SOFTWARE ENGINEERING
CS-322
PROJECT REPORT
(Food Management Website)

GROUP MEMBERS-

1.   Ajay Thakur – 20bcs038

2.   Davish Mehta- 20bcs52

3.   Sahil Lagwal – 20bcs056

4.   Shubham Thakur - 20bcs057

Overview:

We promote the idea of "Surplus to Service: Linking Excess Food to Those in Need" on our waste food management website. Our main goal is to manage surplus food and contributions in an effective and long-lasting manner. The website will make it possible for people and businesses to donate their extra food to groups that can give it to people in need.The website will also offer tracking, reporting, and analytics capabilities for managing food waste.

Objective:

Users will be able to manage their extra food and donations on the Food Management website, which will be a web-based application. The website will be made up of several microservices that are set up in a cloud environment. A microservices architecture will be used in the website's design, offering scalability, dependability, and simple maintenance. User data will be protected because the website will be built with security in mind.

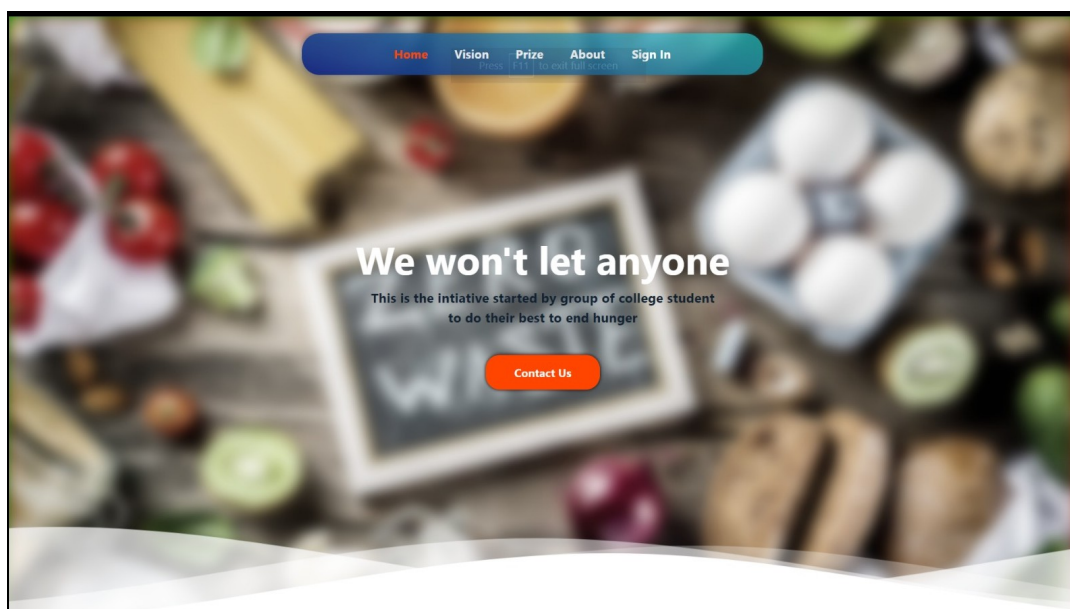The main features of the Food Management Website are as follows:

1. **Donor Registration**: The mechanism that enables website users to register as food donors, providing contact information, location, and other pertinent information.

2. **Food Donation**: An area where donors can provide information on the food they desire to donate, including the kind and quantity of the food, its expiration date, and other pertinent details.

3. **Food Collection**: A place where food banks, charities, and other nonprofits can look through and order the extra food that is available for collection.

4. **Inventory Management**: A function to assist food banks and charities in managing their supply of food and in keeping track of the quantity and kind of food they receive.

5. **Feedback and Ratings**: A system of feedback and ratings that enables donors to score food banks and charities according to the standard of the food they get and allows donors to rate the organisations according to their level of cooperation and response.

6. **Reporting and Analytics**: A system that offers comprehensive reporting and analytics on how the website is used, including information on how many donations are made, how much food is given, and other pertinent information.

7. **LeaderBoard** : This section will denote the ranks of the organization that are making the donations.
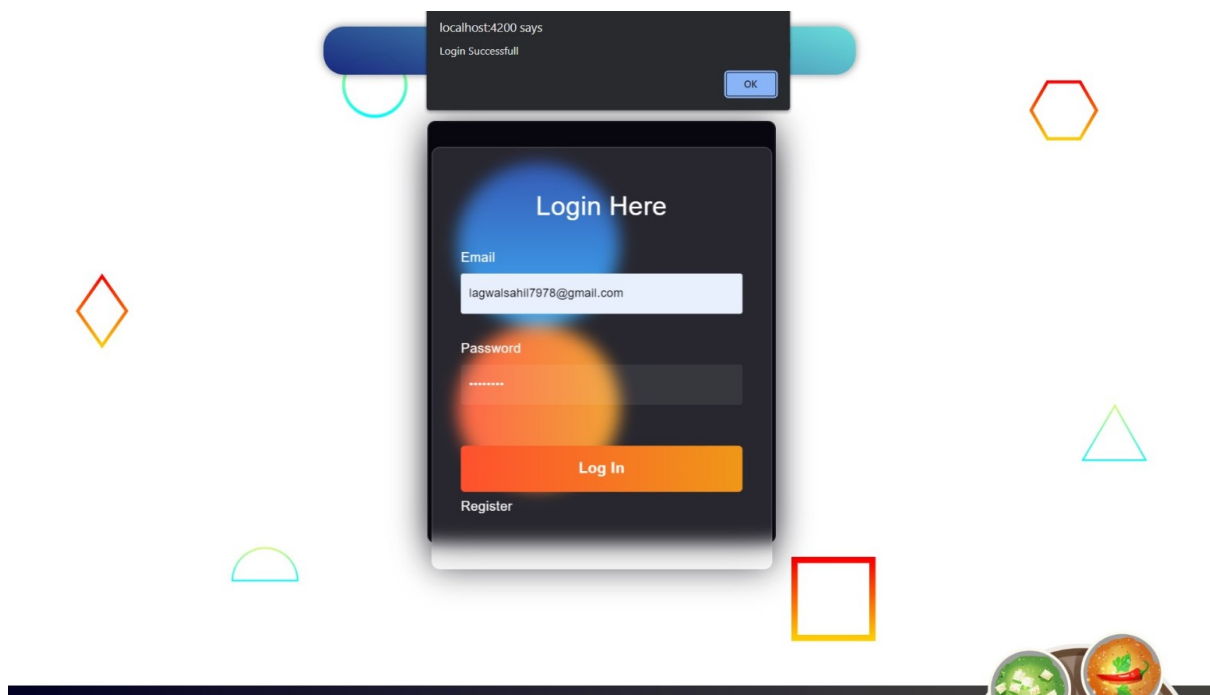
Implementation:

The TrackAcademia application is implemented using Dart programming language and the Flutter framework. The application uses various libraries and packages to implement different functionalities such as data storage.
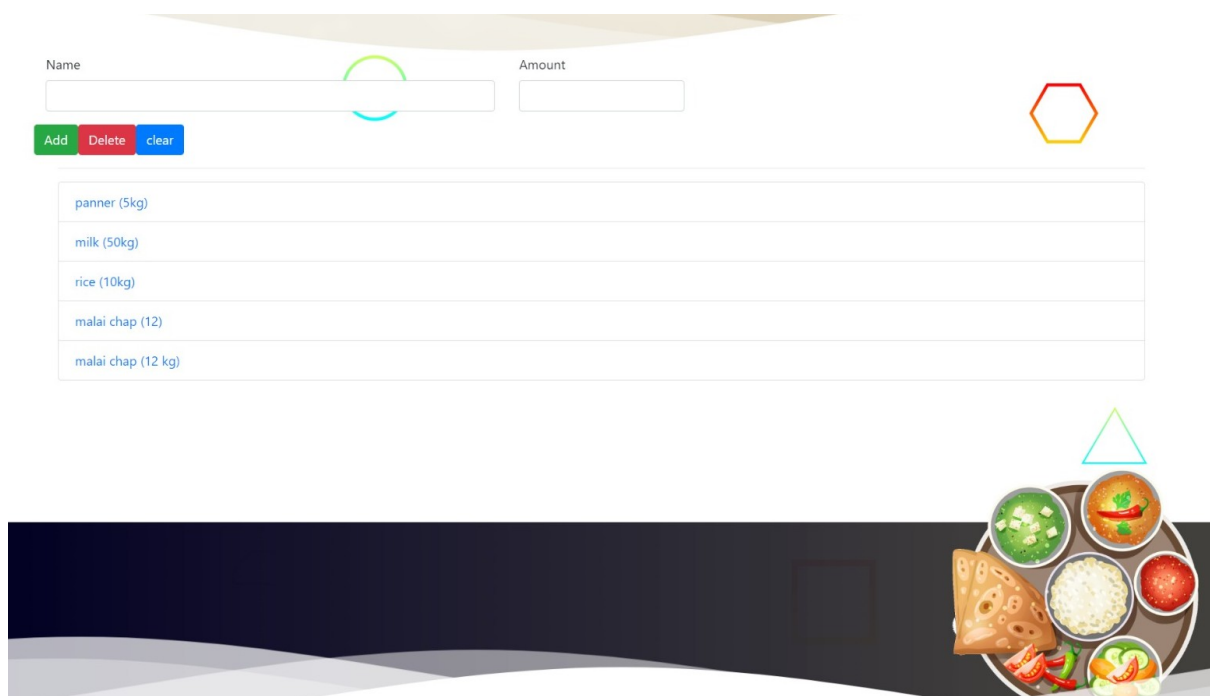
Screenshots:

Home Screen-

Login Screen-

localhost:4200 says
Login Successfull

OK

Login Here

Email

lagwalsahil7978@gmail.com

Password

••••••••

Log In

Register

Order screen-

Name

Amount

Add Delete clear

panner (5kg)

milk (50kg)

rice (10kg)

malai chap (12)

malai chap (12 kg)

Conclusion:

In conclusion, corporations can share their excess food with those in need on the food management website, which is a great platform. This website can aid in promoting sustainability and lowering organisations' carbon footprints by decreasing food waste. Also, it can help those who have trouble getting access to food, advancing social welfare. The food management website is, all things considered, a useful and creative solution that may assist businesses and communities in achieving their sustainability and social responsibility objectives.