ESSENTIALS

SOFTWARE ENGINEERING PROJECT

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3. Manan Gyanchandani
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PURPOSE

The purpose of developing this web application is to provide a platform to manage daily services like milk, newspaper, dairy products, poultry, or seafood items.

WHY?

- The billing and delivery of daily essentials is managed manually by the sellers and buyers.
- Proper record of such transactions is not maintained.
- Presently there is no platform for managing these services altogether.

EXISTING SYSTEMS

- Currently, there is no one-stop combined platform for these services.
- Usually, billing for these daily essential services is done manually.
- Proper record of the delivery of services is not maintained properly by the distributor and customer.
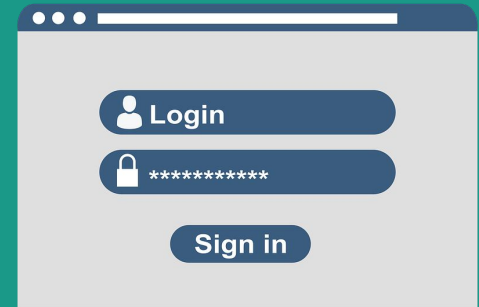
PROPOSED SYSTEMS

The proposed systems has following features:

- Login/Register
- Automated Billing
- Flexible and modifiable subscription
- Record maintenance of the subscription
- Chat Bot to place orders and add/modify subscriptions.

Flow of the application

- Every user will be first directed to the sign in/sign up page.
- New users can register themselves via the sign up page.
- Registered users can log in via the sign in page

ESSENTIALS   Home   Order Now   Dashboard

Existing user? Login here   New user? Signup here

Sign up

First name

Last name

Email

Password

Re-Enter Password

Mobile Number

Please choose an option

SIGN UP

Sign Up: New users can register themselves.
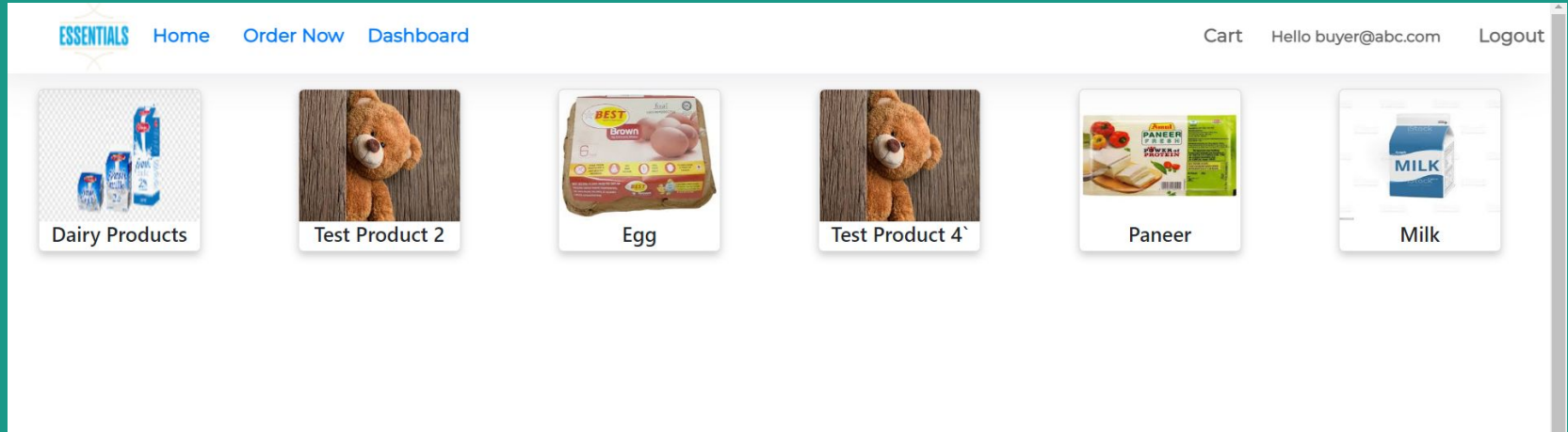
Sign In: Registered users can sign in into their accounts

Signed in as buyer
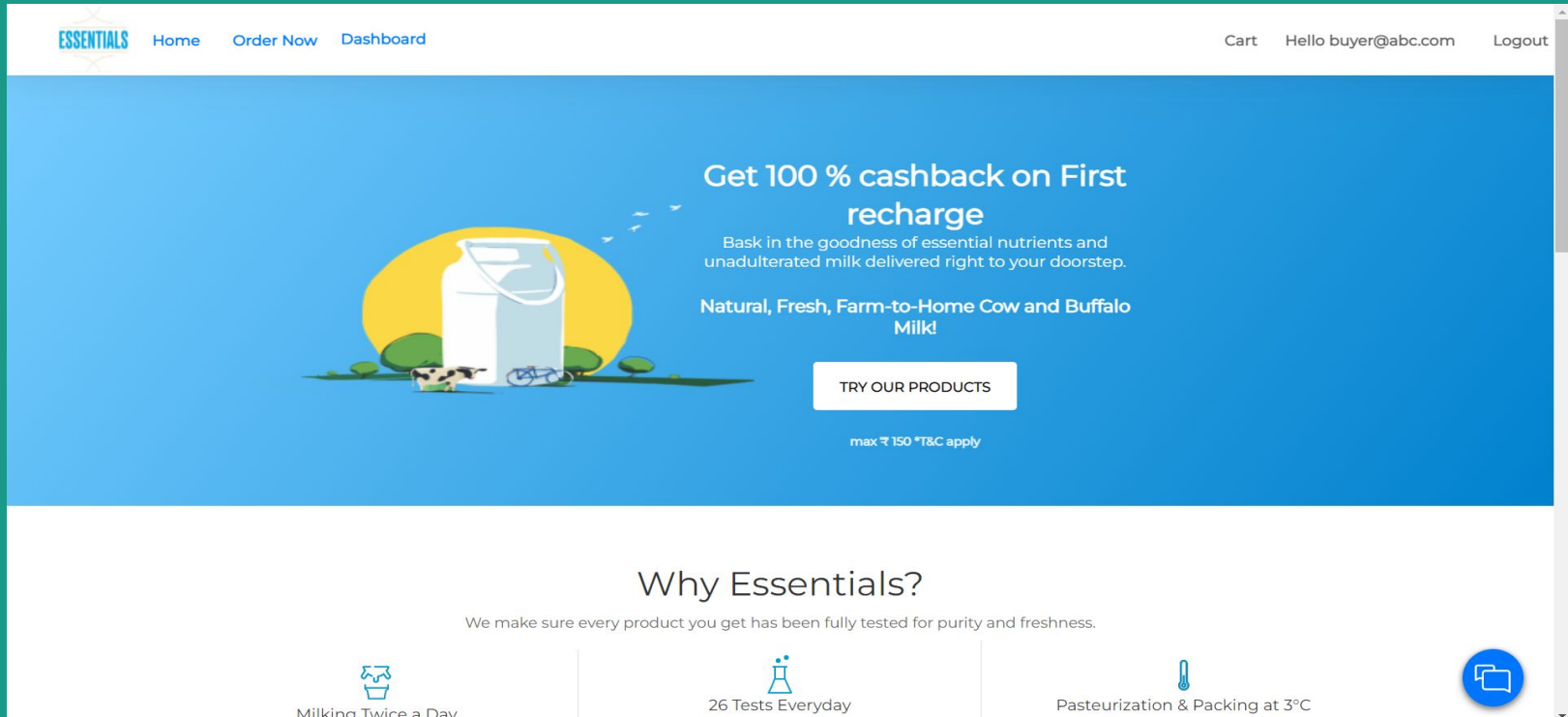
The buyer will be directed to the **Buyer Home Page** after signing in

If the buyer clicks on **Order Now!**, then they are directed to the **Shops page**.
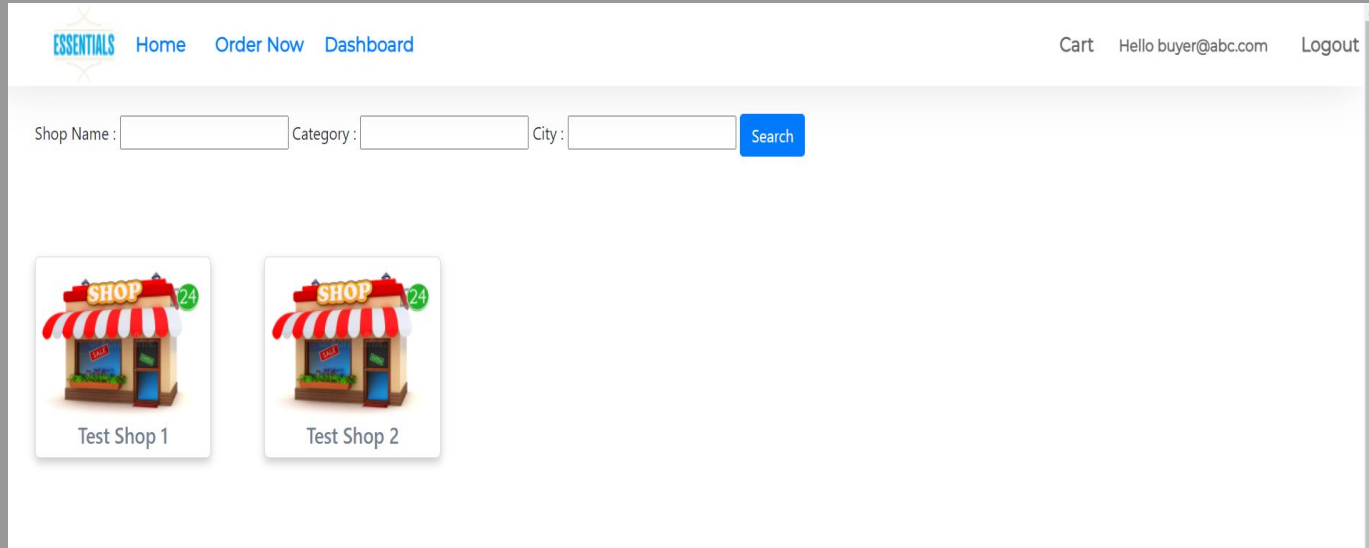
The registered shops are displayed on this page.

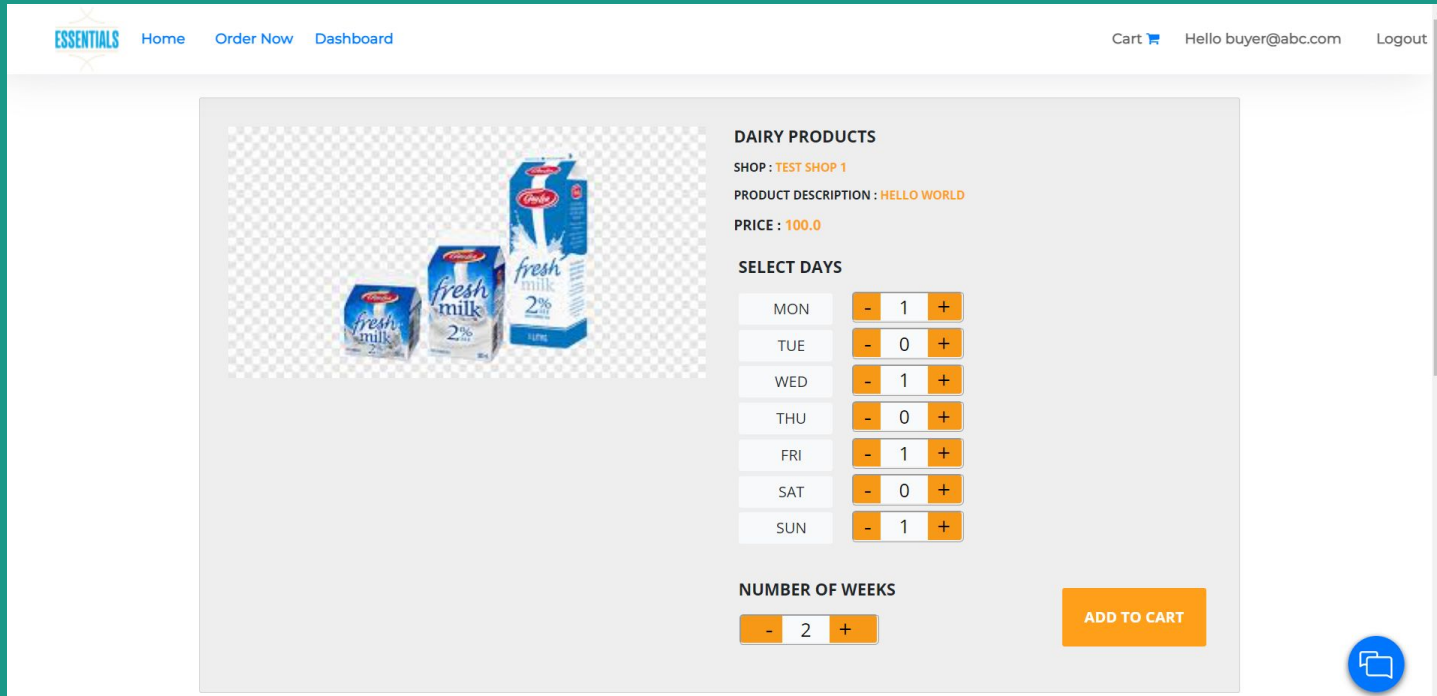The buyer selects a shop and then they land on the **Products page.**

ESSENTIALS   Home   Order Now   Dashboard

Cart   Hello buyer@abc.com   Logout

Dairy Products

Test Product 2

Egg

Test Product 4`

Paneer

Milk

All the products sold by the particular shop is displayed on this page

The buyer can click on a product to view it.
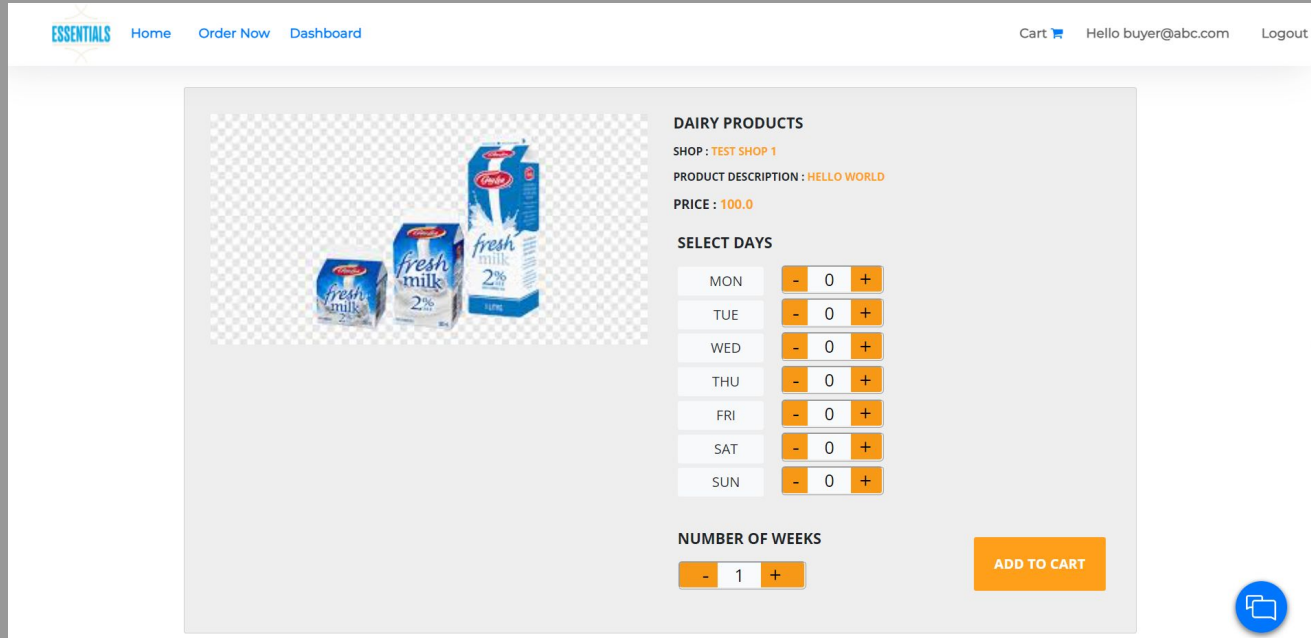
- The product details can be viewed.
- The quantity of a product on a particular day can be added.
- The number of weeks for the subscription of the product can be updated.
- The subscription can be then added to the cart.

The buyer can now add this subscription to their cart

Cart

Product Name	Shop Name	Product Image	Product Description	Days	Product Price	Quantity	Subscription Price	Edit	Delete
Dairy Products	Test Shop 1		Hello World	M | T | W | T | F | S | S 1 0 1 0 1 0 1	100.0	8	800.0	Edit	Delete

Total Amount : 800.0   Checkout

Testimonials

What our customers have to say

I loved the website and products are of good quality. All the features are very good and I loved the subscription management and payment

Cow milk is good for children and elderly people, thats why i give it to both my kids. Essentials gives me the assurance of pure milk and good quality.

I have been a fitness professional for over 15 years. I switched to cow milk as it is a very healthy and rich source of Calcium. Essentials provide the top

After adding the Products to the cart, the user is directed to the Cart page where a summary of their subscription is visible
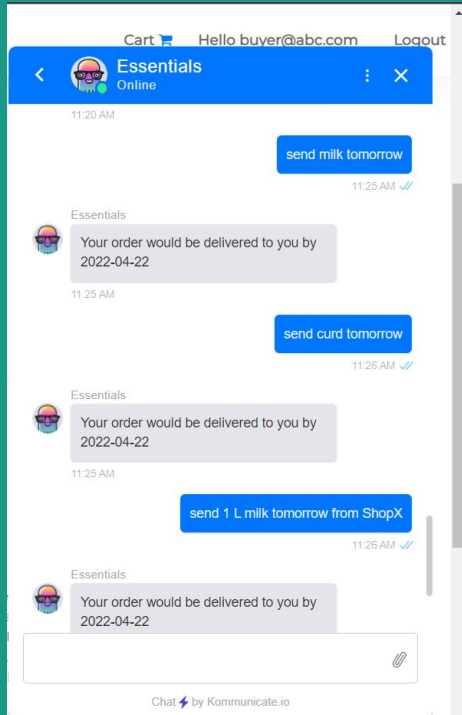
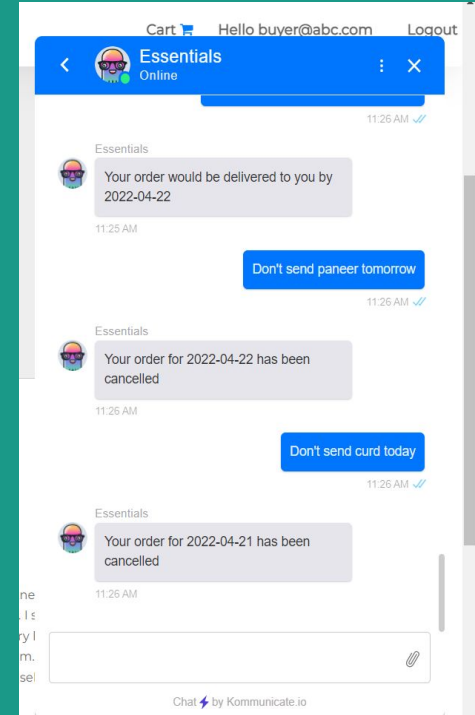The buyer can **checkout** by entering their billing address and paying for their order.
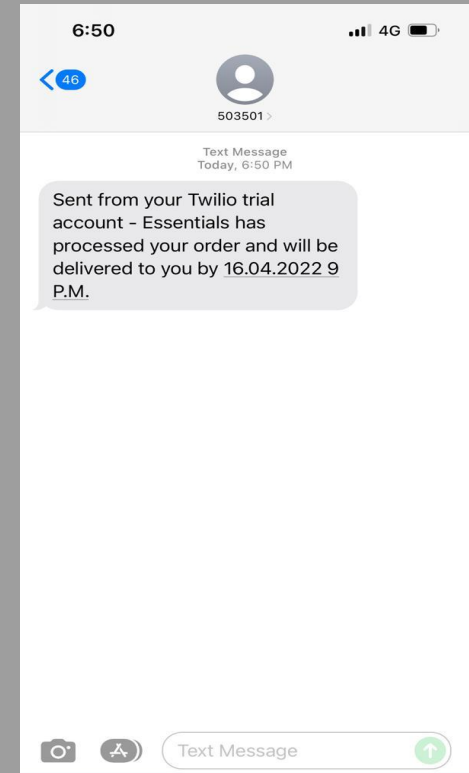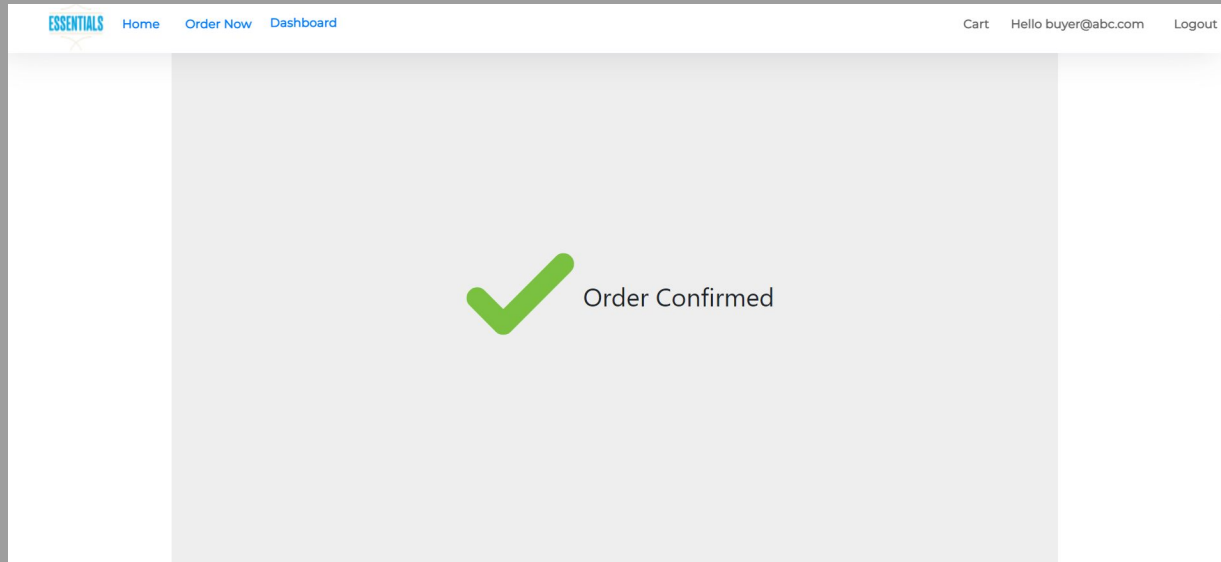
After successful transaction, a confirmation page is displayed and a confirmation message is sent to the user to their registered mobile number.

ESSENTIALS CHATBOT

- The buyer can place their orders via the **Essentials** ChatBot.
- The buyer can cancel their orders too via the **Essentials** ChatBot.
- An acknowledgement is sent to the buyer via the **Essentials** ChatBot.

Signed in as Seller

The seller will be directed to the **Seller Home Page** after signing in

The seller can view the orders and details of the users

The seller can also add order manually into their dashboard

Dashboard for the products sold by the seller
The seller can add the products along with it's details

Dashboard for the subscriptions
The seller can view all the subscriptions of every user

The Seller can also add subscriptions manually

The dashboard will be updated accordingly

Admin

- The admin will verify each seller manually.
- They will manage all the sellers.
- They will have the complete access of the application.

Technologies Used

HTML

CSS

JavaScript

SQLite

python

django

Contributions

Harsh Gaud

- Worked on the documentation of SRS and diagrams
- Integrated backend for CRUD functionality of Carts, Products, & Shops
- Worked on the database design and implementation of the same.
- Built Admin Interface
- Implemented System Testing

Himanshu Kaushik

- Worked on the documentation of SRS and diagrams
- Designed the front-end of the web application using HTML, CSS and Bootstrap.
- Created filters to filter shops according to its location, category and name.
- Configured Frontend with the Backend.
- Django template rendering for data fetching in frontend.
- Worked on the database design and implementation of the same.

Ananya Pathak

- Worked on the documentation of SRS and diagrams
- Designed the front-end of the web application using HTML, CSS and Bootstrap.
- Configured Frontend with the Backend.
- Django template rendering for data fetching in frontend.
- Worked on the database design and implementation of the same.

Manan Gyanchandani

- Worked on the documentation of SRS and diagrams
- Structured the backend
- Worked on the database design and implementation of the same.
- Integrated backend for CRUD functionality of Orders & Users.
- Integrated Chatbot using Google Dialogflow
- Implemented Unit Testing & Manual Testing

Thank You!