WELCOME TO OUR PROJECT PRESENTATION

SHOP FOR HOME

Capstone project C2- G28

Under the supervision of

Ms. Dimple Gulati mam



Team Members:-

Sakkuri Bhanu Prakash Jothisha S Abhishek Kumar Priyesh Kumar Pandey

Shop For Home(E-commerce website)

- ► SHOP FOR HOME's main objective is to allow people to buy and sell physical goods, services, and digital products over the internet. Through our SHOP FOR HOME website, a business can process orders, accept payments, manage shipping and logistics, and provide customer service.
 - It helps buying the products in the shop anywhere through internet. Thus the customer will get the service of online shopping and home delivery from his favorite shop.

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.

To do the above web applications there are two users:-

- User
- Admin

User Stories –

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

Admin Stories –

- As an Admin I should be able to login, Logout and Register into the application.
- As an Admin I should be able to perform CRUD on Users.
- As an Admin I should be able to Perform CRUD on the products.
- As an Admin I should be able to get bulk upload option to upload a csv for products details
- As an Admin I should be able to get the stocks.
- As an Admin I should be able to mail if any stock is less than 10.
- As an Admin I should be able to get the sales report of a specific duration.
- As an Admin I should be able to set the discount coupons for the specific set of users

Technologies And Tools Used

TECHNOLOGIES:

Front-End: Html, CSS, JavaScript, Bootstrap, Angular 13

Back-End: Spring boot, Hibernate

TOOLS:

Front-End: Visual Studio Code

Back-End: Eclipse, PostgreSQL

Browser: Google Chrome For Development

Server: Tomcat Server

API Services: Postman

Project objective

- The objective of the project is to make an application platform to purchase items in an existing shop. In order to build such an application complete web support need to be provided.
- A complete and efficient web application which can provide the online shopping experience is the basic objective of the project.
- The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store.
- The information pertaining to the products are stores on an RDBMS at the server side (store).

Project scope

- This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains.
- The system recommends a facility to accept the orders 24*7 and a home delivery system which can make customers happy.
- ✓ If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay.
- Since the application is available in the Smartphone it is easily accessible and always available.

Modules

The system after careful analysis has been identified to be presented with the following modules and roles. The modules involved are:

☐ Admin

☐ Users

ADMIN: The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the shop. The admin has all the information about all the users and about all products.

This module is divided into different sub-modules.

Manage Orders

Manage Products

Manage Users

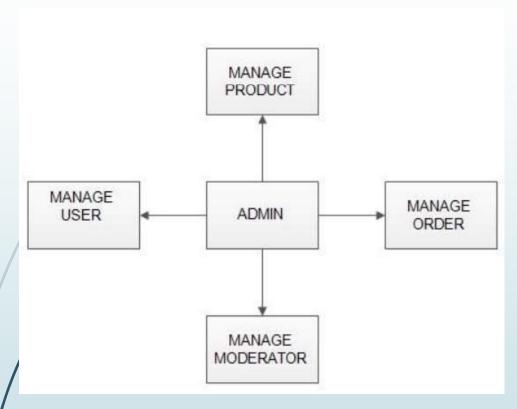


Fig: Admin module

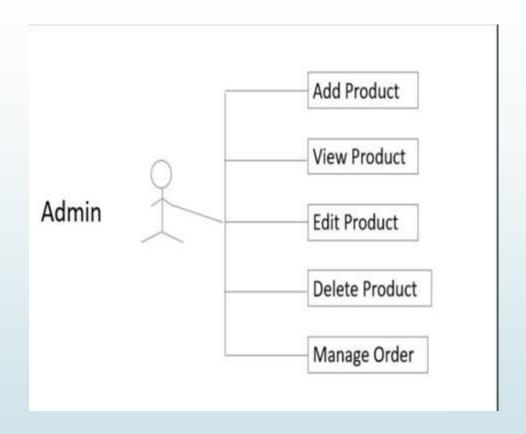


Fig: User case diagram for admin

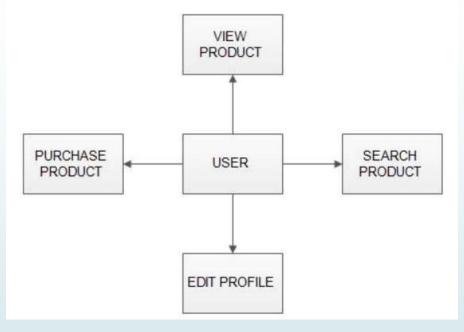
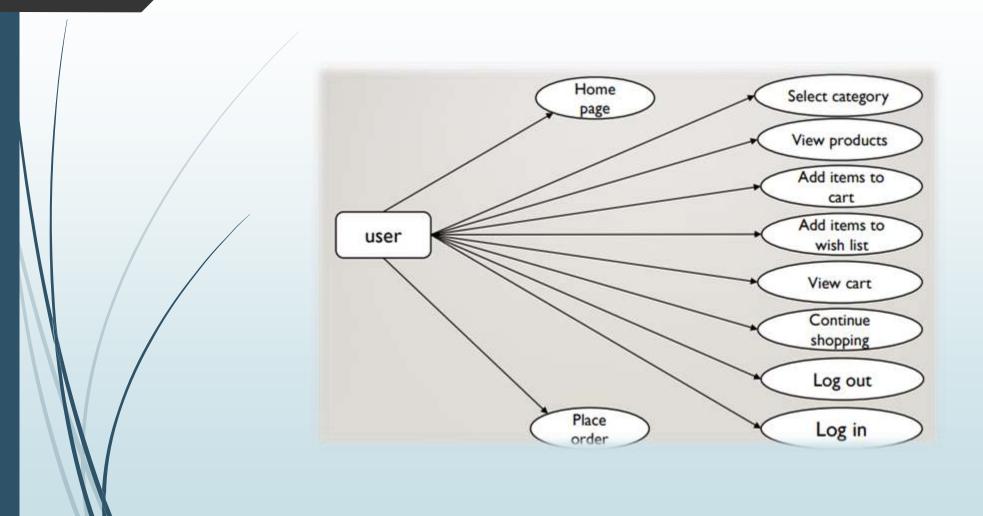


Fig: User Module

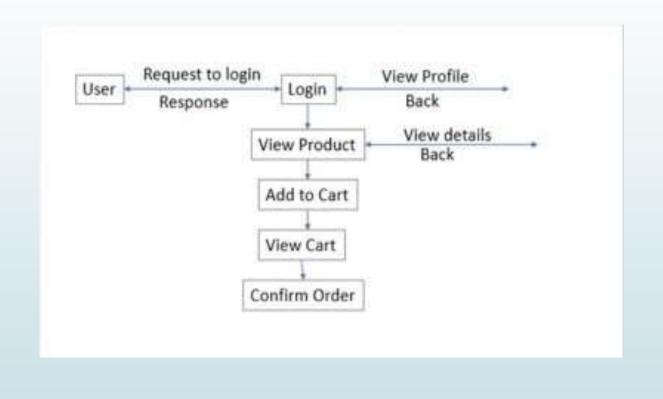
- Registration: A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.
- Login: A user must login with his user name and password to the system after registration.

- View Products: User can view the list of products based on their names after successful login. A detailed description of a particular product with product name, products details, product image, price can be viewed by users.
- Search Product: Users can search for a particular product in the list by name.
- Add to cart: The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove.
- Submit Cart: After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.
- History: In the history the user will have a view of pending orders.
- Edit Profile: The user can view and edit the profile.

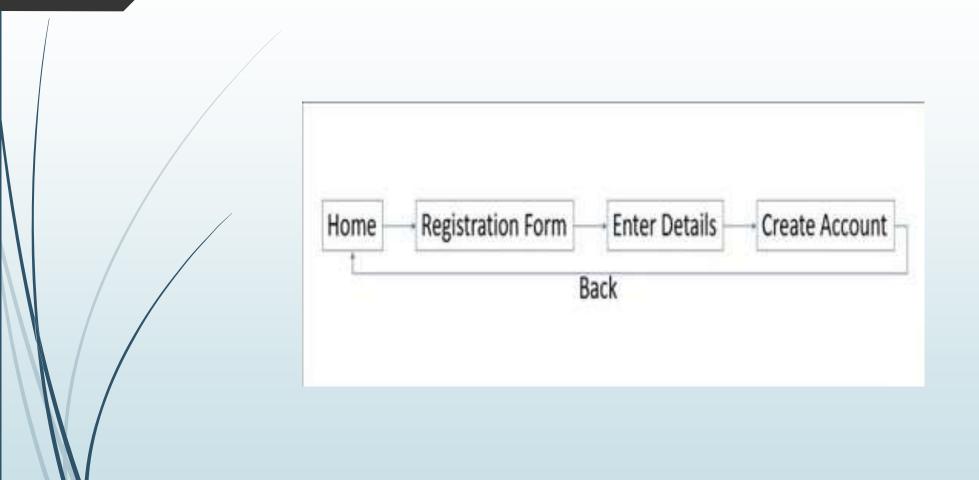
User case diagram for customer



DATA FLOW DIAGRAM FOR USER LOGIN



DATA FLOW DIAGRAM FOR ACCOUNT CREATION



SYSTEM REQUIREMENT SPECIFICATION

■ NON FUNCTIONAL REQUIREMENTS :

- 1. EFFICIENCY REQUIREMENT: When an online shopping cart android application implemented customer can purchase product in an efficient manner.
- 2. RELIABILITY REQUIREMENT: The system should provide a reliable environment to both customers and owner. All orders should be reaching at the admin without any errors.
- 3. USABILITY REQUIREMENT: The android application is designed for user friendly environment and ease of use.
- 4. /IMPLEMENTATION REQUIREMENT: Implementation of the system using css and html in front end with jsp as back end and it will be used for database connectivity. And the database part is developed by PostgreSQL. Responsive web designing is used for making the website compatible for any type of screen.

■ FUNCTIONAL REQUIREMENTS

USER

- User Login
 - ➤ Description of feature : This feature used by the user to login into system. A user must login with his user name and password to the system after registration. If they are invalid, the user not allowed to enter the system.
 - > Functional requirement :
 - -Username and password will be provided after user registration is confirmed.
 - -Password should be hidden from others while typing it in the field.
- Register New User
 - Description of feature: A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

> Functional requirement :

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.
- Purchasing An Item
 - Description of feature: The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove. After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.
 - > Functional requirement :
 - System must ensure that, only a registered customer can purchase items.

ADMIN

Manage User

Description of feature: The administrator can add user, delete user, view user and block user.

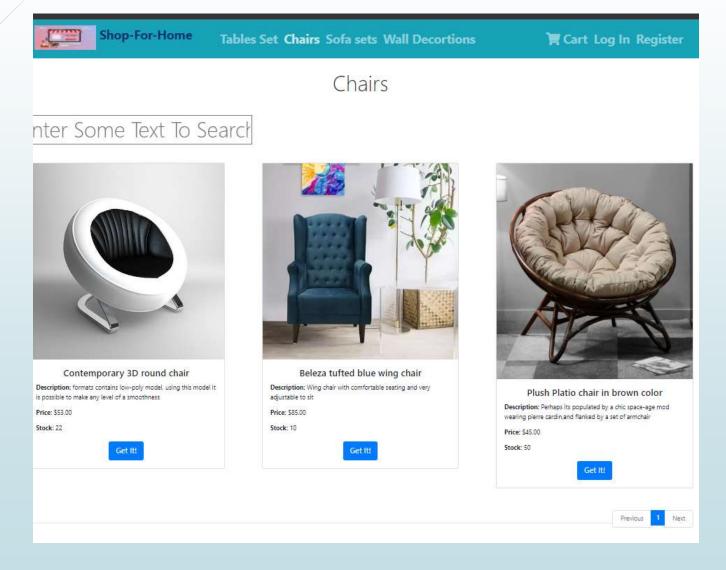
Manage Products

Description of feature: The administrator can add product, delete product and view product.

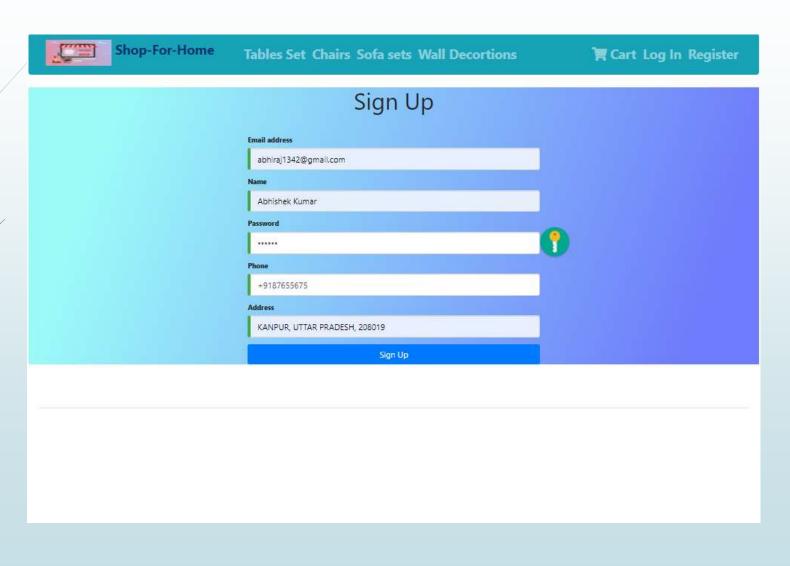
Manage Orders

- ➤ Description of feature : The administrator can view orders and delete orders.
- > Functional requirements: The system must identify the login of the admin

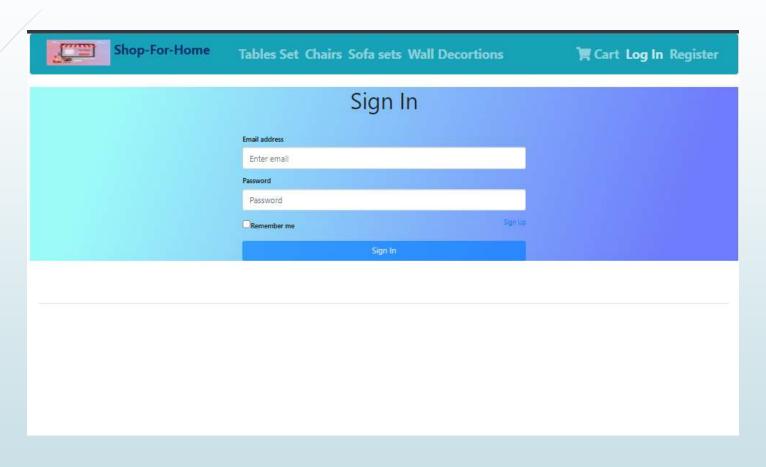
Screenshots



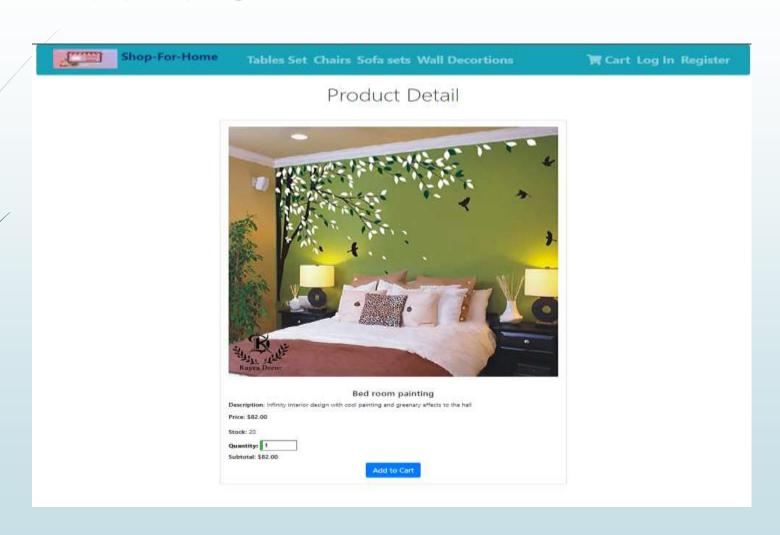
Registration Page



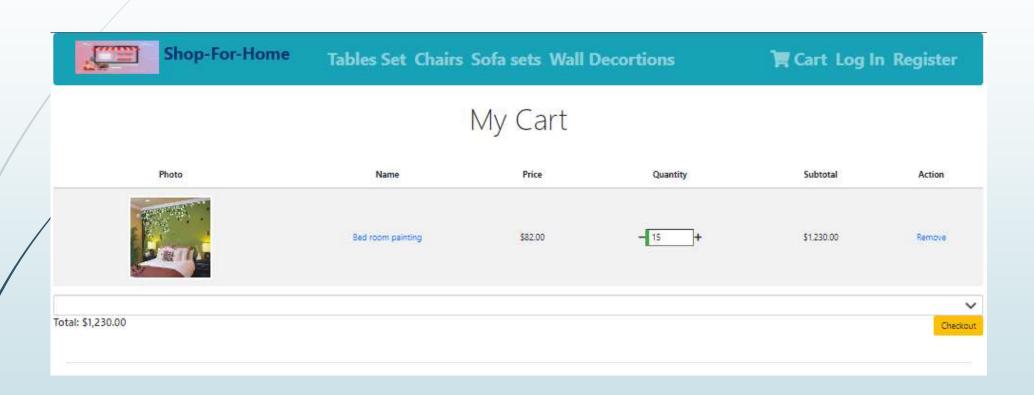
Login Page



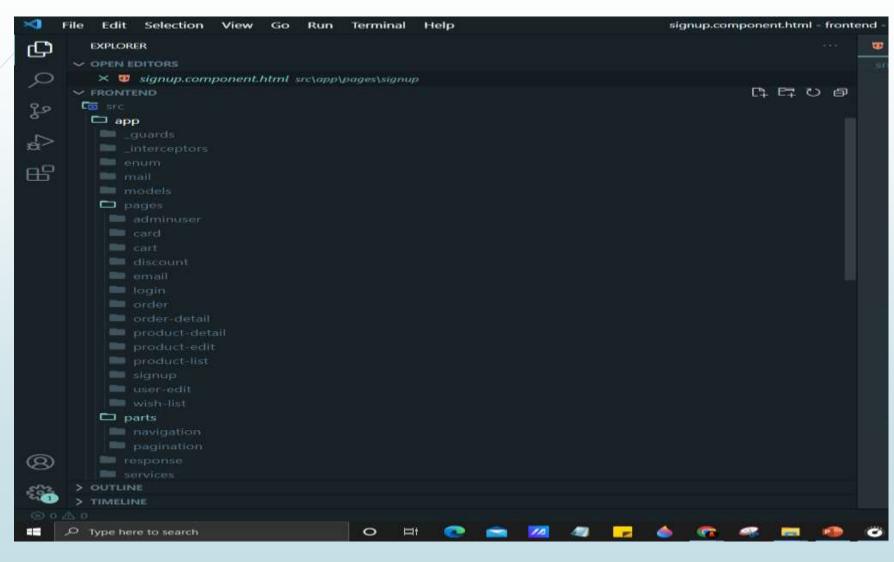
Add to Cart



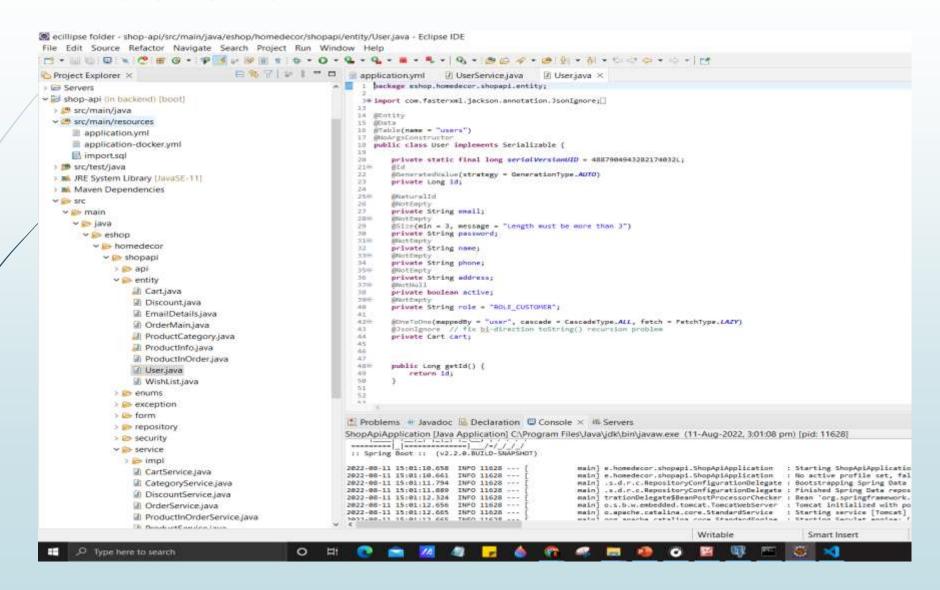
My cart



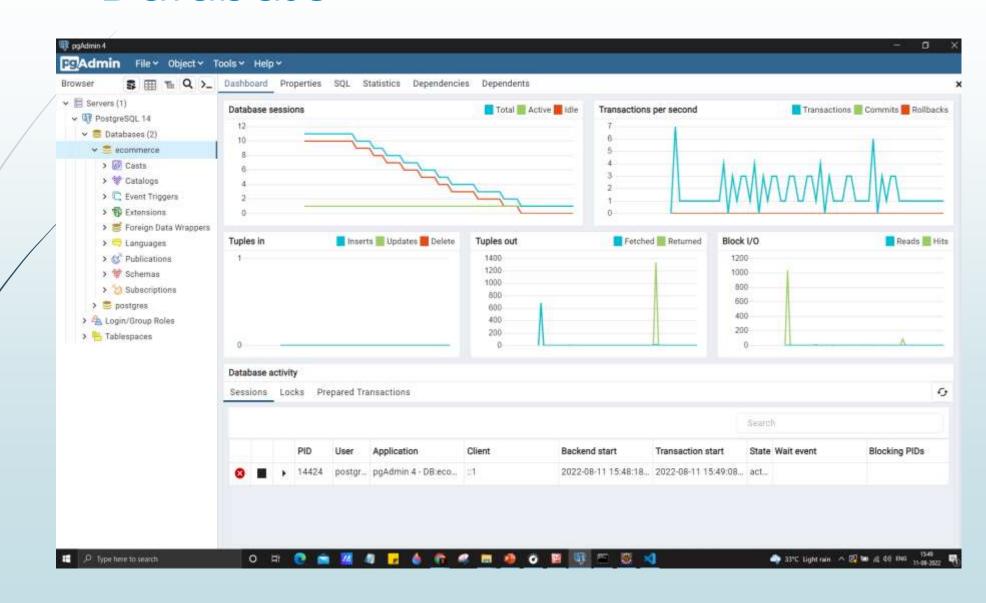
Components Angular



Backend



Database



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 PostgreSQL.
- 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

