Group No: 30

Group Members :
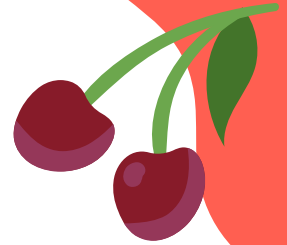
Neeraj Dusa	- S20190010047
Harish Mullagura	- S20190010124
Anirudh Jakhotia	- S20190010007
Rakesh Ganeshula	- S20190010052
Jayanth Sri Ram Kanduri	- S20190010084

Problem Motivation

01

The main motivation of the project is to help the farmers to sell their products at a fair price and to provide customers healthy and fresh vegetables, fruits and dairy products at low prices.

Problem Statement

In these present situations, it is difficult for farmers to sell their products at a fair price in markets. Customers are buying hybrid fruits and vegetables which are not good for health which contains harmful substances. Customers are buying products at high price than market price.
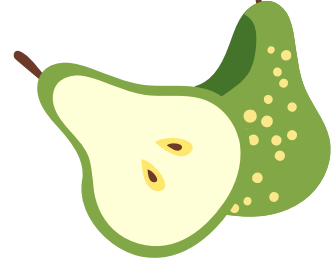
Problem Solution

Farmers can sell fruits, vegetables and dairy products at fair market prices on our website and customers can buy directly organic products from farmers through the website which are fresh and healthy for the body.

Project Overall Idea :

Farmers can contact GreenGrocery website and can sell their vegetables, fruits and dairy products at fair prices. The process includes, firstly, the delivery guy pick their products and the management staff are responsible for updating these products on the website. Users can login into the website and can buy organic fruits, vegetables and dairy products which are very fresh and healthy that came directly from farmers. Users can then select their required products and respective quantity of each product and add them to the cart. After adding to the cart, User can checkout and fill in the shipping details and enter payment details. After successful transaction, user will get order confirmation and tracking link. Users can resolve their queries in the Contact Us section.

Unique features of website & How this website is different from Other Websites?

- ❖ Unique and friendly UI / UX
- ❖ There is no website with similar idea or similar UI / UX
- ❖ Many websites sell the Hybrid products, but we are selling natural organic healthy products.
- ❖ This website directly contact with farmers and take products directly from them with no intermediate. No other website is currently doing it.
- ❖ Free of bugs
- ❖ Give Farmer a gift every month who donates the more quality of vegetables,fruits and dairy products
- ❖ Rapid and safe COVID preventive measures taken care while delivery
- ❖ Management team will personally go and make dealership with farmers for wide range of varieties of products
- ❖ This website will provide funds for farmers by giving some share of profit collected through the website.
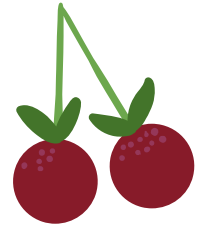
Function Description

Modules : 8

Module 1: UI/UX Design

This is the first and important module in developing our website. An interactive UI/UX makes customer satisfied.

Module 2: Login/SignUp

The existing users of our website can Log In through username and password in this section. Now, If you are a new user around here, you can sign up by providing name, mail-id and username. The user-id and password will be added to database and will be maintained securely through some hash and salt techniques

Module 3: Authentication

We have to use certain API's for connecting to the application and providing an Interface for Authentication Purpose.

Login Form

| Login | Signup |

Email Address

Password

Forgot password?

Login

Not a member? Signup now

Module 4: Database Management

We used MongoDB for maintaining the back-end of our website. By this, we connected to database and perform CRUD operations and maintain user records and farmer products and contact us queries.

Module 5:
Product Categories and Navigation

In this module, color and prices are displayed using a drop down menu and the user can navigate through the category they want and filter/sort the products.

Filter Products :

Select ⌄
Color
Select
White
Orange
Red
Yellow
Green

Sort Products:

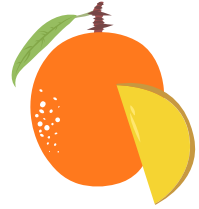| Price (asc) ⌄ |
| --- |
| Newest |
| Price (asc) |
| Price (desc) |

Module 6: User Needs

On Choosing:

➔ **¨Shop Vegetables"** will lead to where there will be vegetable products along with filter. The users can now select the desired vegetables and their quantity and add them to the cart

➔ **"Shop Fruits"** will lead to where there will be Fruit products along with filter. The users now can now select the desired vegetables and their quantity and add them to the cart

➔ **"Shop Dairy Products"** will lead to where there will be Dairy products along with filter. The users can now select the desired vegetables and their quantity and add them to the cart.

Module 7: Product Page

❏ In this page, one can find all particular category products like vegetables or fruits or dairy products along with filters.

❏ For each vegetable ,there are details of the product in this section with product name, description, price and selection of quantity.

❏ The products can be added to the cart proceeding with a checkout form including shipping address and then the payment of the order can be done.

Module 8: Deployment and Hosting

➢ We will test our website for 2-3 weeks before deploying it for finding any bugs in the functionality of website.

➢ We currently have hosted our website on GitHub and will deploy it on cloud based services such as Heroku.

Preliminary Work

Before Starting Project

❖ We drew an outline of our website

❖ We searched for places where people require the organic food most

❖ We will tie-up with delivery companies

❖ We will collaborate with other websites

❖ We will initially collect few products and provide them as a catalog to the users

React Components Used

This is an example of Functional Component used. By writing a javascript function, we can create a functional components in React App.

Functional
Components used :

Announcement
Navbar
Slider
Categories
Products
Newsletter
Footer

```jsx
JS Announcement.jsx ×

Finals > client > src > components > JS Announcement.jsx > ...
 1    import styled from "styled-components";
 2
 3    const Container = styled.div`
 4      height: 30px;
 5      background-color: teal;
 6      color: white;
 7      display: flex;
 8      align-items: center;
 9      justify-content: center;
10      font-size: 14px;
11      font-weight: 500;
12    `;
13
14    const Announcement = () => {
15      return <Container>Today's Discount - Apple at ₹150</Container>;
16    };
17
18    export default Announcement;
19
```

- React Higher-Order Components are popular advanced React pattern to deploy reusable logic and functionality across React components.

- Here, in the slider component we used the function takes an array, usually from state which was retrieved from backend with ***fetch*** or from props passed down from parent component, and ***maps*** each element in the array, transforming each element in the array into a React component.



```
JS Slider.jsx  ✕

 Finals > client > src > components > JS Slider.jsx > [∅] Arrow
103        return (
104          <Container>
105            <Arrow direction="left" onClick={() => handleClick("left")}>
106              <ArrowLeftOutlined />
107            </Arrow>
108            <Wrapper slideIndex={slideIndex}>
109              {sliderItems.map((item) => (
110                <Slide bg={item.bg} key={item.id}>
111                  <ImgContainer>
112                    <Image src={item.img} />
113                  </ImgContainer>
114                  <InfoContainer>
115                    <Title>{item.title}</Title>
116                    <Desc>{item.desc}</Desc>
117                    <Button><Link to={item.linkil} style={{ textDecoration: 'none', color: 'black' }}>SHOP NOW</Link></Button>
118                  </InfoContainer>
119                </Slide>
120              ))}
121            </Wrapper>
122            <Arrow direction="right" onClick={() => handleClick("right")}>
123              <ArrowRightOutlined />
124            </Arrow>
125          </Container>
126        );
127      };
128
129      export default Slider;
130
```
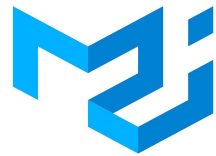
React-UI Elements used:

React Material -UI

- ❏ React Material-UI is a set of React components that implements Google's Material Design.

- ❏ Material-UI is a library that allows us to import and use different components to create a user interface in our React application

- ❏ Material UI comprises lots of configurable and accessible UI widgets and saves a lot of time.
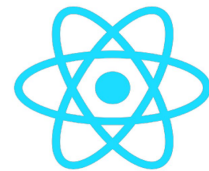
We used Material-ui icons in many components. For example, In Navbar component we used for Search, Badges at the top right corner in Navbar.

Imports :

```
JS Navbar.jsx ✕

Finals > client > src > components > JS Navbar.jsx > ...
1    import { Badge } from "@material-ui/core";
2    import { Search, ShoppingCartOutlined } from "@material-ui/icons";
```

In code customization :

```
<Link to="/cart">
  <MenuItem>
    <Badge badgeContent={quantity} color="primary">
      <ShoppingCartOutlined />
    </Badge>
  </MenuItem>
</Link>
```

Rendered on Website :

REGISTER   SIGN IN   🛒

Task Assigned

Rakesh Ganeshula - Contact us, Contact (Backend), Wireframes

Harish Mullagura - Each product details, Cart, Products (Backend)

Neeraj Dusa - Login, Sign-Up, Payments, Success

Jayanth Sri Ram Kanduri - Each Product Categories, Navbar, Wireframes

Anirudh Jakhotia - Slider, Footer, Users (Backend)

NOTE: **Home page was done by everyone equally together**

localhost:3000

G G Green Grocery

Search
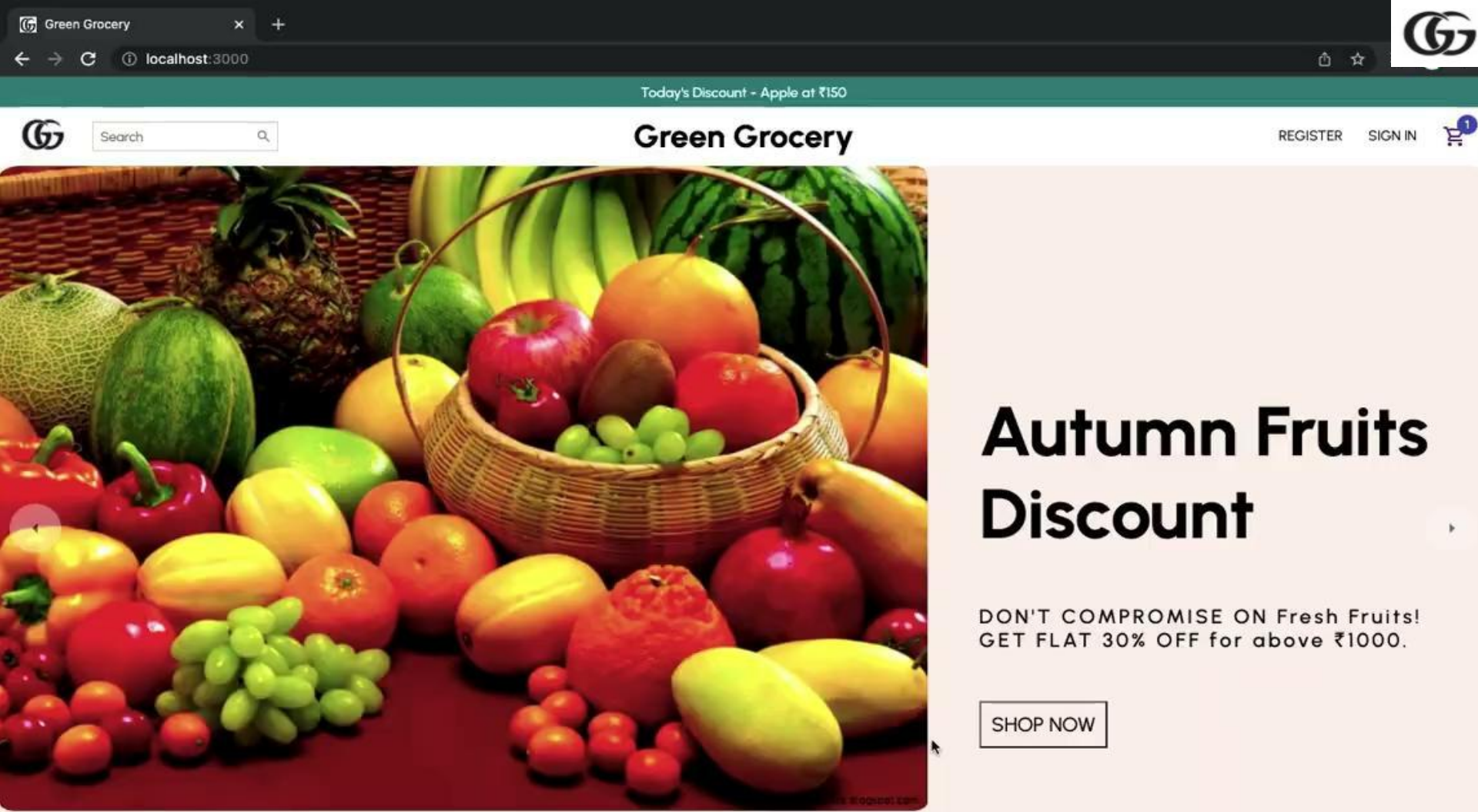
REGISTER   SIGN IN

Autumn Fruits Discount

DON'T COMPROMISE ON Fresh Fruits!
GET FLAT 30% OFF for above ₹1000.

SHOP NOW

Views - Involves calls to backend to fetch data and display it to the user

Vegetables View Page
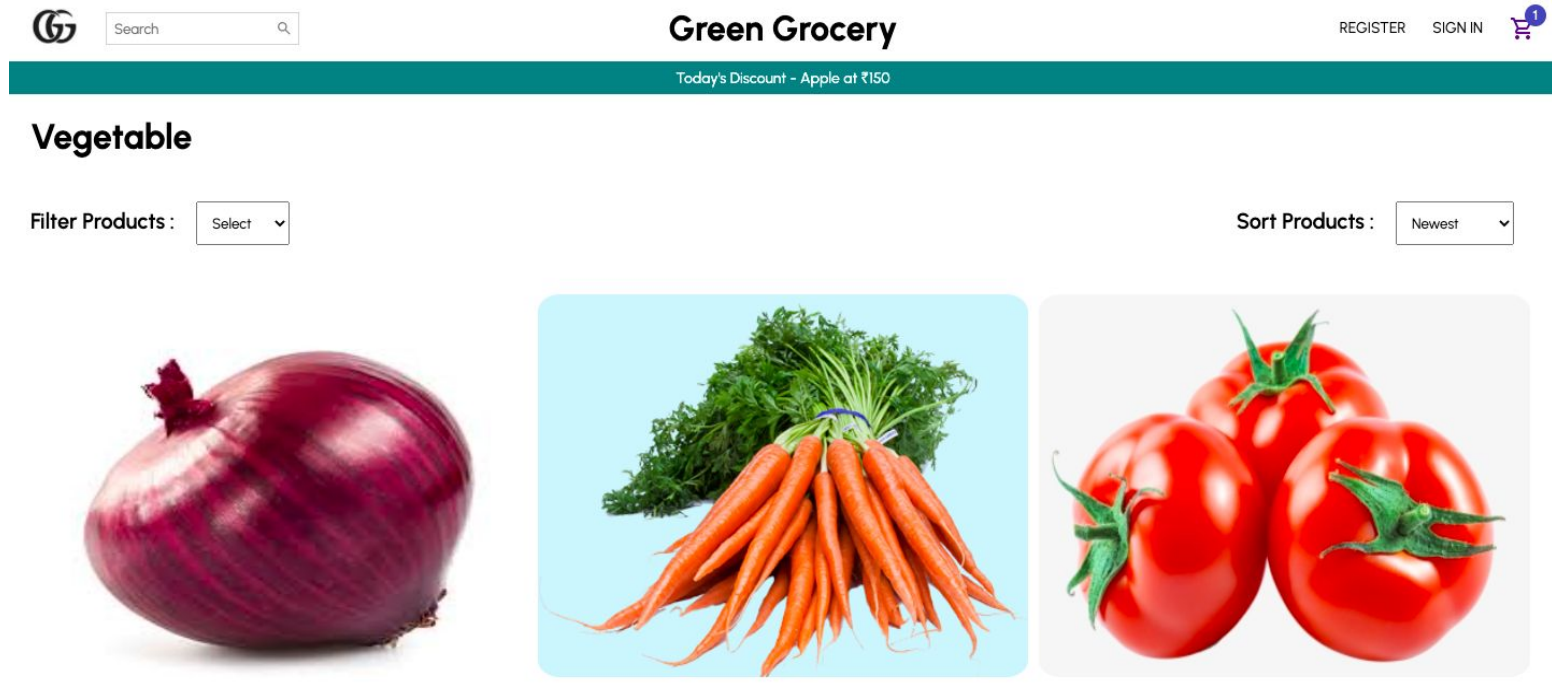
Fruits View Page

Dairy Product View Page

REGISTER   SIGN IN

Search

Today's Discount - Apple at ₹150

Dairy

Filter Products :   Select

Sort Products :   Newest

Form - Involves presenting a form to collect user-input, validate, process and post to the backend server

Contact Form Page

Log In

SIGN IN

Username

Password

LOGIN

DO NOT YOU REMEMBER THE PASSWORD?

CREATE A NEW ACCOUNT

Sign Up

Green Grocery

Connect with Farmers and the world around you on Green Grocery.

Username

Email

Password

Password Again

Sign Up

Log into Account

Future Plans

These are our upcoming plans for our website

- ❏ Cart Page
- ❏ Adding seller field as a third user.
- ❏ About us Page
- ❏ Admin Page
- ❏ Privacy and Policy Page
- ❏ Order Tracking
- ❏ Account Details

Wireframes

This is the early step of the future UI/UX design process when the structure of the project is being formed.

It is a two-dimensional illustration of a page's interface that specifically focuses on space allocation and prioritization of content. Wireframes are kept in code folder

We have designed the wireframes of About and Admin Page.
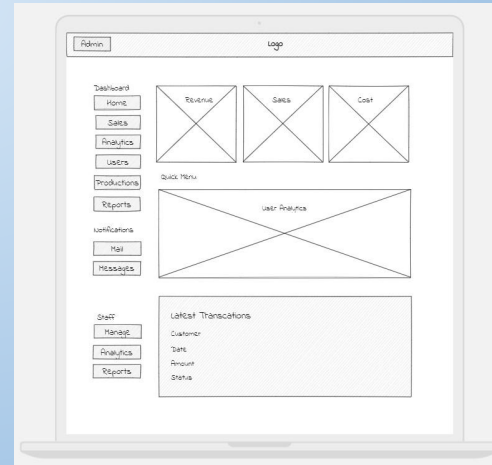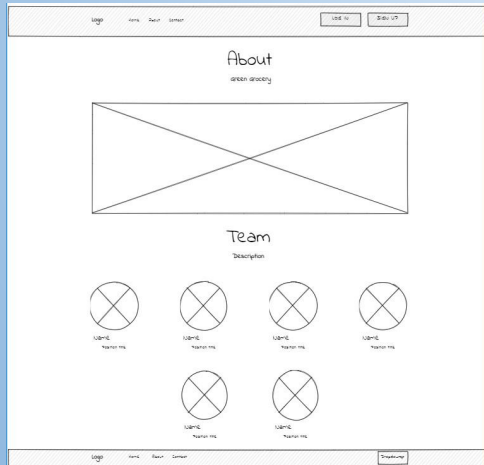
Thanks!

DO YOU HAVE ANY QUESTIONS?

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