

HOME-SHOP

WEB APPLICATION

ID : C7-G2(GROUP-B)



— WELCOME TO OUR PROJECT PRESENTATION

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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

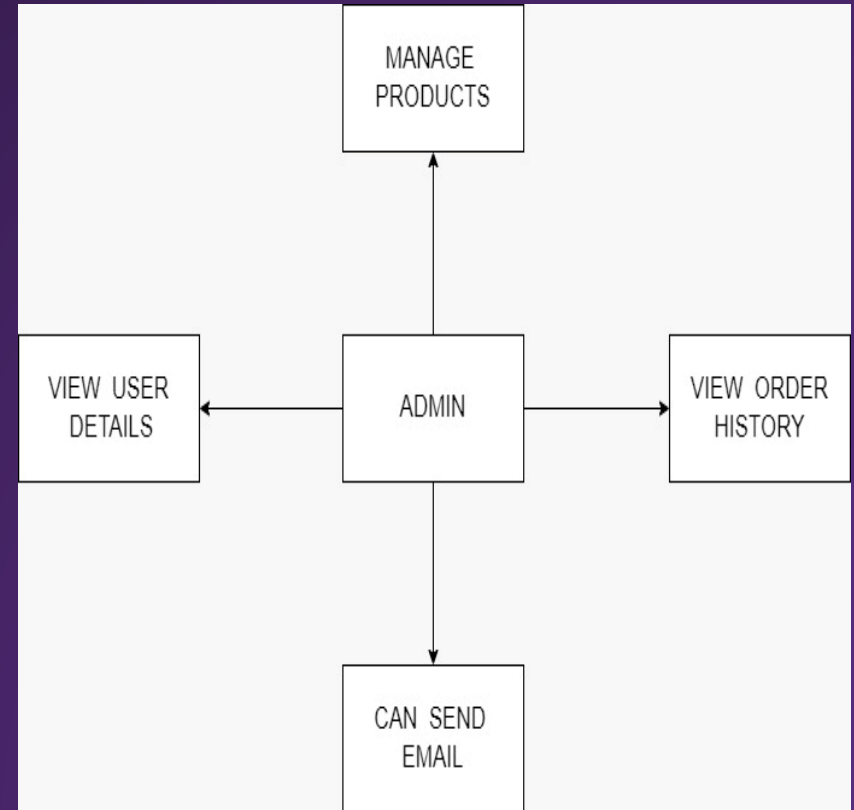
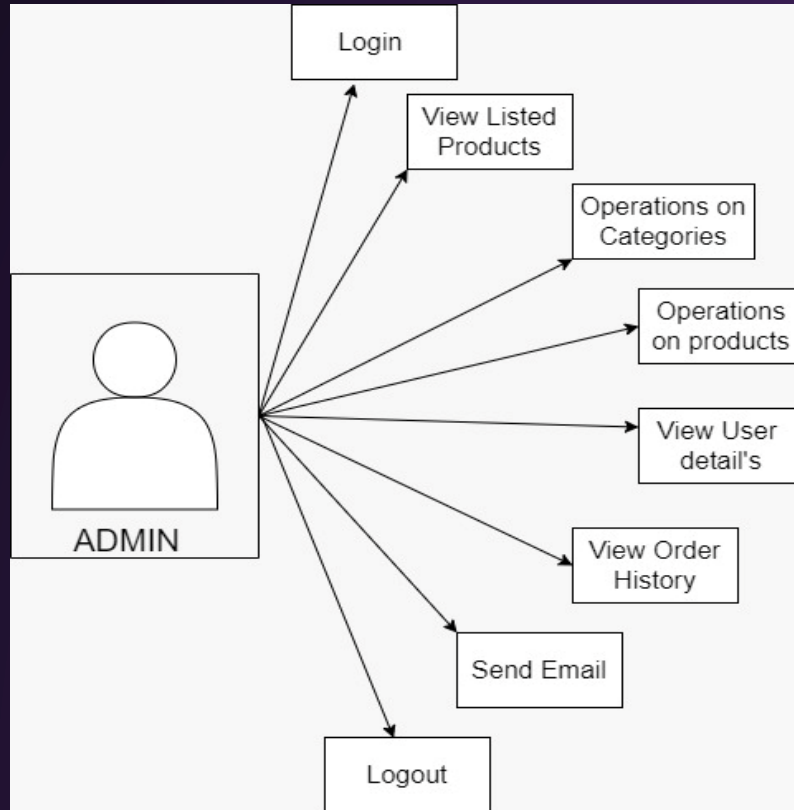


ADMIN FUNCTIONALITY :

- 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 :

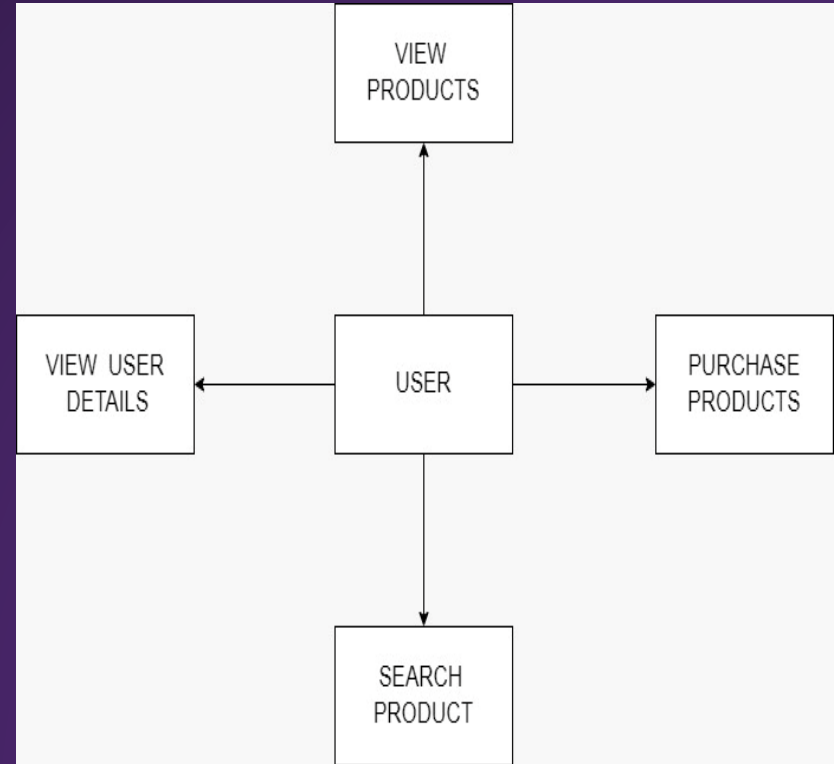
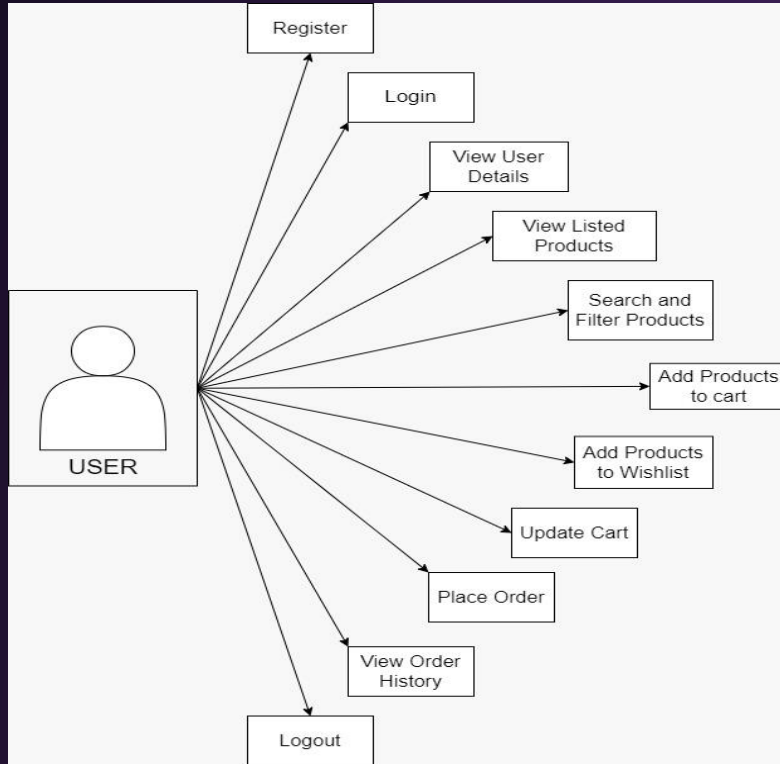


USER FUNCTIONALITY :

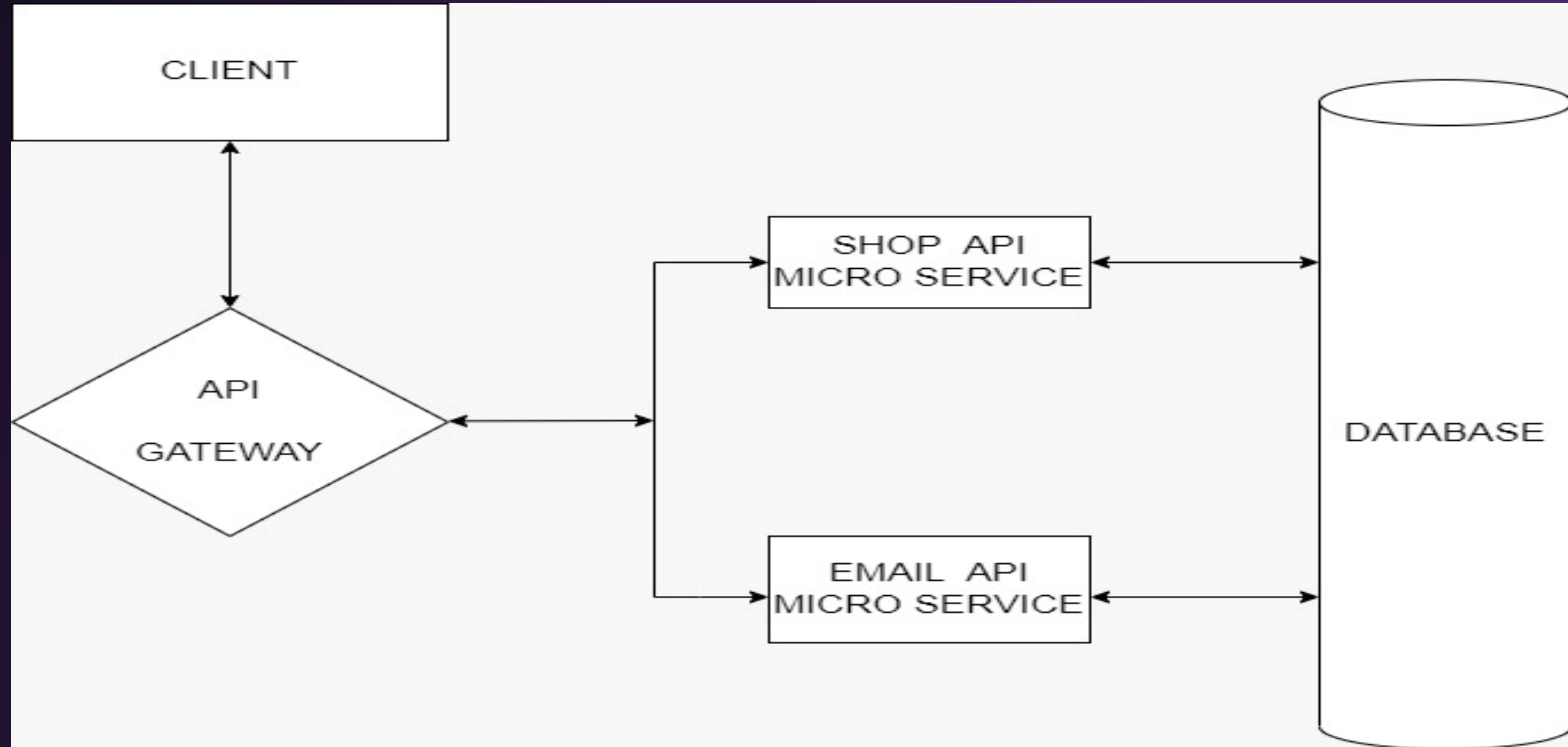
- As a user I will be able to login, Logout and Register into the application.
- As a user I will be able to see the products in different categories.
- As a user I will be able to sort the products.
- As a user I will be able to add the products into the shopping cart.
- As a user I will be able to 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.

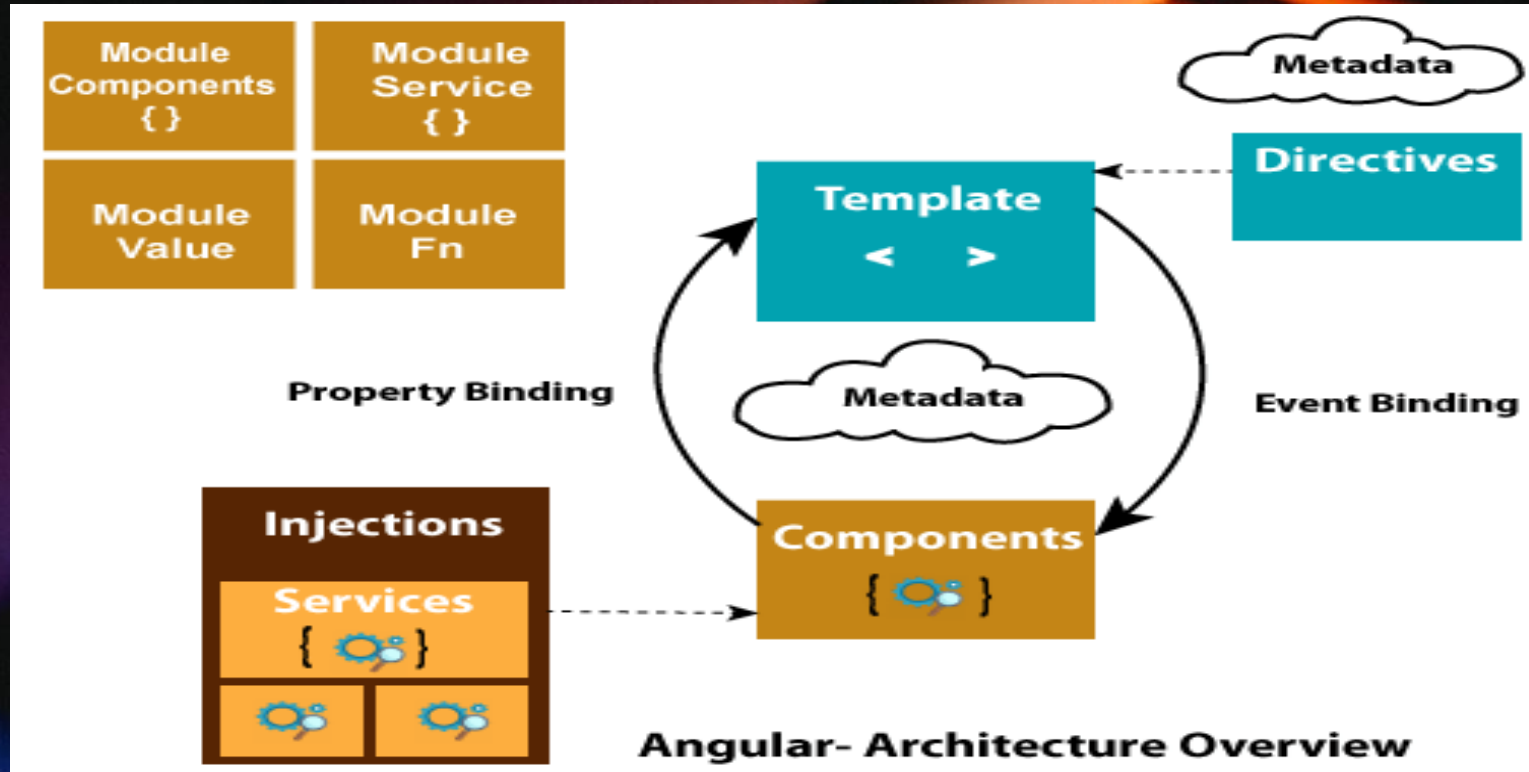
CSS (Cascading Style Sheets) : CSS is a style sheet language used for describing the look and formatting of a document written in a markup language.

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

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

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

ANGULAR ARCHITECTURE



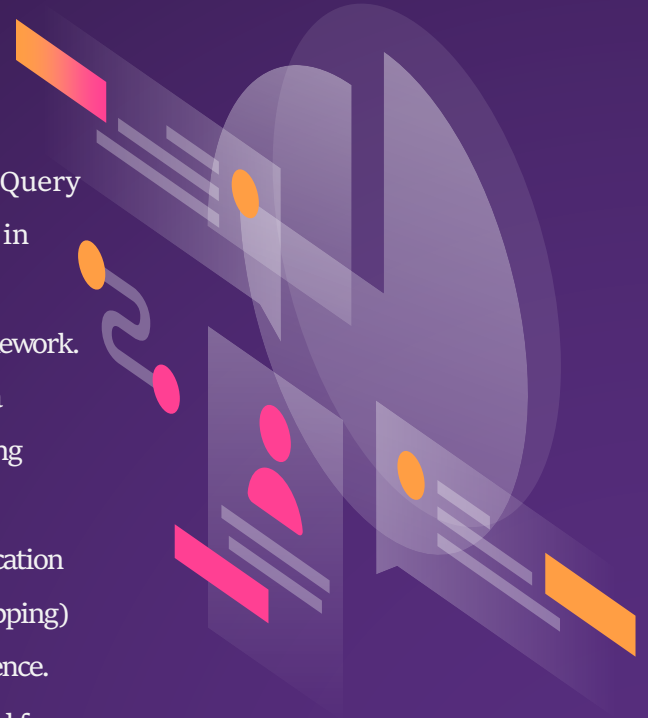
BACK-END

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.

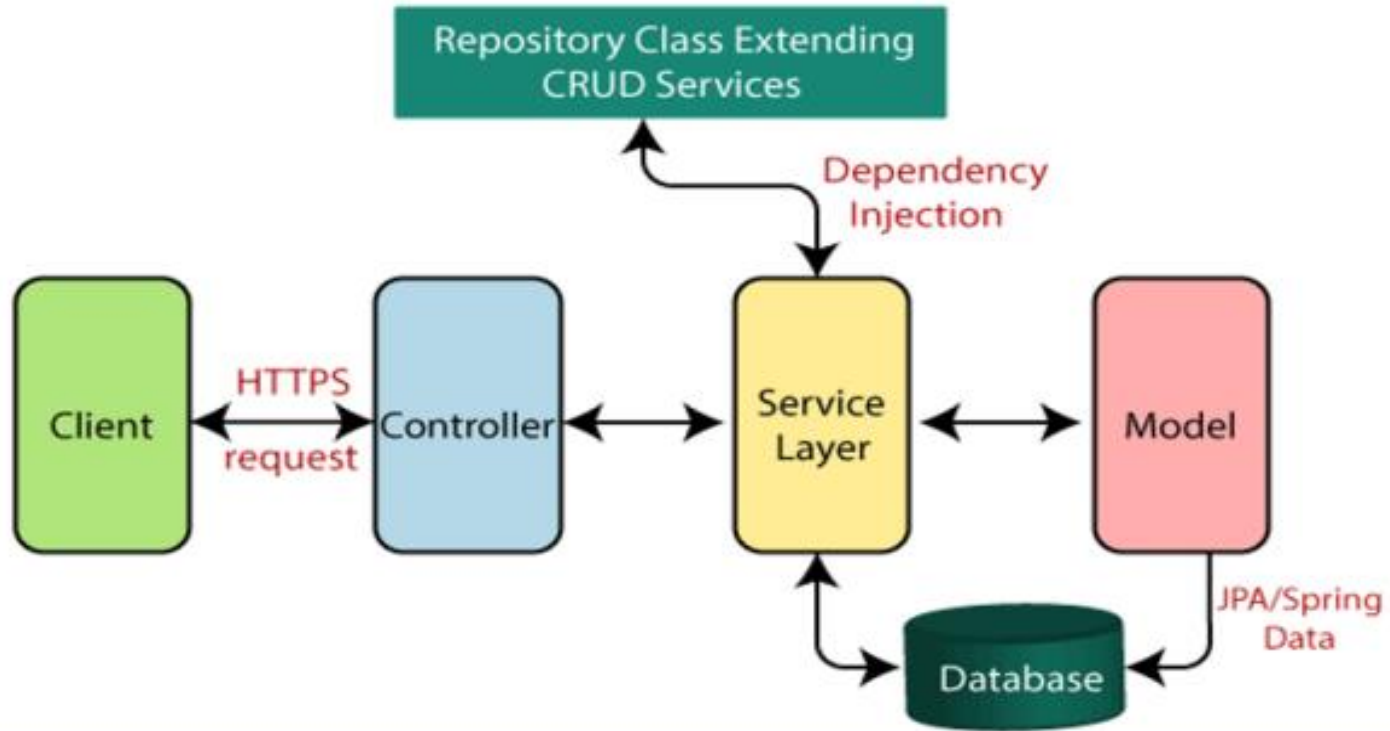
Spring Boot : Spring Boot Tutorial provides basic and advanced concepts of Spring Framework. Our Spring Boot Tutorial is designed for beginners and professionals both. Spring Boot is a Spring module that provides the RAD (Rapid Application Development) feature to the Spring framework.

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.

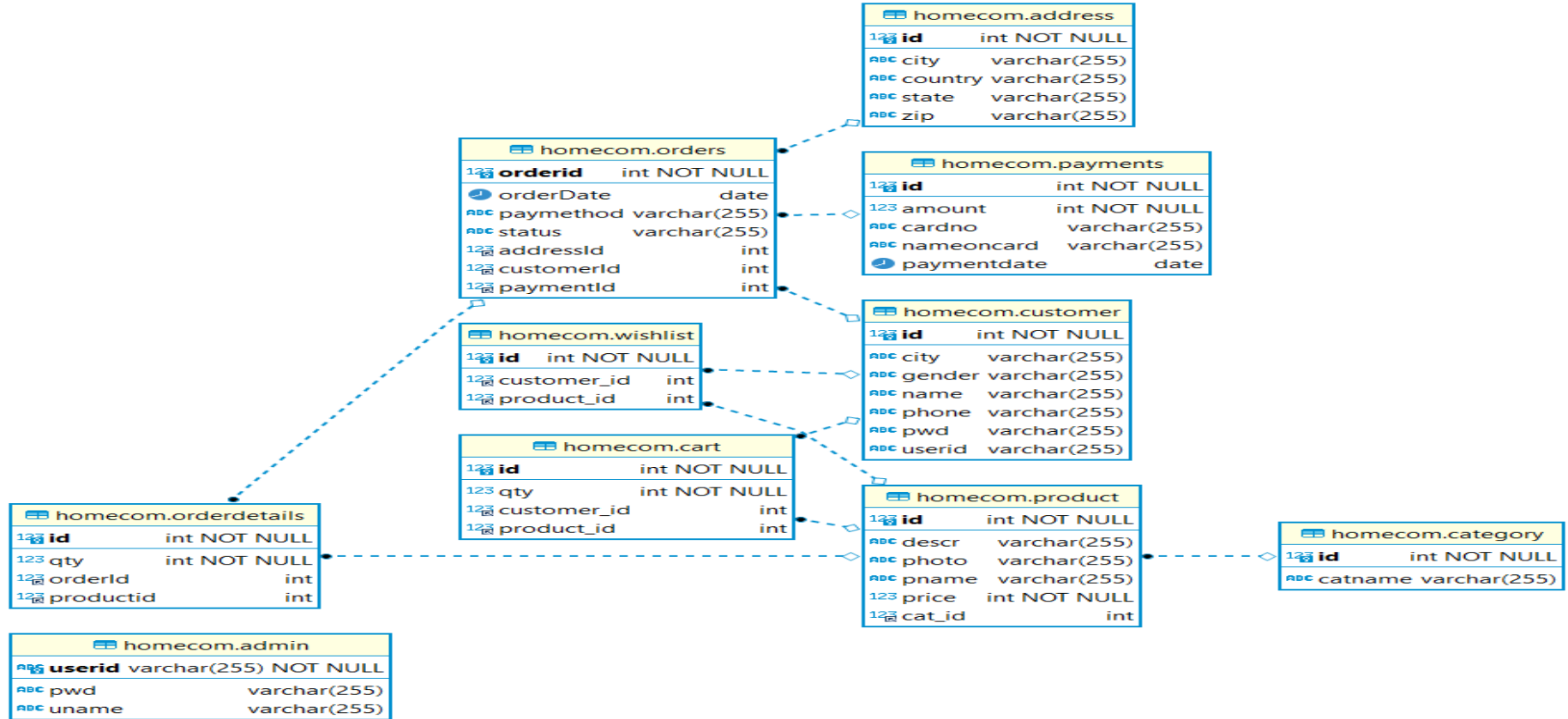
Spring Tool Suite : STS is an Eclipse-based development environment that is customized for the development of Spring applications.



SPRING BOOT ARCHITECTURE :

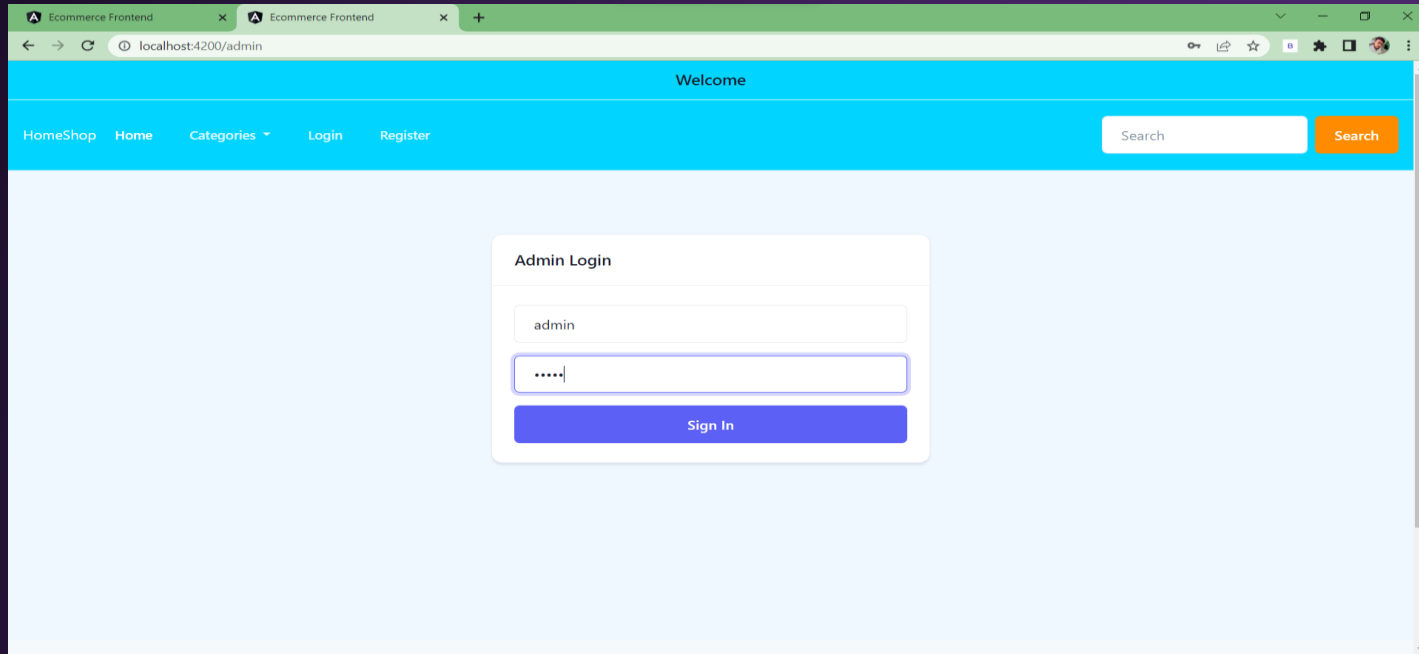


DATABASE DESIGN



SNAPSHOT OF WEB APPLICATION

ADMIN FUNCTIONALITY :



The screenshot shows a web browser window with two tabs labeled 'Ecommerce Frontend'. The address bar displays 'localhost:4200/admin'. The page has a blue header with the text 'Welcome'. Below the header is a navigation bar with links: 'HomeShop', 'Home', 'Categories' (with a dropdown arrow), 'Login', and 'Register'. On the right side of the navigation bar is a search bar with the placeholder text 'Search' and an orange 'Search' button. The main content area is light blue and contains a white 'Admin Login' form. The form has a title 'Admin Login', a text input field containing 'admin', a password input field with masked characters '.....', and a blue 'Sign In' button.

ADMIN LOGIN

ADMIN FUNCTIONALITY :

The screenshot displays a web browser window with two tabs labeled 'Ecommerce Frontend'. The address bar shows 'localhost:4200/category'. The page has a blue header with 'Welcome' on the left and 'Welcome! Administrator' on the right. Below the header is a navigation bar with links: HomeShop, Home, Dashboard, Categories, Products, Orders, Users, and Logout. A search bar with a 'Search' button is also present. The main content area is titled 'Categories' and features a table with three columns: CATEGORY ID, CATEGORY NAME, and ACTION. The table lists seven categories, each with a 'Delete' button. To the right of the table is a form for adding a new category, with a 'Category Name' label, an input field containing 'Category name', and a 'Save Category' button.

CATEGORY ID	CATEGORY NAME	ACTION
1	WASHING MACHINE	Delete
2	SMARTPHONE	Delete
3	STAND FAN	Delete
4	HEADPHONES	Delete
5	SMART TV	Delete
6	REFRIGERATOR	Delete
7	LAPTOP	Delete

Category Name

Category name

Save Category

ADDING / DELETING CATEGORIES

ADMIN FUNCTIONALITY :

Ecommerce Frontend

Ecommerce Frontend

localhost:4200/products

Welcome







Welcome! Administrator

HomeShopHomeDashboardCategoriesProductsOrdersUsersLogout

Search

Search

Products

PRODUCT	CATEGORY	DESCRIPTION	PRICE	ACTION
 IPHONE 13 PRO	SMARTPHONE	LAUNCHED IN 2022	90000	Delete
 LG FRONT LOAD WASHING MACHINE	WASHING MACHINE	LAUNCHED IN 2021	20000	Delete
 USHA FAN	STAND FAN	BESTSELLER	4500	Delete
 SAMSUNG AUTOMATIC REFRIGERATOR	REFRIGERATOR	ONLY AVAILABLE IN BROWN COLOUR	35000	Delete
 HP 14 INCH LAPTOP	LAPTOP	8 GB RAM, 512 GB SSD	38500	Delete
 MI SMART TV	SMART TV	SUPPORTS NETFLIX, YOUTUBE & AMAZON PRIME	15000	Delete

Add Product

Product Name

Category

Select Category

Description

Price

Product Name

Choose FileNo file chosen

Save Product

ADDING / DELETING PRODUCTS

ADMIN FUNCTIONALITY :

The screenshot displays an Admin Dashboard for 'SHOP-E-HOME'. The interface includes a navigation bar with links to HomeShop, Home, Dashboard, Categories, Products, Orders, Users, and Logout. A search bar is located on the right. The main content area features a 'Monthly Sales SHOP-E-HOME' section with filters for 'All files', 'Shared', and 'File requests'. Below this, there are four summary cards: Budget (₹75090, +13% since last month), New projects (215, +30% since last month), Total hours (1.400, -5% since last month), and Work load (95%, +10% since last month). The 'Applications' section contains a table with columns for NAME, DATE, COMPANY, OFFER, and MEETING. Two applications are listed: Robert Fox (July 15, 2022, ₹3500, Scheduled) and Darlene Robertson (Apr 15, 2022, ₹2750, Postponed). Each application has 'View' and 'trash' icons.

Welcome! Administrator

HomeShop Home Dashboard Categories Products Orders Users Logout

Search Search

Admin Dashboard

Monthly Sales SHOP-E-HOME

Edit Create

All files Shared File requests

Budget ₹75090 ↑ 13% Since last month

New projects 215 ↑ 30% Since last month

Total hours 1.400 ↓ 5% Since last month

Work load 95% ↑ 10% Since last month

Applications

NAME	DATE	COMPANY	OFFER	MEETING
Robert Fox	July 15, 2022	₹3500	● Scheduled	<button>View</button>
Darlene Robertson	Apr 15, 2022	₹2750	● Postponed	<button>View</button>

ADMIN DASHBOARD WITH MONTHLY SALES REPORT

ADMIN FUNCTIONALITY :

The screenshot displays the 'Users' management page in an admin dashboard. The page has a blue header with a 'Welcome' message and a navigation menu. Below the header, there's a search bar and a 'Customers List' table. At the bottom, there are controls for file uploads and a bulk data upload feature.

Navigation Menu: HomeShop, Home, Dashboard, Categories, Products, Orders, Users, Logout

Search Bar: Search [] Search

Customers List

NAME	ADDRESS	GENDER	EMAIL ID	PHONE
Akshay Jaiswal	Kolkata	Male	akshayjaiswaljds@gmail.com	7980941735
AKHILESH JAISWAL	Bokaro	Male	akhileshjaiswal946@gmail.com	6394531625
KAUSHAL RAJBHADUR SINGH	MUMBAI	Male	kaushal1910singh@gmail.com	8369785783
ANSHIKA SINGH	MADHUPUR	Female	anshikas288@gmail.com	6386099823
BOYA VENKATESH	BANGALORE	Male	18691a0293@mits.ac.in	6302334372

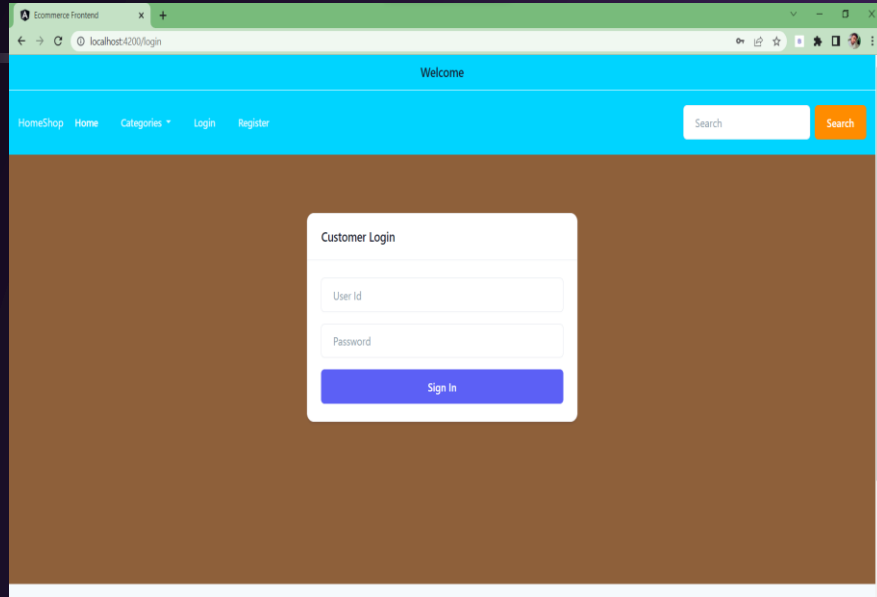
File Upload Section: Choose File No file chosen BULK DATA UPLOAD No ▾

Bulk Upload Table:

#	First Name	Last Name	Email	Phone Number	Address

CRUD OPERATION ON USERS ALONG WITH BULK UPLOAD FEATURE

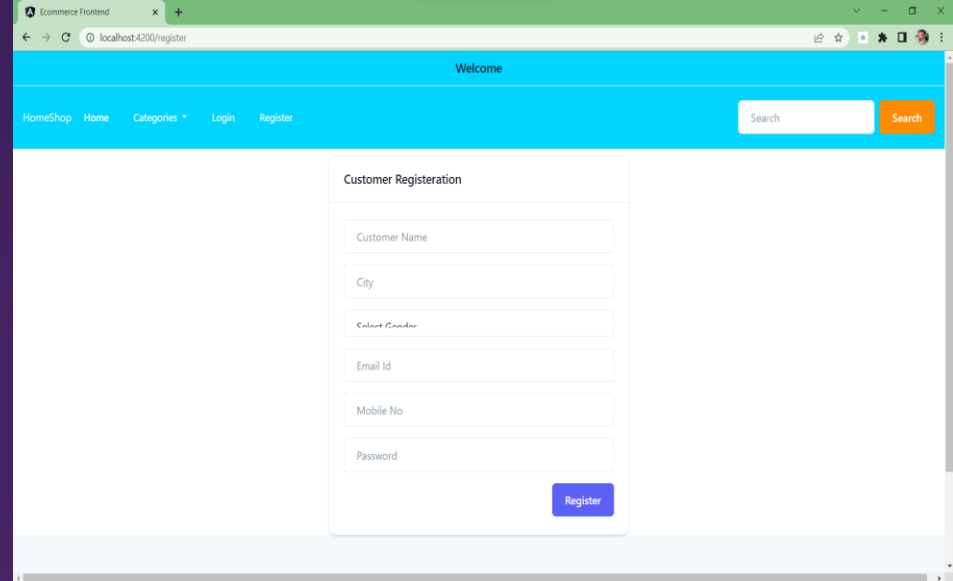
USER FUNCTIONALITY :



The screenshot shows a web browser window with the URL `localhost:4200/login`. The page has a blue header with the text "Welcome" and navigation links: "HomeShop", "Home", "Categories", "Login", and "Register". A search bar with a "Search" button is also present. The main content area is a solid brown color, and a white "Customer Login" form is centered. The form contains two input fields: "User Id" and "Password", followed by a blue "Sign In" button.

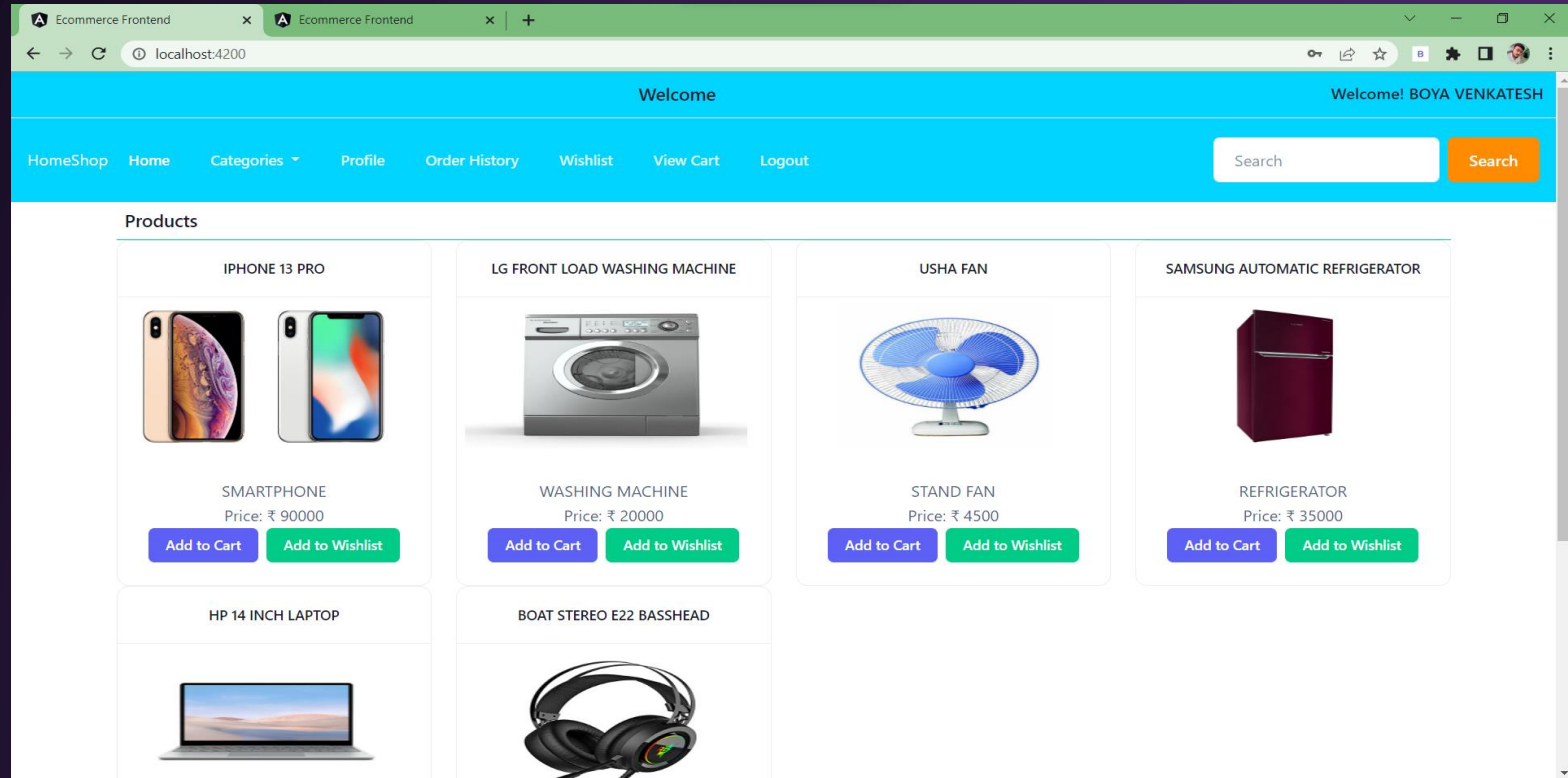
CUSTOMER REGISTRATION >>

<< CUSTOMER LOGIN



The screenshot shows a web browser window with the URL `localhost:4200/register`. The page has a blue header with the text "Welcome" and navigation links: "HomeShop", "Home", "Categories", "Login", and "Register". A search bar with a "Search" button is also present. The main content area is white, and a white "Customer Registration" form is centered. The form contains several input fields: "Customer Name", "City", "Select Gender" (a dropdown menu), "Email Id", "Mobile No", and "Password". A blue "Register" button is located at the bottom right of the form.

USER FUNCTIONALITY :



HOME PAGE DISPLAYING PRODUCTS

USER FUNCTIONALITY :

The screenshot displays a web application interface for an e-commerce store. The browser's address bar shows the URL `localhost:4200/viewcart`. The page features a blue navigation bar with the text "Welcome" and a user greeting "Welcome! BOYA VENKATESH". The navigation menu includes links for HomeShop, Home, Categories, Profile, Order History, Wishlist, View Cart, and Logout. A search bar is located on the right side of the navigation bar.

The main content area is titled "My Cart" and contains a table with the following items:

PRODUCT	PRICE	QTY	AMOUNT	ACTION
USHA FAN (STAND FAN)	4500	- 1 +	4500	<button>Remove</button>
BOAT STEREO E22 BASSHEAD (HEADPHONES)	2500	- 1 +	2500	<button>Remove</button>
IPHONE 13 PRO (SMARTPHONE)	90000	- 1 +	90000	<button>Remove</button>
Total			97000	

To the right of the cart table is a "Check Out" section. It includes a "Card No" field with a placeholder "16-digit Card No", a "Name on Card" field with a placeholder "Name on card", and an "Expiry Date" field with a placeholder "-----, ----" and a calendar icon. There is also a "CVV" field with a placeholder "CVV". Below these fields is an "Amount" field showing "97000". At the bottom of the checkout section is a green "Place Order" button.

MY CART WITH PAYMENT GATEWAY

USER FUNCTIONALITY :

The screenshot shows a web browser window with the URL `localhost:4200/profile`. The page has a blue header with the text "Welcome" and "Welcome! Akshay Jaiswal". Below the header is a navigation bar with links: HomeShop, Home, Categories, Profile, Order History, Wishlist, View Cart, and Logout. A search bar is also present. The main content area is titled "User Profile" and contains a form with the following fields:






Name	Akshay Jaiswal
Address	Kolkata
Gender	Male
Email Id	akshayjaiswaljds@gmail.com
Phone no	7980941735

Below the form, there is a section for bulk data upload with a "Choose File" button, a "No file chosen" status, and a "BULK DATA UPLOAD No" button. To the right, there is a table with headers: First Name, Last Name, Email, Phone Number, and Address.

WISHLIST >>

<< USER PROFILE

The screenshot shows a web browser window with the URL `localhost:4200/wishlist`. The page has a blue header with the text "Welcome" and "Welcome! BOYA VENKATESH". Below the header is a navigation bar with links: HomeShop, Home, Categories, Profile, Order History, Wishlist, View Cart, and Logout. A search bar is also present. The main content area is titled "My Wishlist" and contains a table with the following data:

PRODUCT	CATEGORY	DESCRIPTION	PRICE	ACTION
 HP 14 INCH LAPTOP	LAPTOP	8 GB RAM, 512 GB SSD	38500	Remove
 USHA FAN	STAND FAN	BESTSELLER	4500	Remove
 IPHONE 13 PRO	SMARTPHONE	LAUNCHED IN 2022	90000	Remove
 SAMSUNG AUTOMATIC REFRIGERATOR	REFRIGERATOR	ONLY AVAILABLE IN BROWN COLOUR	35000	Remove
 BOAT STEREO E22 BASSHEAD	HEADPHONES	LATEST BASSHEAD VERSION	2500	Remove

Downloaded from <http://ajph.org/> at University of California, San Diego on June 11, 2015



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



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MR AKASH KALE
Mentor



GREAT LEARNING
Training Partner