTION

~PLATO

- During the time of the pandemic, concerns about the spread of the coronavirus have made offline storage a challenge. Therefore, many offline electronic accessories stores are closing due to a lack of visitors.

- The pandemic has put almost all small companies at a standstill. So during this pandemic, there must be a way to keep these small businesses running without big losses.

- Home-Shop is a well-known store in the home goods market. All offline purchases are suspended due to COVID-19. Therefore, reserve wants to move to an online platform and have its web application.

OBJECTIVE :

- The Web Based Home-Shop project mainly focuses on basic operations adding new product, updating existing product , deleting products and facility to online shopping.

- It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop.

- Our objective is to provide best user experience so that user can buy the product easily and also admin to easily handle the web application to overview the product details and its sales.

INTRODUCTION TO THE PROJECT

- Online shopping 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 or a mobile app.

- Online shops give us the opportunity to shop 24/7, and also reward us with a 'no pollution' shopping experience.

- Online shopping can save time for both the buyer and retailer, reducing phone calls about availability, specifications, hours of operation or other information easily found on company and product pages.

- The application design contains two modules one is for the customers who wish to buy the articles. And another is for the store owners(admin) who maintain and updates the information regarding the articles and about the customers.

TECHNOLOGIES AND TOOLS USED:

TECHNOLOGIES:

Front-End: HTML, CSS, JAVASCRIPT, BOOTSTRAP ANGULAR8

Back-End: SPRINGBOOT, HIBERNATE

TOOLS:

Front-End: Visual Studio Code

Back-End: STS4(Spring Tool Suite 4), MySQL (DBeaver) 8.0CE

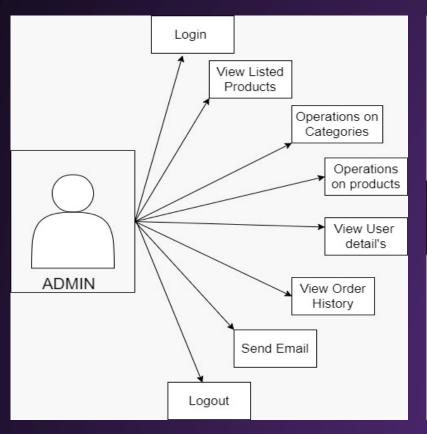Browser: Google Chrome For Development
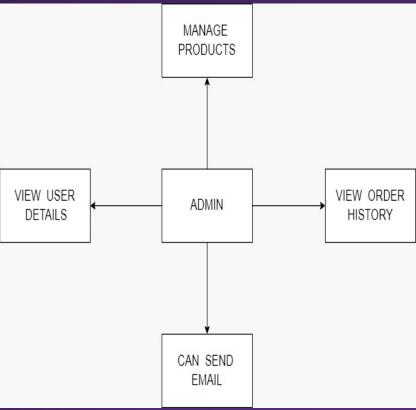
Server: Tomcat Server(Port : 8080)

API Services: Postman

ADMIN FUNCTIONALITY :

- As an Admin I will be able to login, Logout and Register into the application.

- As an Admin I will be able to perform CRUD on Users.

- As an Admin I will be able to Perform CRUD on the products.

- As an Admin I will be able to get bulk upload option to upload a csv for products details.

- As an Admin I will be able to get the stocks.

- As an Admin I will be able to mail if any stock is less than 10.

- As an Admin I will be able to get the sales report of a specific duration.

- As an Admin I will be able to set the discount coupons for the specific set of users
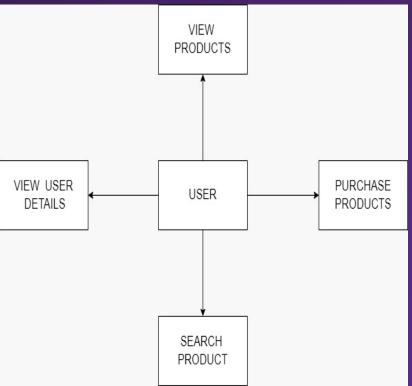
ADMIN USAGES :

USER FUNCTIONALITY :

- As a user I will be able to login, Logout and Register into the application.
- As a user I will be able to see the products in different categories.
- As a user I will be able to sort the products.
- As a user I will be able to add the products into the shopping cart.
- As a user I will be able to increase or decrease the quantity added in the cart.
- As a user I will be able to add "n" number of products in the cart.
- As a user I will be able to get the Wishlist option where I can add those products which I want but don't want to order now.
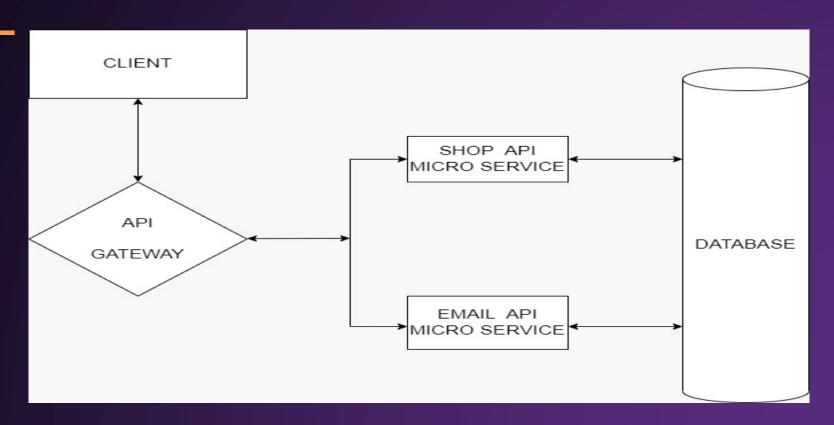- As a user I will get different discount coupons.

USER / CUSTOMER USAGES & CASE DIAGRAM
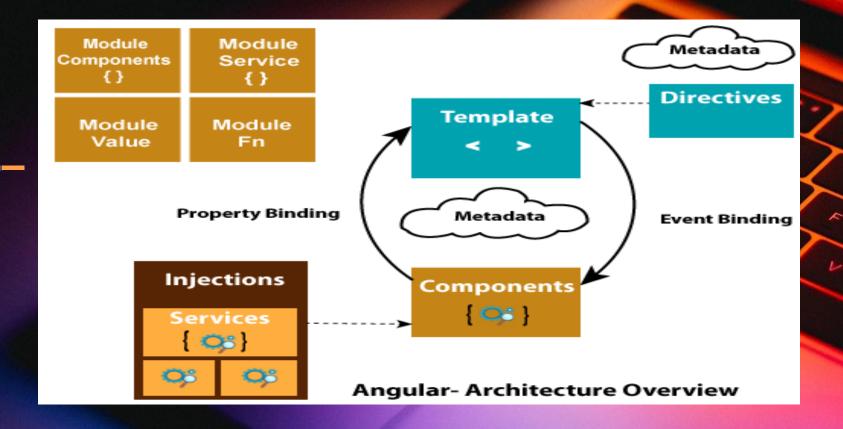
PROJECT STRUCTURE :

SYSTEM TOOLS FOR FRONT-END

HTML (Hyper Text Markup Language) : HTML is a syntax used to format a text document on the web.

CSS (Cascading Style Sheets) : CSS is a style sheet language used for describing the look and formatting of a document written in a markup language.

Bootstrap : It is the most popular CSS framework for developing responsive and mobile-first websites.

TYPE SCRIPT: TypeScript is a primary language for Angular application development. It is a superset of JavaScript with design-time support for type safety and tooling. Browsers can't execute TypeScript directly

Angular 8 : is a client-side TypeScript based framework which is used to create dynamic web applications.

ANGULAR ARCHITECTURE
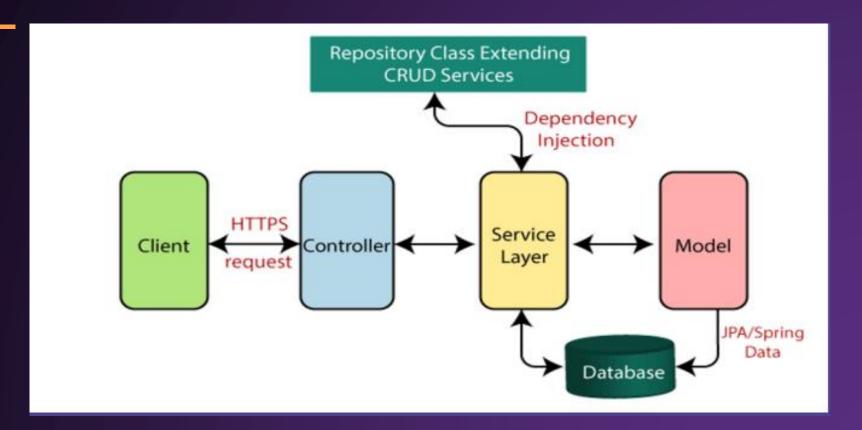

Angular- Architecture Overview

BACK-END

MySQL : MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language. An application software called Navicat was used to design the tables in MySQL.

Spring Boot : Spring Boot Tutorial provides basic and advanced concepts of Spring Framework. Our Spring Boot Tutorial is designed for beginners and professionals both. Spring Boot is a Spring module that provides the RAD (Rapid Application Development) feature to the Spring framework.

Hibernate : Hibernate is a Java framework that simplifies the development of Java application to interact with the database. It is an open source, lightweight, ORM (Object Relational Mapping) tool. Hibernate implements the specifications of JPA (Java Persistence API) for data persistence.

Spring Tool Suite : STS is an Eclipse-based development environment that is customized for the development of Spring applications.
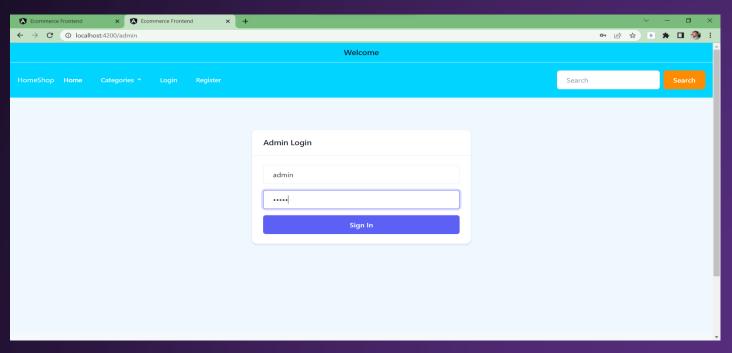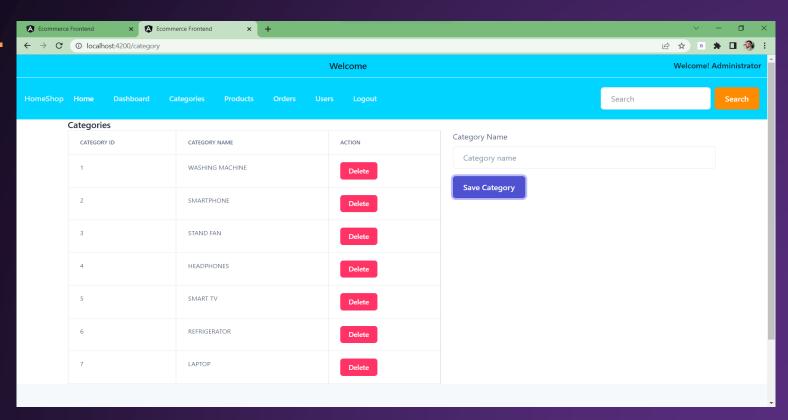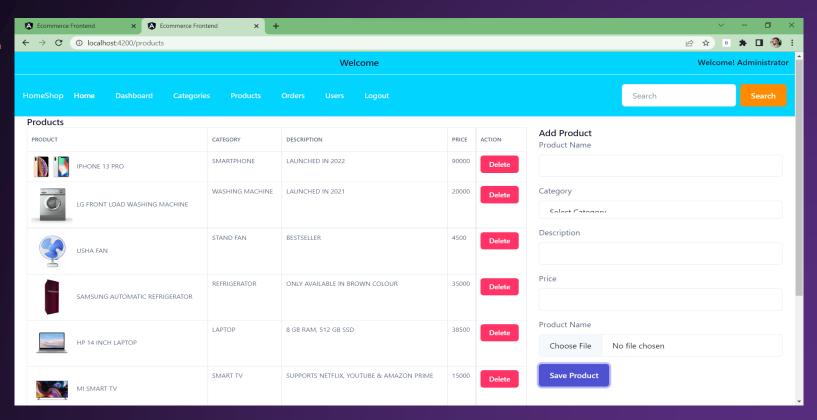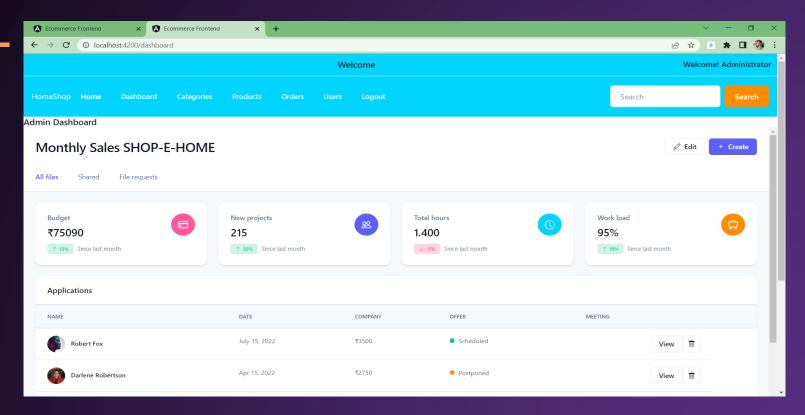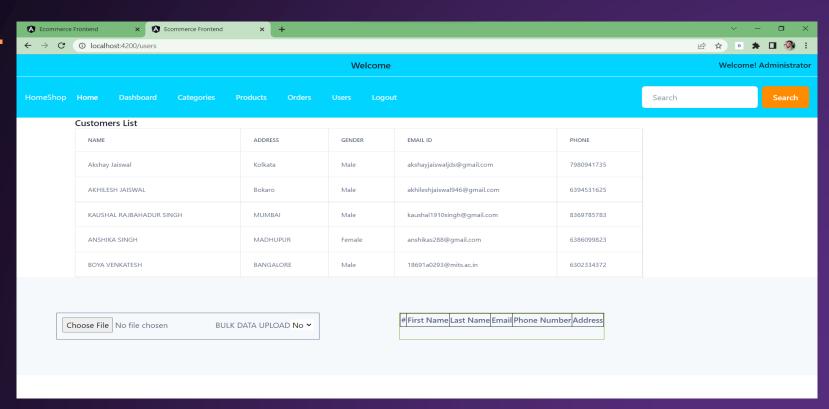
SPRING BOOT ARCHITECTURE :

DATABASE DESIGN

SNAPSHOT OF WEB APPLICATION

ADMIN FUNCTIONALITY :

ADMIN LOGIN

ADMIN FUNCTIONALITY :

ADDING / DELETING CATEGORIES

ADMIN FUNCTIONALITY :

ADDING / DELETING PRODUCTS

ADMIN FUNCTIONALITY :

ADMIN DASHBOARD WITH MONTHLY SALES REPORT

ADMIN FUNCTIONALITY :

CRUD OPERATION ON USERS ALONG WITH BULK UPLOAD FEATURE

USER FUNCTIONALITY :

<< CUSTOMER LOGIN

CUSTOMER REGISTRATION >>

USER FUNCTIONALITY :

HOME PAGE DISPLAYING PRODUCTS

USER FUNCTIONALITY :

MY CART WITH PAYMENT GATEWAY

USER FUNCTIONALITY :

<<   USER PROFILE

WISHLIST   >>

USER FUNCTIONALITY :

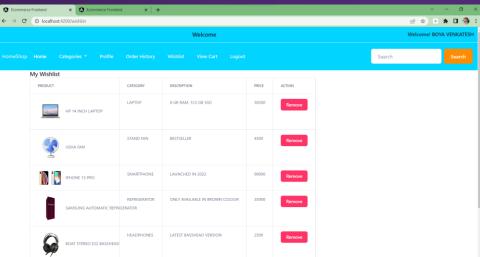ORDER DETAILS
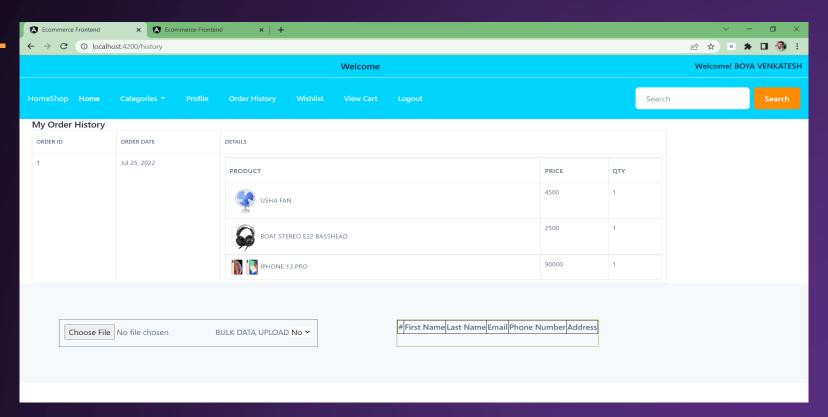
CONCLUSION

- The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming.

- The purpose of this project was to develop a web application and an android application for purchasing items from a shop.

- This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive templates, designing of android applications, and management of database using mysql .

- The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project.

THANK YOU FOR YOUR SUPPORT

WIPRO
Indian Multinational Corporation

MR AKASH KALE

Mentor

GREAT LEARNING
Training Partner