

Project Title: FeedIN : An initiative to diminish hunger in the India

TEAM NO.:206

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Project Details: Our application “FeedIN” serves as the Food donation Platform. It acts as a mediator to provide a platform that will connect donors and NGOs for common interests i.e Food Donation.

Problem Statement: various reports suggest that we the Indians waste food equivalent to as much as total Britain consumes per day. and hence Food Wastage is a severe issue in our Indian society. Weddings, canteens, hotels, family and social functions, and households are the sources of food waste. So in order to avoid such food wastage we have developed the “FeedIN” application.

Need of Project:

Food pollution could be a troubling phenomenon in densely developed nations like India. an excessive amount of food gets tossed out from weddings, canteens, pubs, social and family get-togethers, and events. The scheme will bring them into practice rather than losing these things by donating them to different organizations like orphanages, adulthood homes, etc.

Some individuals and institutions want to contribute food to organizations in need. Many organizations often tend to inquire about different items they have, like clothing, food grains, books, utensils, etc., but there's no source available that may meet their needs. A mobile-based application has therefore been created within which individuals can donate food products in step with their capacity, and also the application often makes organizations apply their requests., i.e. items required by them if any. The food donation application is an interface for consumers trying to find a channel to donate without wasting the excess food. It motivates us to donate the excess food by notifying local users of the available food information. The requested users demand the notice. betting on the priority, the machine allocates food products.

The proposed application eliminates scraps and thus satisfies other criteria, like food goods from vulnerable organizations. The proposed scheme is currently focused on eliminating the many wastes that normally exist in India, which is food. The framework is required to upgrade and optimize the identical system, which can further increase the application's reliability and usefulness

Proposed Solution:

The proposed application is android-based, generated using java and xml on Android Studio, involves site association and will provide a stage for contributors and searchers after they register effectively in our android application. He/she should express something unique in the document on the unlikely chance that a client wants



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to offer something, and also the donor gets flems after every donation so the donor also feels good and stays connected with the application.

Technology Used:

Front -end : XML

Back-end: JAVA

Database: FIREBASE

API: DISTANCE.TO

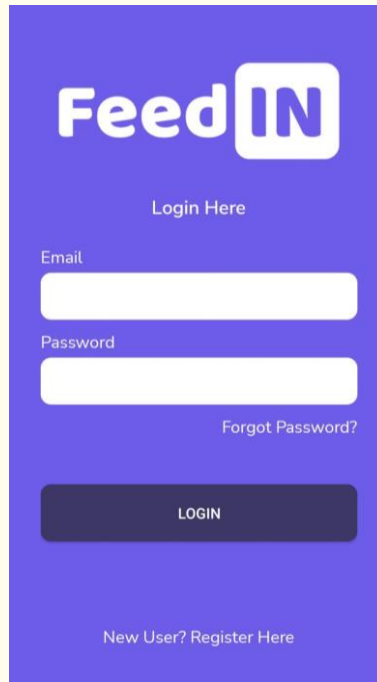
Project Outcomes:

We are bringing down food waste by using the implementation in the proposed system. The role of relocating food is a massively fruitful social development that deals with food waste and the need for food. At that point, the controller collects donations from the donor via their close by professional to the nearby needy or poor people. After obtaining the food from the specialist by the administrator and sending the donor a ready letter, we will minimize the problem of food waste.

Modeling: Our project application is implemented in Android Studio. For our project, we have used the android studio for developing and coding. We have used the FireBase database for storing and retrieving data. The Firebase Realtime Database is a cloud-hosted NoSQL database that allows you to store and sync data between your users in real-time. Cloud Firestore enables you to store, sync, and query app data at a world scale.

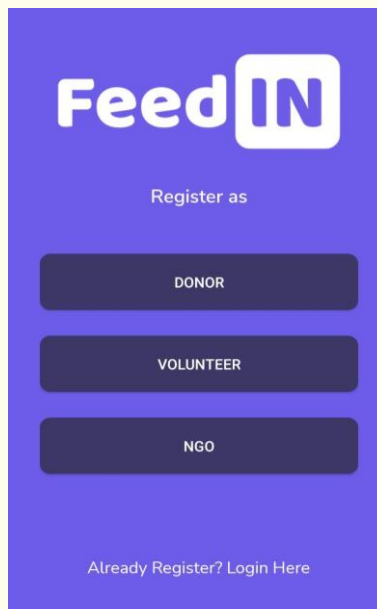
Results: Snapshots of our applications are as follows:

1. Login Page



On the above page we can login ourselves as Donor, volunteer or NGO whatever we registered on the time of creating account and if we are totally new to the platform then we also have registration option on the page.

2. Register Page



If a new user is firstly using our platform so after clicking on Register Here the user will see the above page here user can select their role.

3. Donor Registration

The screenshot shows a mobile app interface for 'FeedIN' with a blue background. At the top left is a back arrow, and at the top center is the 'FeedIN' logo. Below the logo, the text 'Register as Donor' is displayed. The form contains six input fields: 'Name', 'Email', 'Mobile', 'Password', 'Confirm Password', and 'Address'. Each field has a white underline. At the bottom of the form is a dark blue button with the word 'REGISTER' in white capital letters.

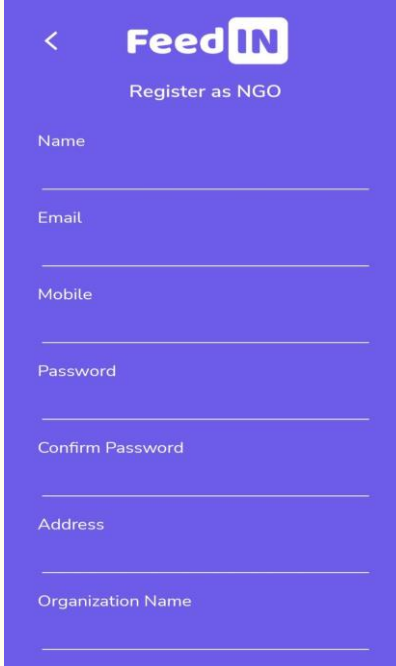
After clicking on the Donor role user will see the above page where users have to provide some details that are required for creating an account like name, email, mobile number, etc and also have to set the password.

4. Volunteer Registration

After clicking on the Volunteer role, the user will see the above page where users have to provide some details that are required for creating an account, the same as in the previous case .

The screenshot shows a mobile app interface for 'FeedIN' with a blue background. At the top left is a back arrow, and at the top center is the 'FeedIN' logo. Below the logo, the text 'Register as Volunteer' is displayed. The form contains six input fields: 'Name', 'Email', 'Mobile', 'Password', 'Confirm Password', and 'Address'. Each field has a white underline. At the bottom of the form is a dark blue button with the word 'REGISTER' in white capital letters.

5. NGO registration



< **FeedIN**

Register as NGO

Name

Email

Mobile

Password

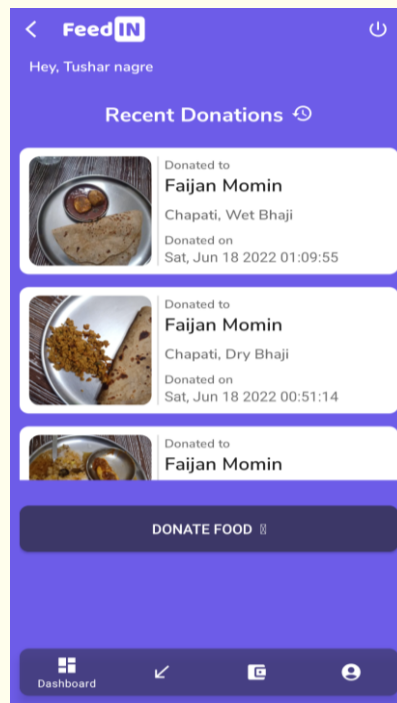
Confirm Password

Address

Organization Name

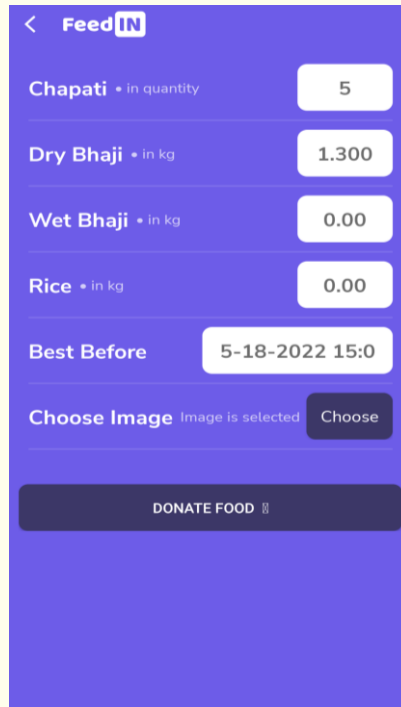
After clicking on the NGO role user will see the above page where users have to provide some details that are required for creating an account similar to a donor but here we require the extra document that is an NGO certificate for confirming the NGO is certified or not.

6. Donor Dashboard



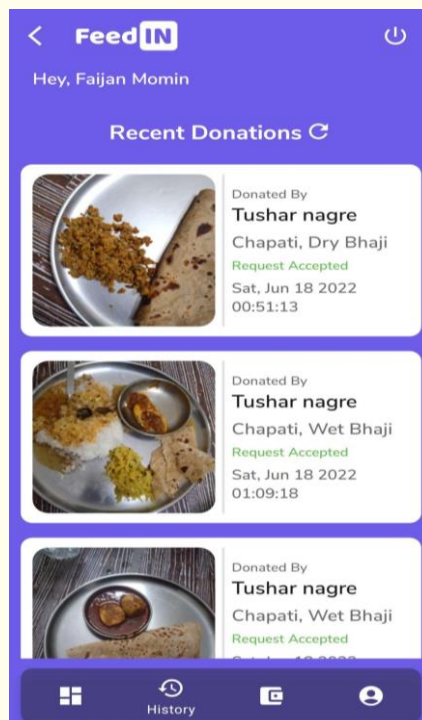
Above screen shows the Donors dashboard on which users can see their recent donation and buttons for Logout, Wallet, Donate food, Donation requests and Go to profile.

7. Donation Page



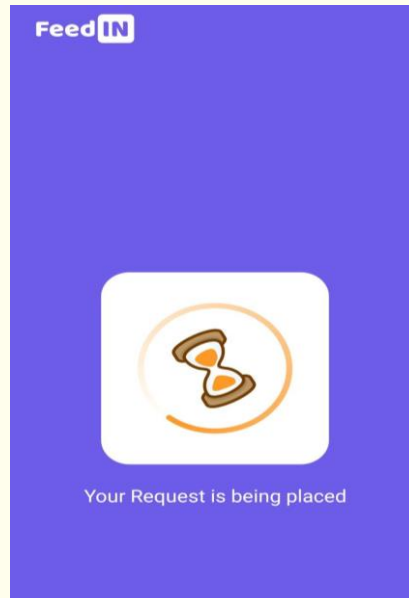
After clicking on the Donate food button the user will see the above page, here users have to upload their food details that the donor wants to donate.

8. Volunteer Dashboard



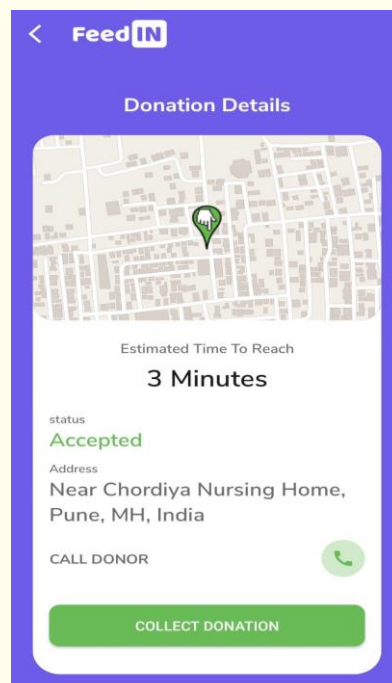
Above screen shows the Volunteers dashboard on which users can see their recent donation and buttons for Logout, Wallet, History, and Go to profile.

9. Loading screen



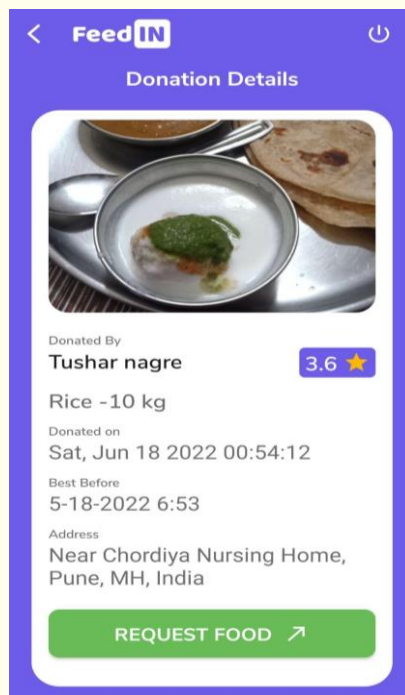
Above screen shows the Loader till the food request is accepted by the donor.

10. Accept Donation Page



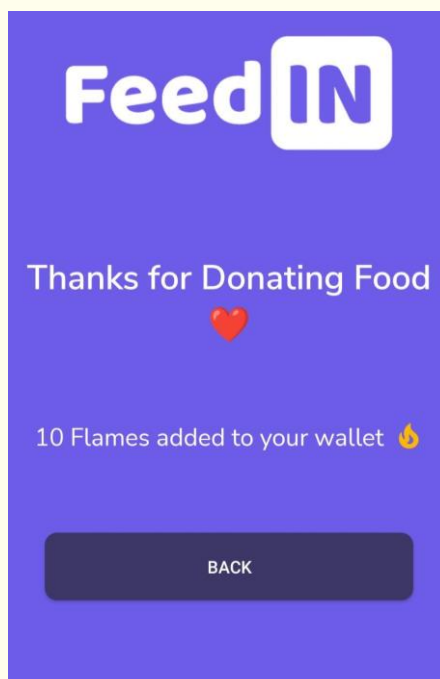
Above screen shows the details and location of the donor also it shows the estimated amount of time to reach the donor.

11. Donations details



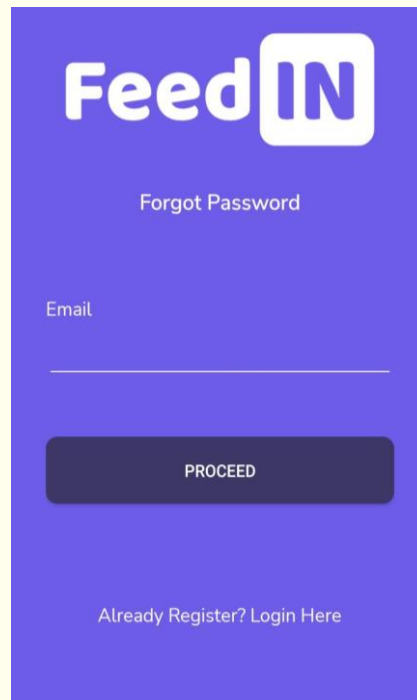
Above screen shows when the user clicks on donations on the dashboard here the user can see the details of the person who is donating and its donation and it also shows the request food button to request the food from the donor.

12. Thanks Screen



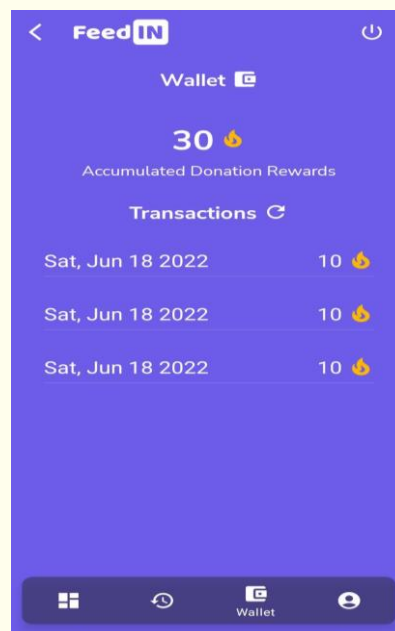
Above screen comes after successful donation to and it also shows the 10 flames are credited to your wallet because of successful donation.

11. Forget password



Above screen covers the forgotten password situation. When you click on forget password you will see above screen here you have to give email that is connected with your account.

13. Wallet



Above screen shows the wallet and flames transactions, When your donation is successful and when flames are credited to your account.

Future scope for project enhancement:

1. FeedIn is currently a food donation application, In this direct donor is donating their food whatever is remaining or whatever he wants to donate, But in the case in future, the awareness of technology is spread and when directly needy can take a donation from the donor through our application then we can add extra features to the application like cloth donation. We can also think of direct money donations for NGOs or orphanages that need money for feeding needy people.
2. In this application, we can collect information about the donor, NGOs, and volunteers, and after applying the data science methods we can extract meaningful information and some insights into how many active donors we have and how many people we can feed in a single day or month and after doing this we can approach donors and volunteers for building on a strong community of donors and solve the problem of starvation on a larger level. If everything goes in a good direction we can also get funding or support from the government of India and make this application one of the best donation platforms for donation.