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Android app Development (Food for All)

Problem statement

As we all know that food is the most important enemy for human survival. But still most of the people around the world are dying because of hunger. According to the UN recent surveys, around 25,000 people are dying because of hunger where 10,000 among them are children. This looks very painful.

So, we can use the technology and get the people connected to whoever wants to donate food and receive food. Most of the people waste a lot of food during functions. Even if they want to donate the remaining food to the needy people, they can't find the needy. So, we tried connecting these kinds of two people.

This issue can be converted into a Computing problem by building a communication network between donors and needy people. By building an Android application, we can try to connect people together and solve this big issue.

Requirements:

Donors have to upload the information regarding the Location of food delivery, their mobile number and email address. So that the needy organizations can see the list of all the donors available and they can contact the donors via a telephonic conversation. There they can resolve any issues in between.

The entire information has to be stored in cloud databases for global consistency and faster access. So, we used the Firebase database for storing the users' details and their donations information.

Originality:

Till now, we didn't find any similar applications which are trying to do this kind of operation. So, we thought of implementing this application. But there are some charities which are doing these activities offline. They are feeding the poor people by preparing food on their own.

But here, the main goal of our application is to reduce the food wastage in functions, parties etc.. and as well as feeding that food to the needy. Even if any donors are willing to donate, they are welcome at any time.

Technology Design

Tools used:

- Android Studio for App design
- Firebase for Cloud Storage

Flow of the application:

First the user will try to Register himself/herself in the app. Next they will get a confirmation mail for the verification of the details. This is to avoid fake accounts.

After verifying the email, the user will login to the application. In the home Screen. There he will be able to see two options. First one is **Donate Food** and the second one is **Request Food**. ***The user can be both Donor and Acceptor. But not for the same event.***

Donate Food:

We will take the details like **Name, Email, Phone number, Date, City**. Multiple users can update their donations independently. All these details will be stored in the Firebase under their unique ID.

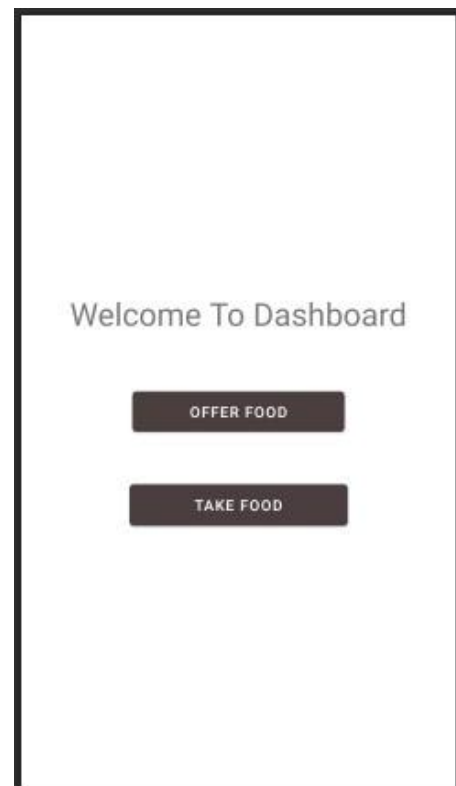
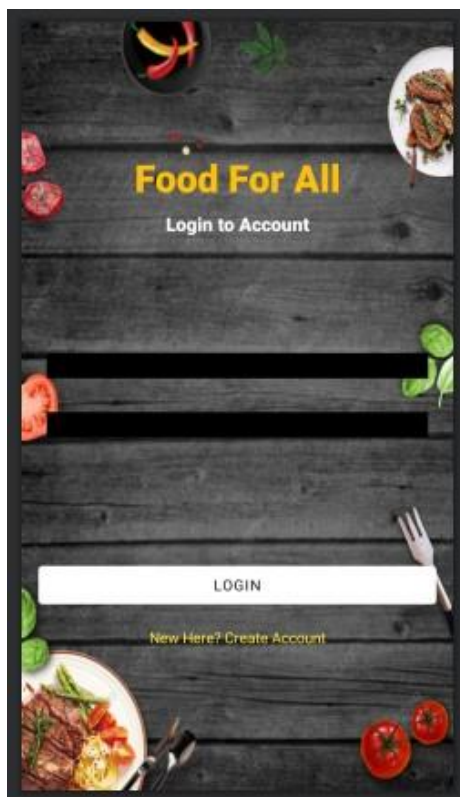
Take Food:

Whenever a user clicks on the **Take Food** button, we will fetch all the donors details from the firebase and display. We will fetch everything we stored. The receiver will be able to see all the Donation details. Then he will select any one of the donations and both the receiver and the corresponding donor will talk via the phone conversation.

After the talk, if both people agree, the donor will click the DONE button. Then the particular entry will be deleted from the database.

The same procedure will be repeated for every donation.

Implementation Screenshots



Please Fill your details

Name

Phone

Email

DD-MM-YYYY

City

SUBMIT

Data will be Displayed here....