

Imdad - Bridging Hunger with Humanity

Final Project Seminar

Presented by

Sarah Khan (A-19)

Ashiya Khan (A-22)

Mohammed Tabish Romani (A-42)

Yusra Maheen (A-21)

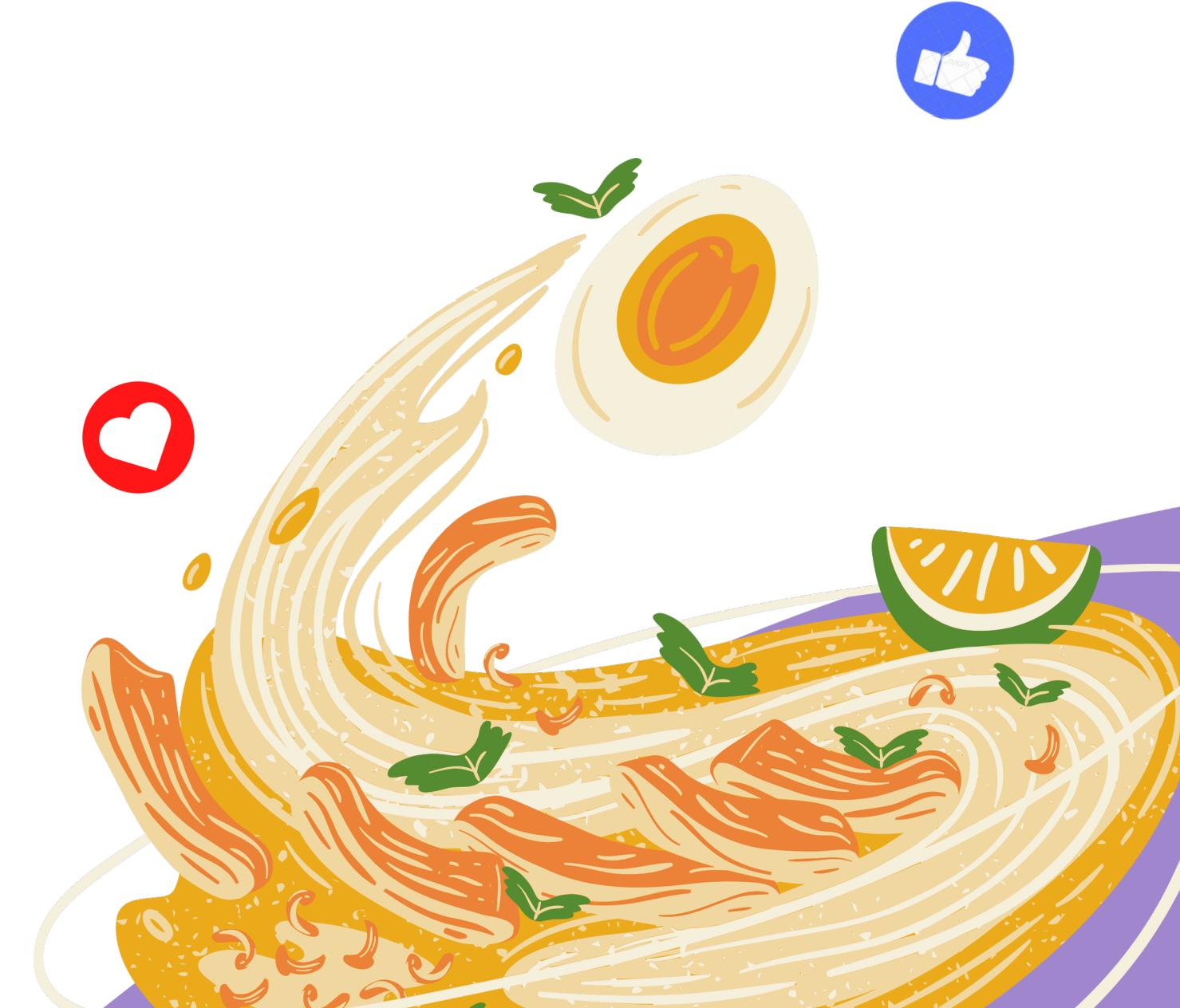
Reeba Diwan (A-35)

Mohammad Asif Khan (A-45)

Under the guidance of

Prof. Nazish Khan
Head of the Department,
ACET

Prof. Saima Ansari
Assistant Professor
ACET



INTRODUCTION

- In a world battling food insecurity and unequal resource distribution, **Imdad** emerges as a radiant ray of hope.
- A staggering 40% of food produced daily in India goes to waste[1].
- **Imdad** is a digital platform connecting those with surplus food to the orphanage.
- It aims to reduce food waste and alleviate hunger in India. Inspired by the needs of Aashray Balagruha, **Imdad** bridges the gap between those with excess food and those facing food insecurity.
- By harnessing technology, **Imdad** empowers individuals to contribute to a more sustainable and compassionate society.



LITERATURE REVIEW

Sr. No	Existing Application/ Research paper	Name of Method / Algorithm	Advantages	Disadvantages
1	Donate and Save (Website) [2]	Web-based app with modules for donor registration, NGO interaction, and admin management. Uses JavaScript.	Efficient food distribution: Connects donors with NGOs to distribute leftover food. Transparency: Enables both donors and NGOs to track donations. Ease of use: Simplifies the donation process for users.	Limited adoption: Success depends on widespread use by donors and NGOs. Technical barriers: Users with limited digital access or skills may face challenges.
2	Mobile application: donate a day [3]	Rapid Application Development (RAD) focuses on quick development, iterative prototyping, and user feedback.	RAD offers rapid prototyping, user-centric development, and flexible implementation.	RAD requires significant user and developer involvement, can lead to scope creep, and may not work well for complex projects.
3	Akshaya Patra Foundation[4]	Focuses on government-run school meal programs and collaborations to deliver nutritious meals to underprivileged children.	Fights childhood hunger by providing nutritious meals to millions of school children in India.	Its reach might be limited to government schools, potentially excluding vulnerable children outside the program

LITERATURE REVIEW CONTINUED

Sr. No	Existing Application/ Research paper	Name of Method / Algorithm	Advantages	Disadvantages
4	National Food Security Mission[5]	A centrally sponsored scheme was launched by the Indian government in 2007 to address food security concerns in the country.	Increased food production, higher farm income, improved soil health	Potential neglect of dietary diversity, water stress, subsidy dependence, implementation challenges.
5	SeVa: A Food Donation App for Smart Living[6]	The SeVa app uses HCI principles for its design and implementation on Android, employing Android Studio and SQLite.	It includes a user-centric design, ease of use, and cost-effective development using freeware tools.	The complexity of iterative design processes and the limitations of basic CSP concepts, potentially affect efficiency and scalability.
6	Feeding India[7]	Feeding India prioritizes partnerships but uses online tools for communication, logistics, and measuring impact.	Tackling hunger through food support, and non-profit partnerships.	Dependency on Partnerships

MODULES OF THE APPLICATION

- **Imdad – application development**

This will further consist of the following modules:

- User Authentication and Authorization
- Donor Module
- Orphanage Module
- Food Listing and Details
- Pickup and Delivery Management
- Notification System
- Rating and Review
- Reports and Analytics

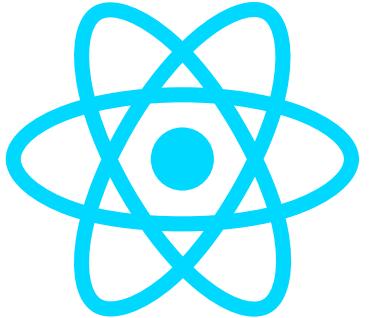
- **Deployment** of “Imdad” application.
- **Conducting campaigns** for penetration and implementation of application in areas in vicinity to the respective orphanage.
- **Connecting with philanthropists** for better usage of application.



METHODOLOGY

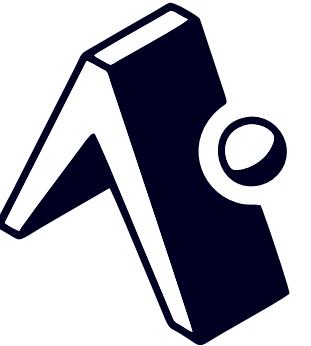
1. React Native

- Build mobile apps for iOS and Android using JavaScript and React with a single codebase. Offers native performance and hot reloading.



2. Expo Go

- A tool for React Native that allows instant app previews on devices. Provides pre-built components and easy deployment.



3. Tailwind CSS

- A utility-first CSS framework that speeds up UI design using predefined classes. Supports rapid prototyping and responsive design.



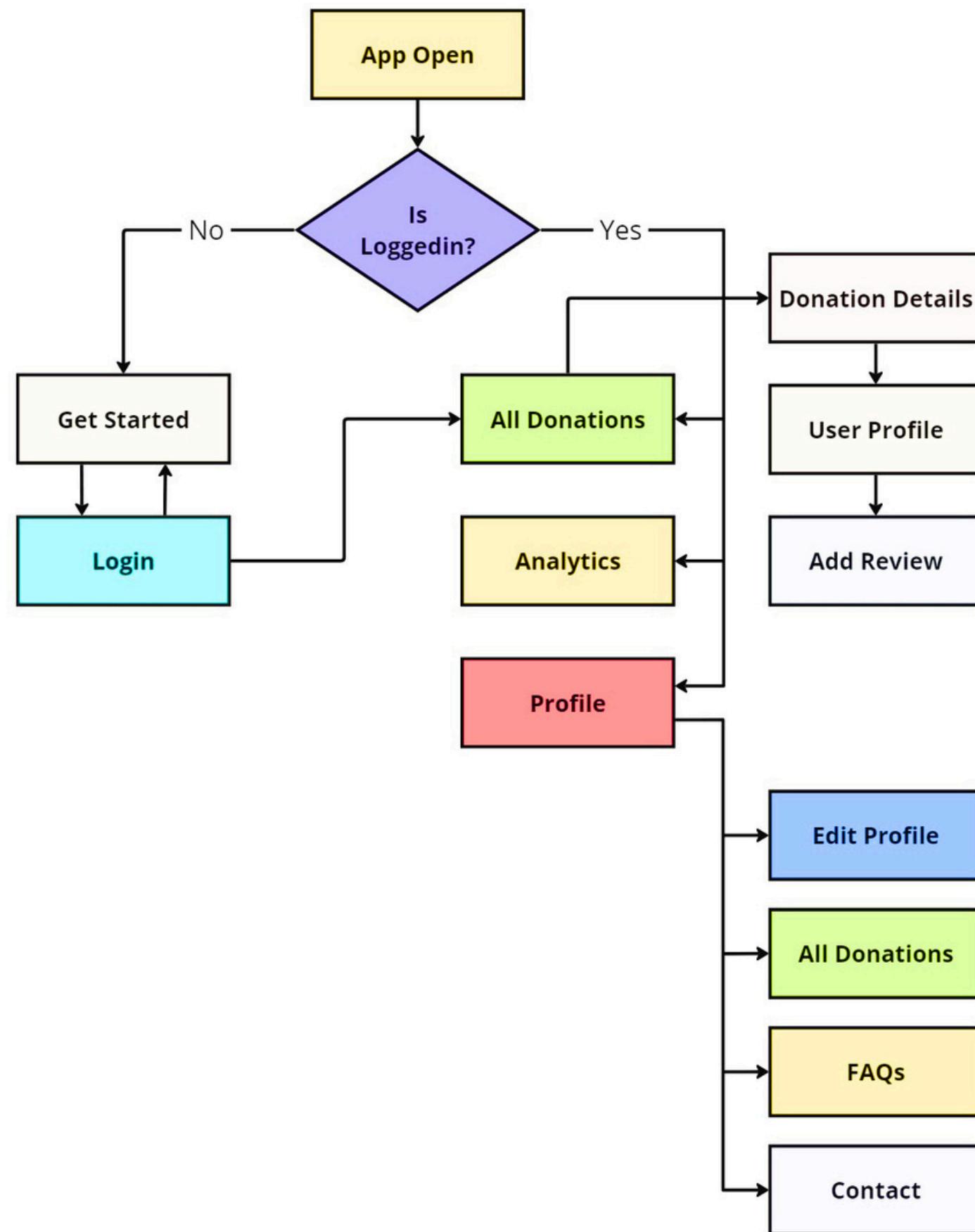
4. Google Firebase

- A backend platform by Google for mobile and web apps. Includes real-time databases, authentication, and hosting services.

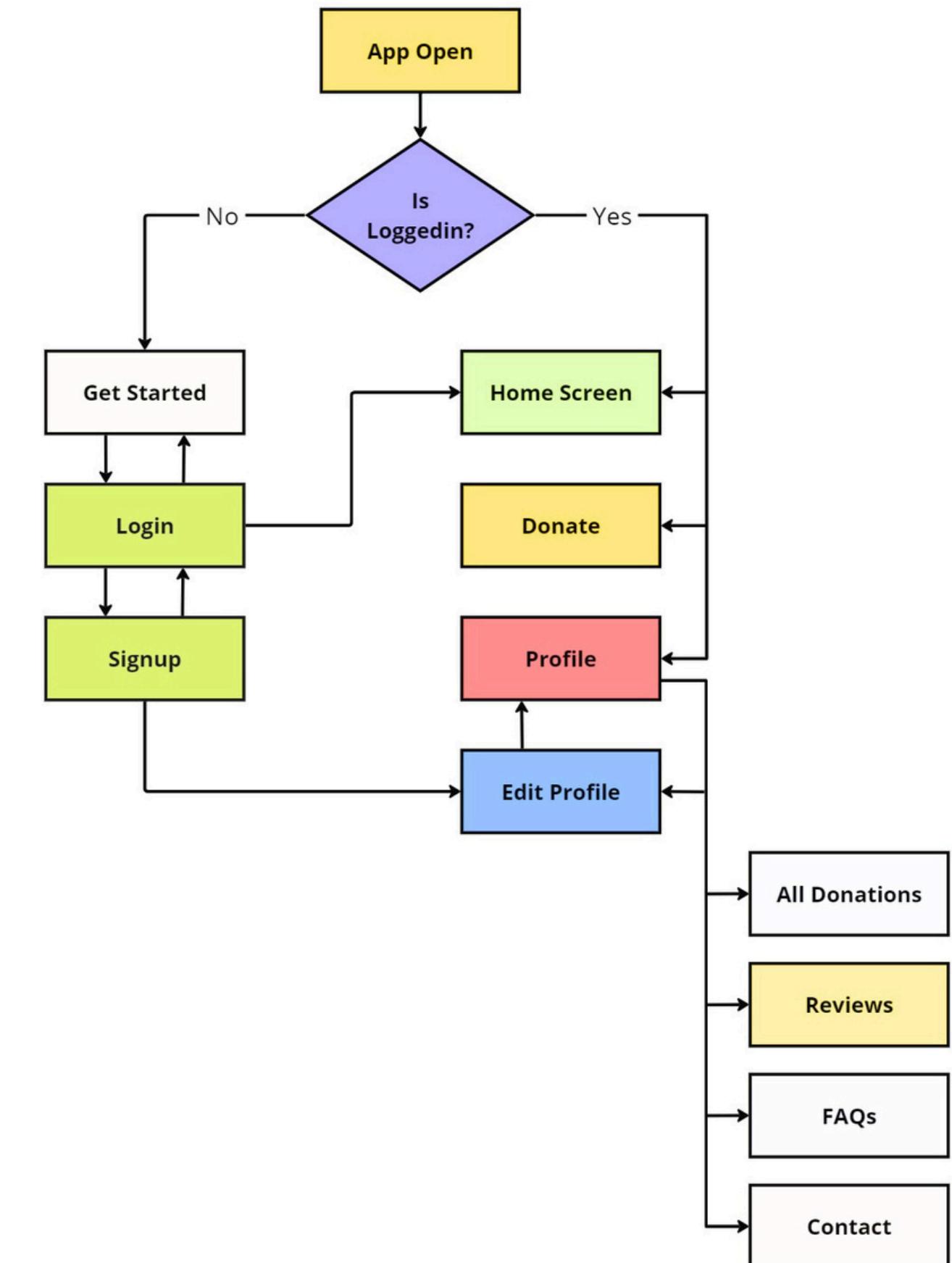


FLOW CHARTS

Orphanage Module



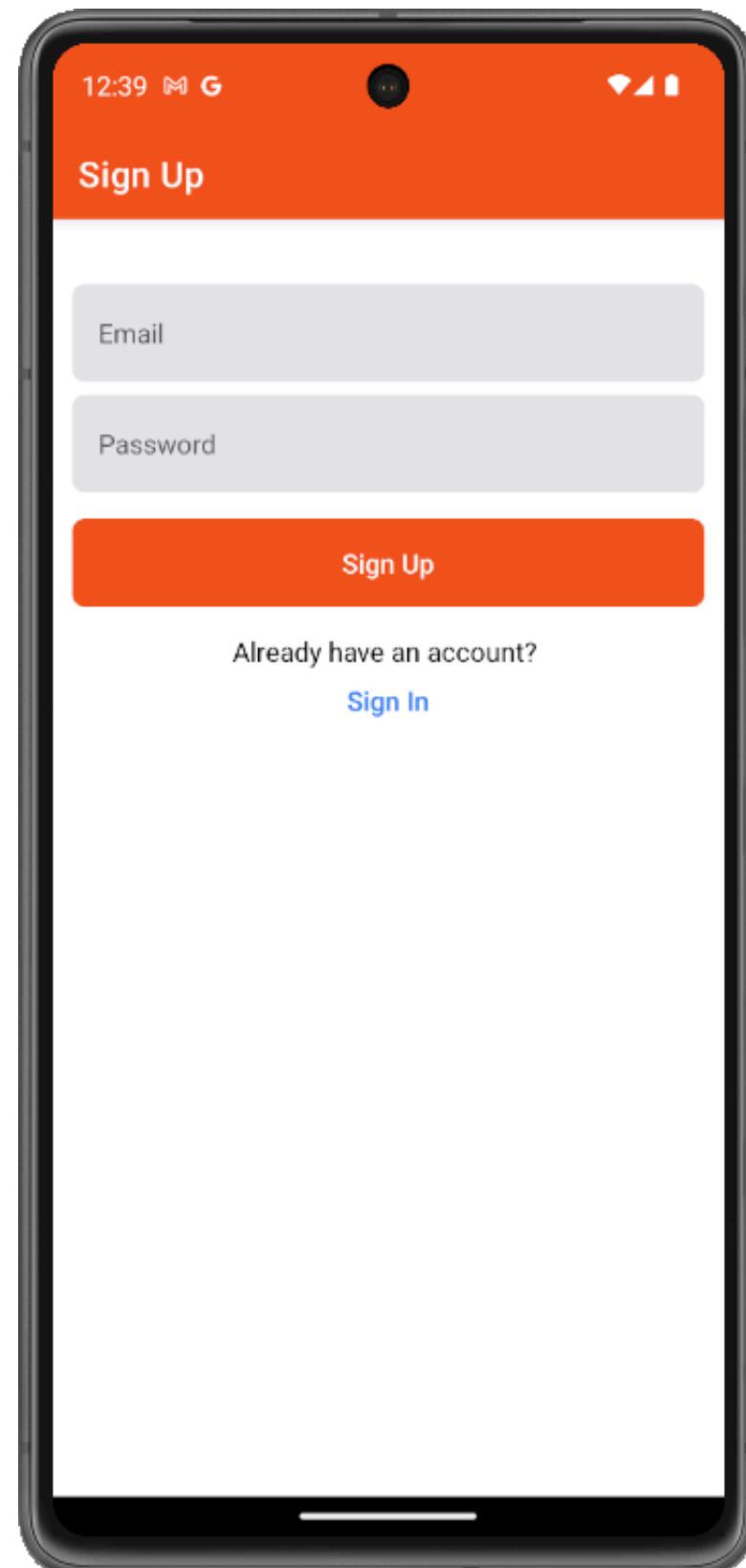
User Module



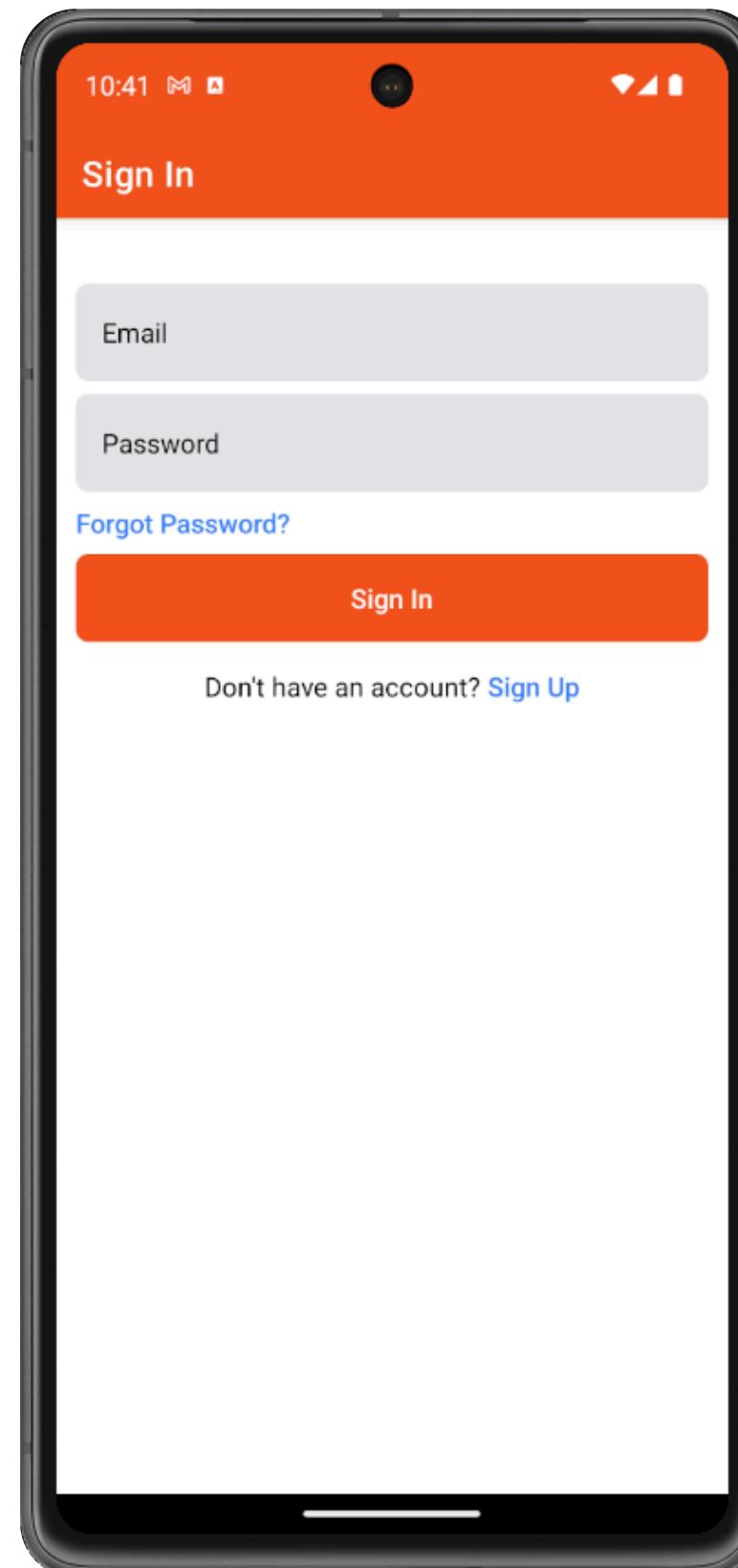
IMPLEMENTATION DETAILS

User Authentication and Authorization

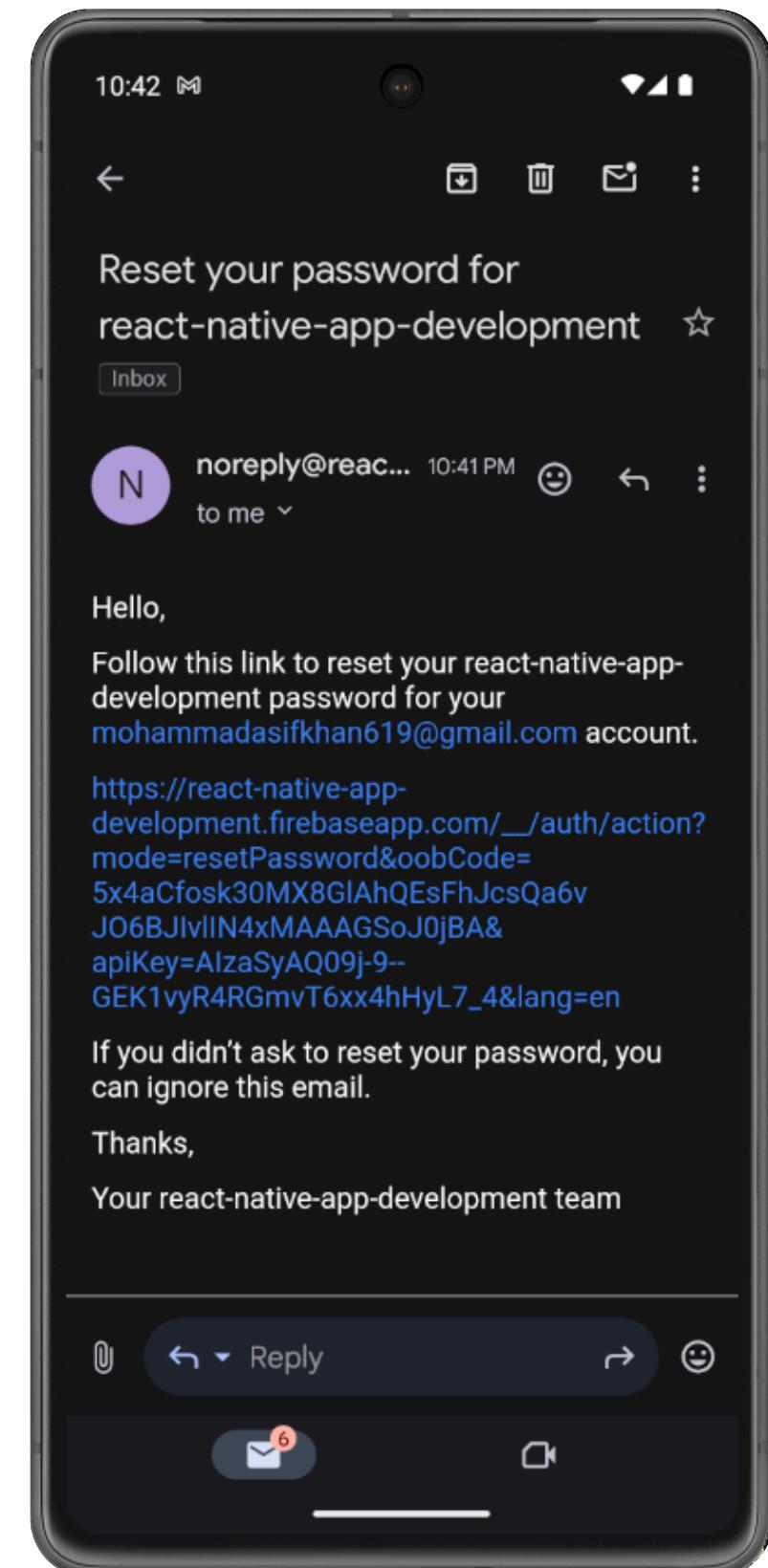
Sign Up Page



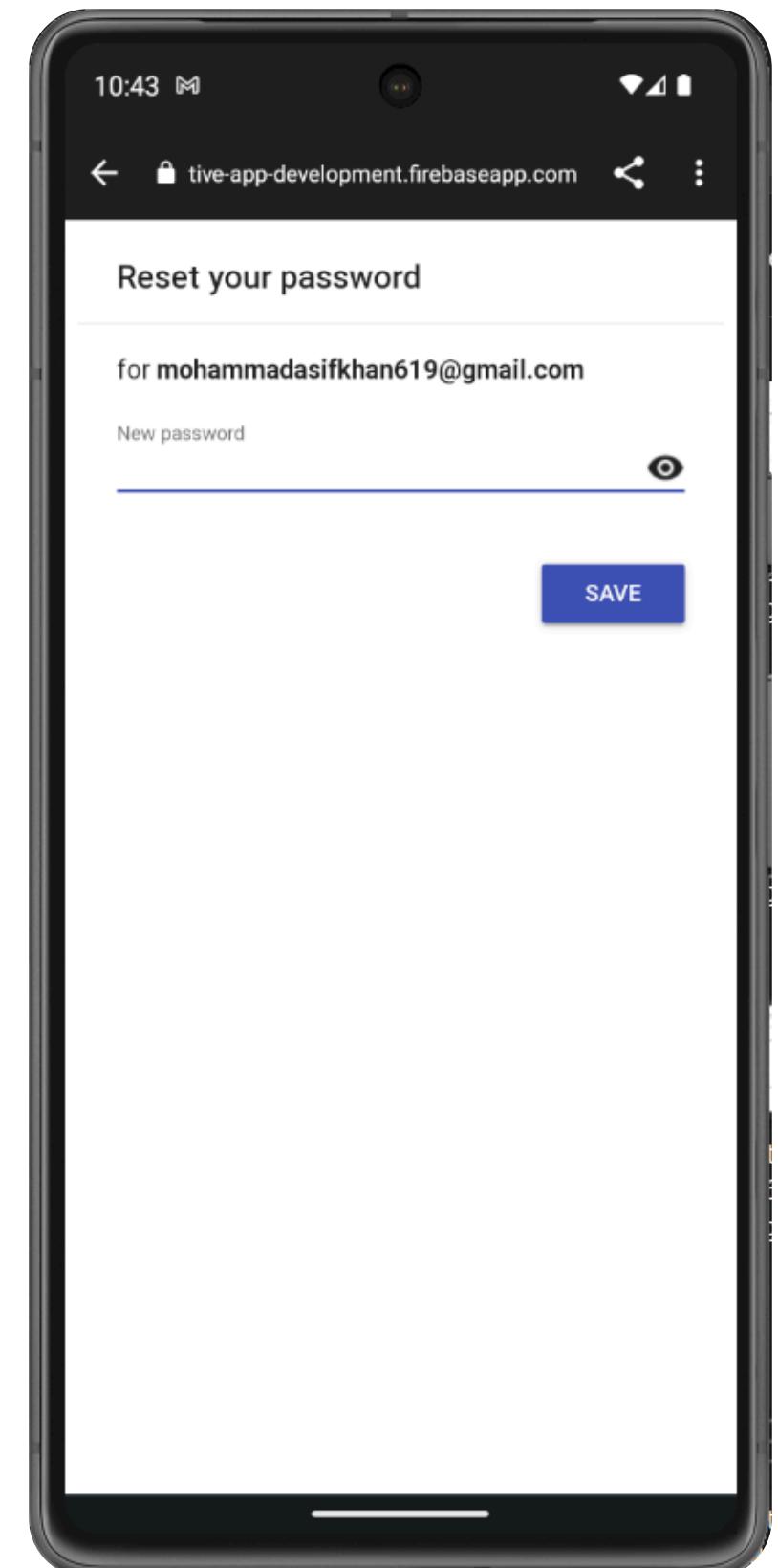
Sign In Page



Password Reset Link

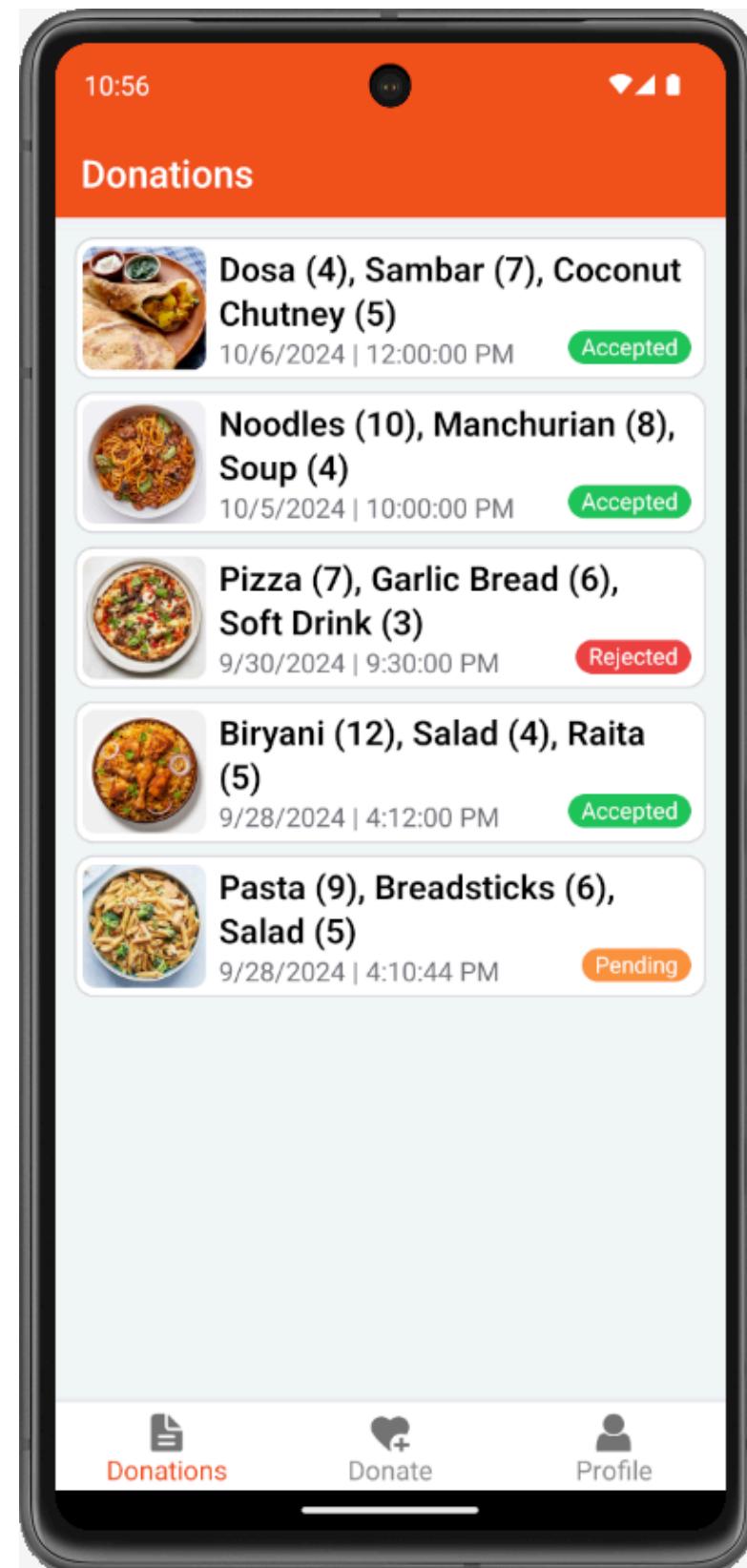


Change Password

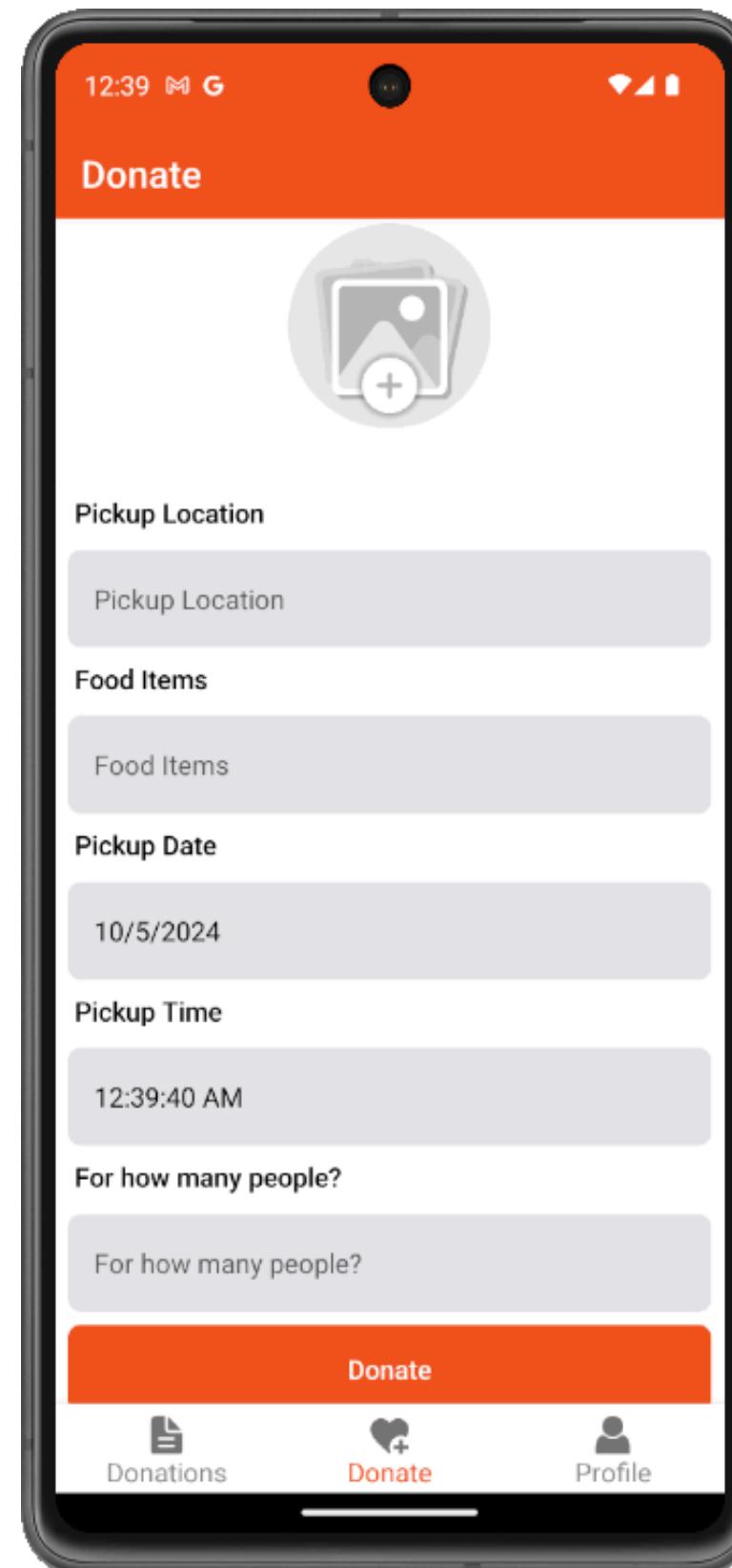


Donor Module

All Donations Page

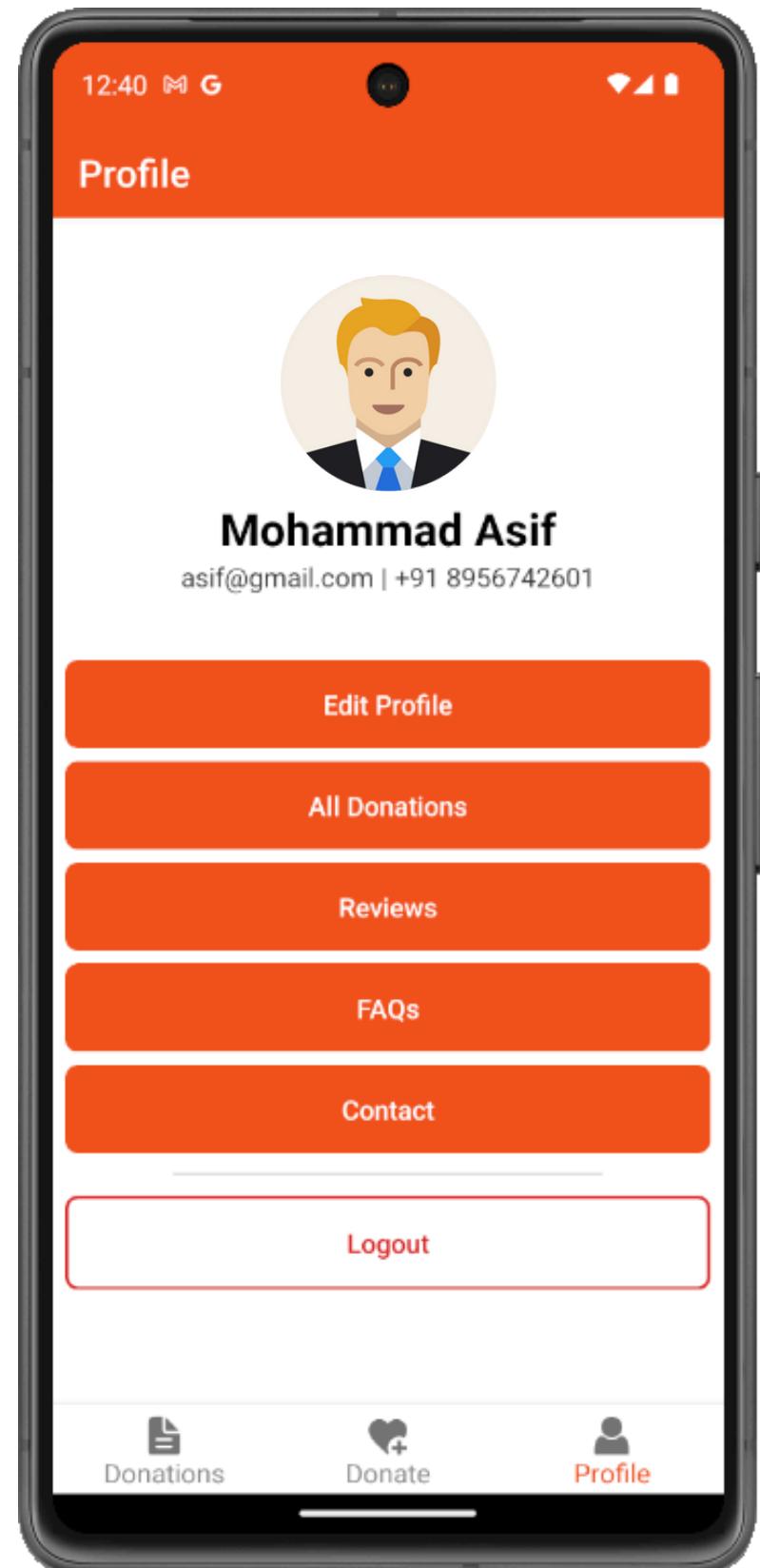


Donate Food Page

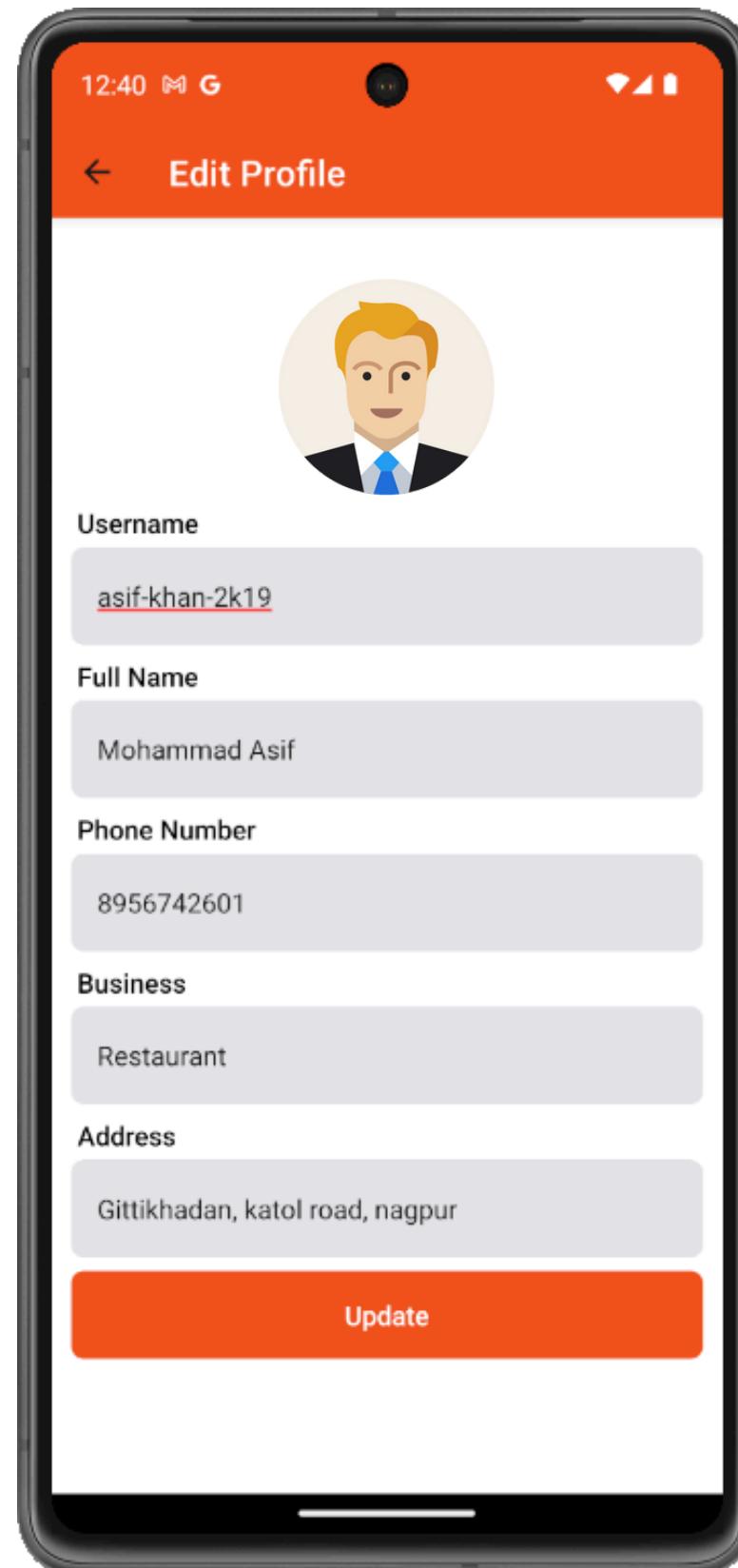


Donor Module

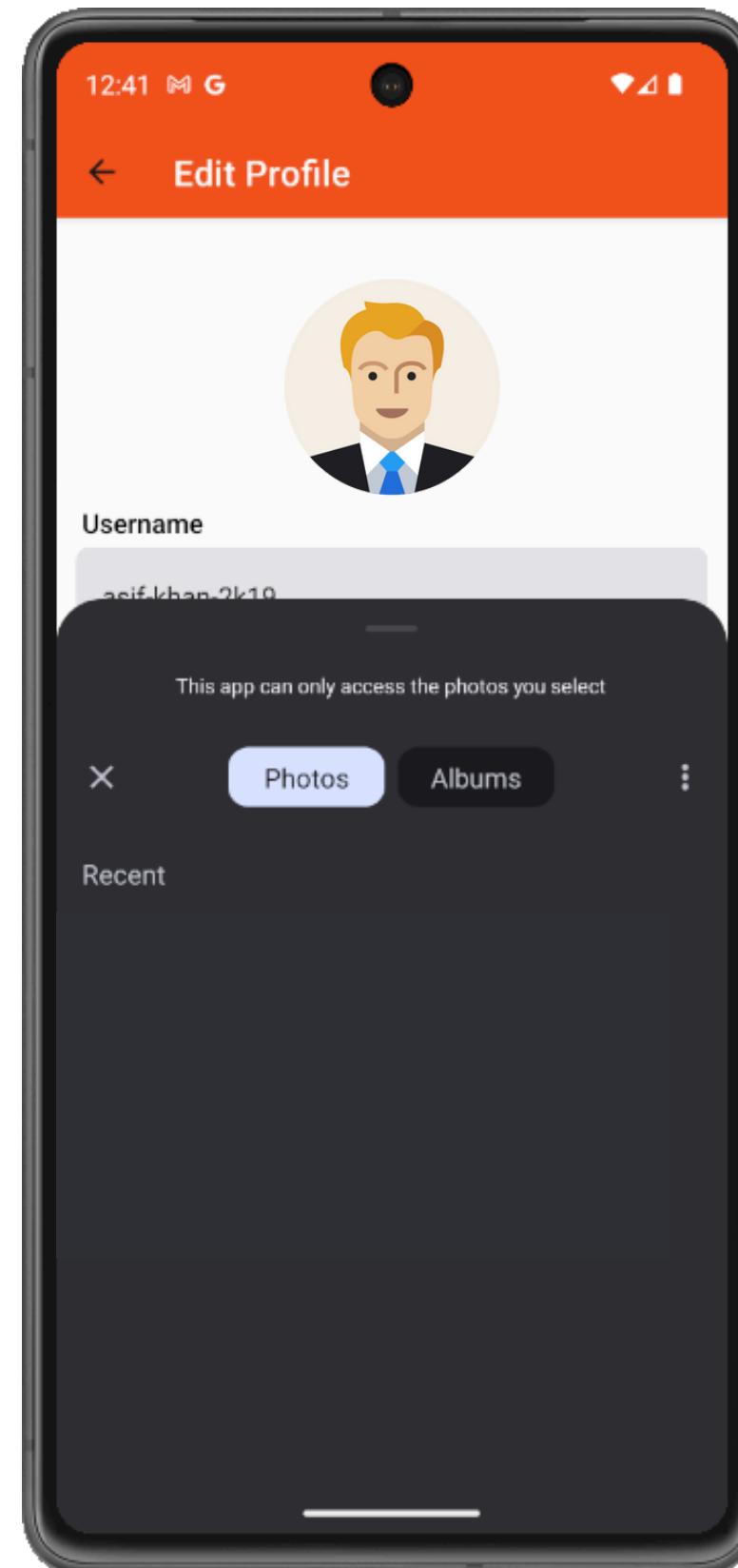
Profile Page



Edit Profile Page

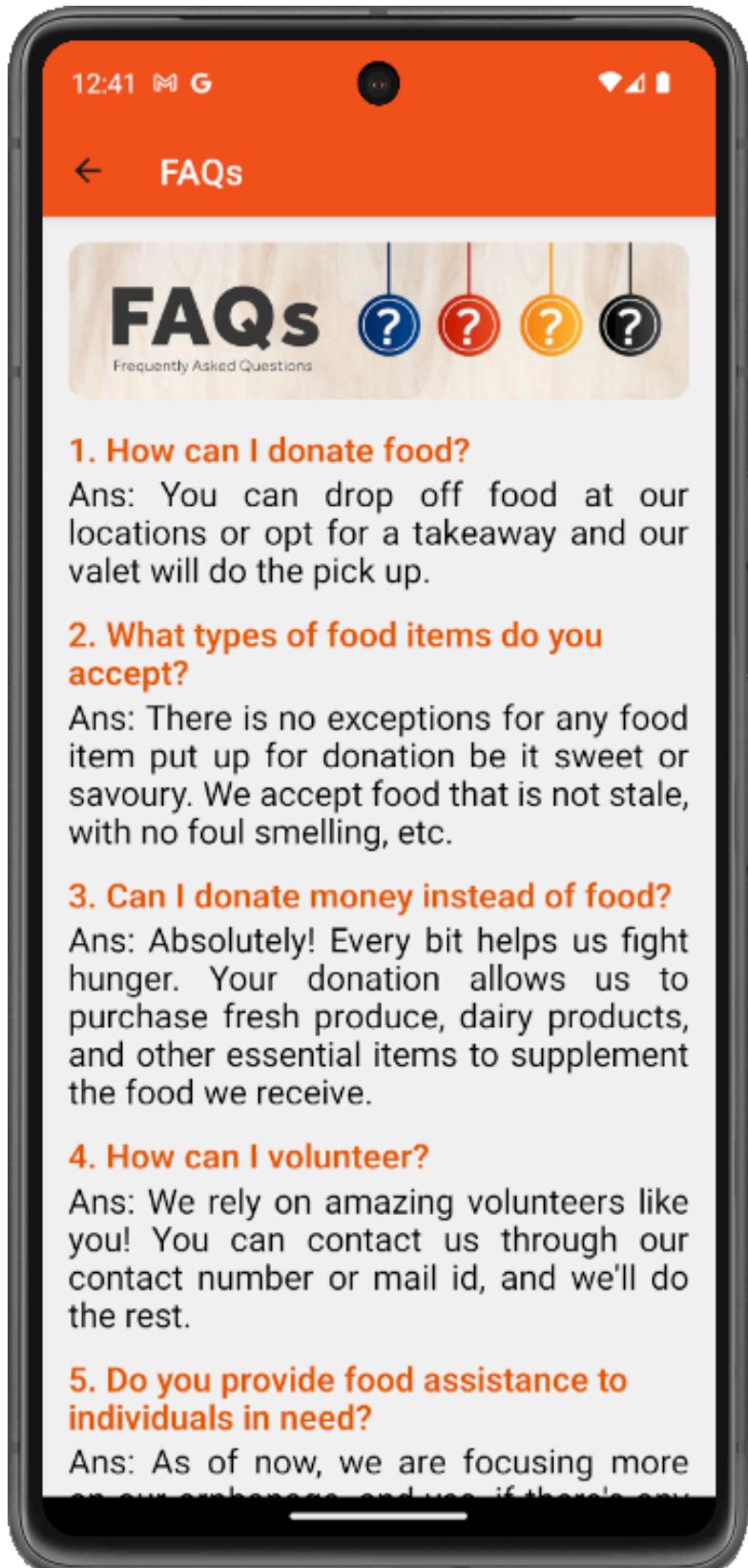


Edit Profile Picture



Donor Module

FAQs Page

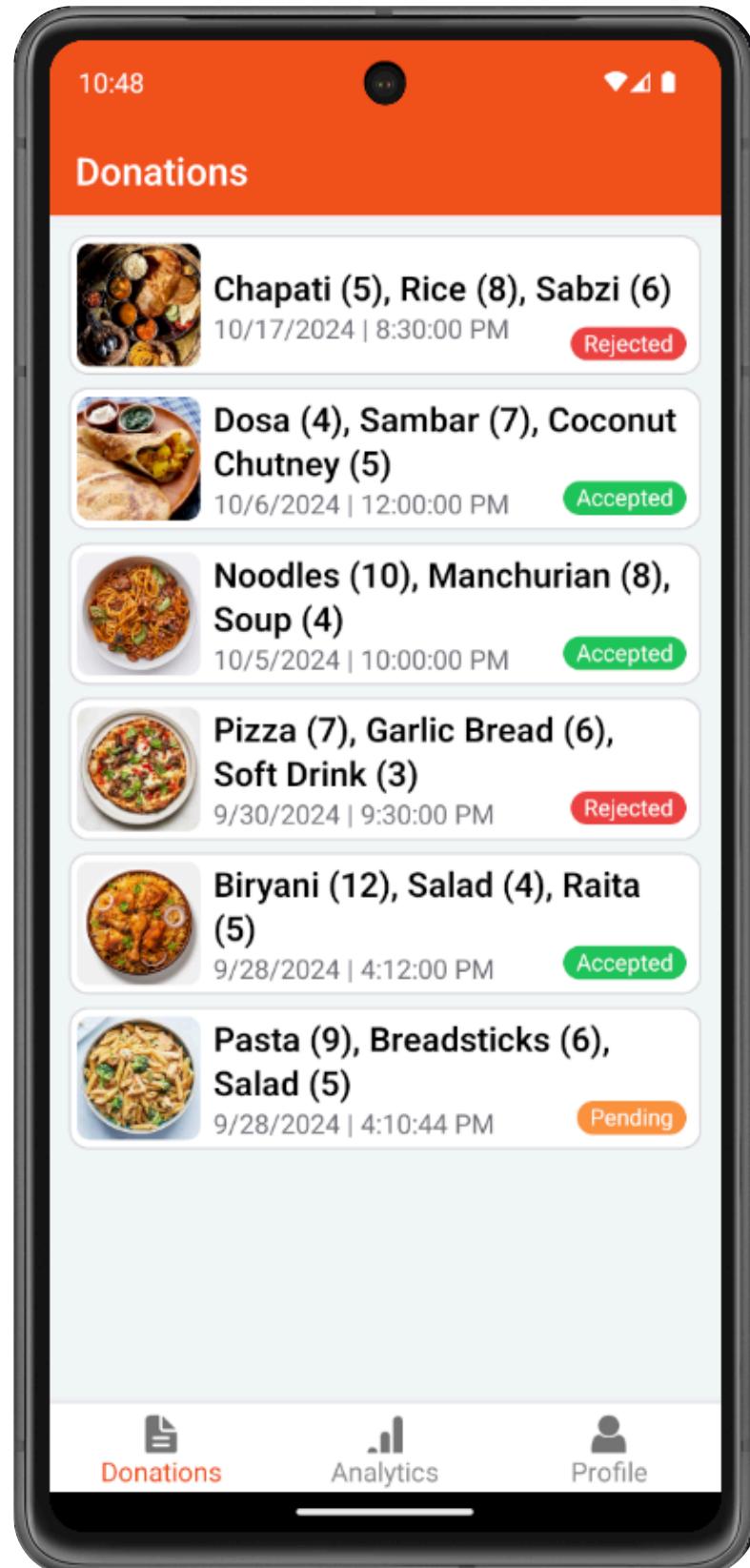


Contact Page

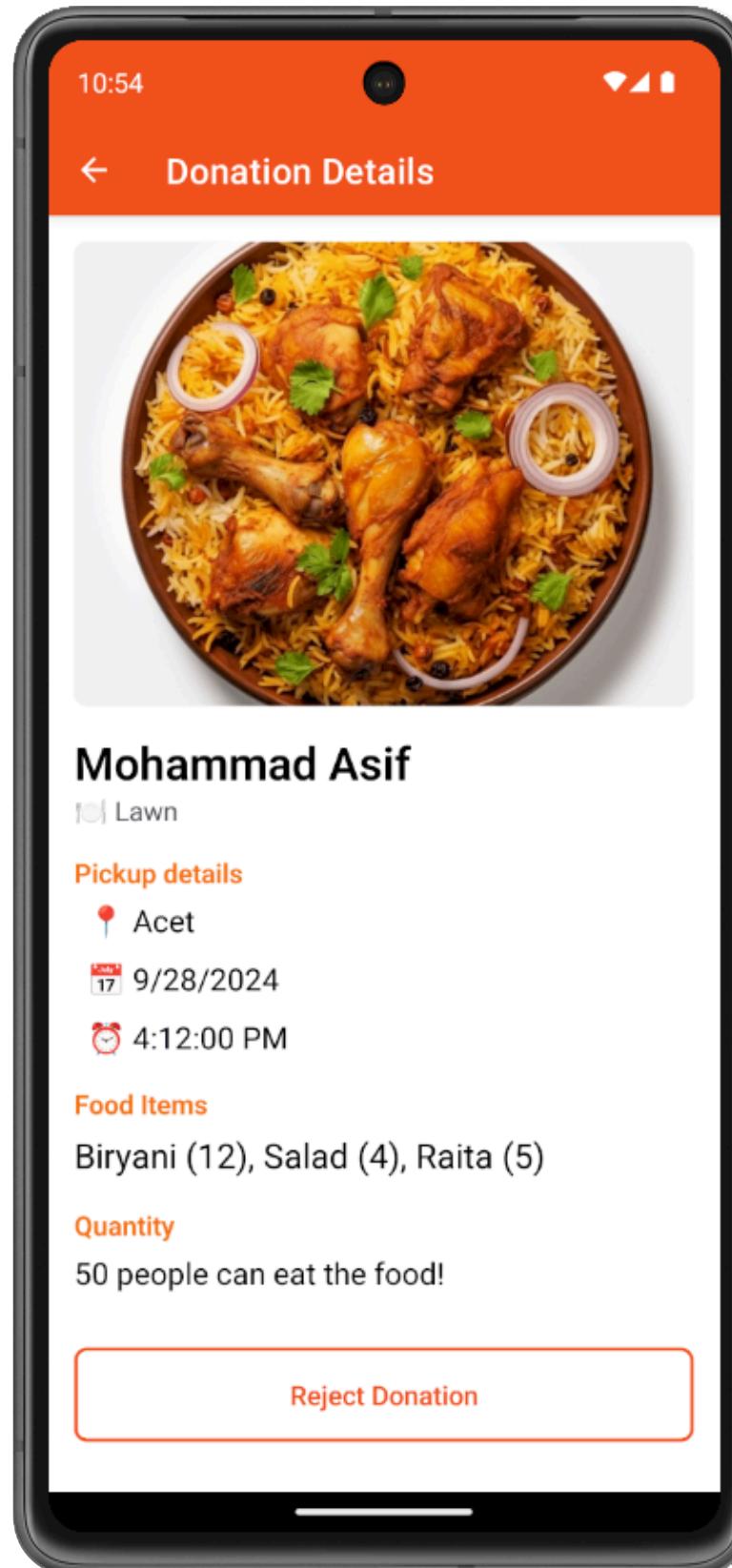


Orphanage Module

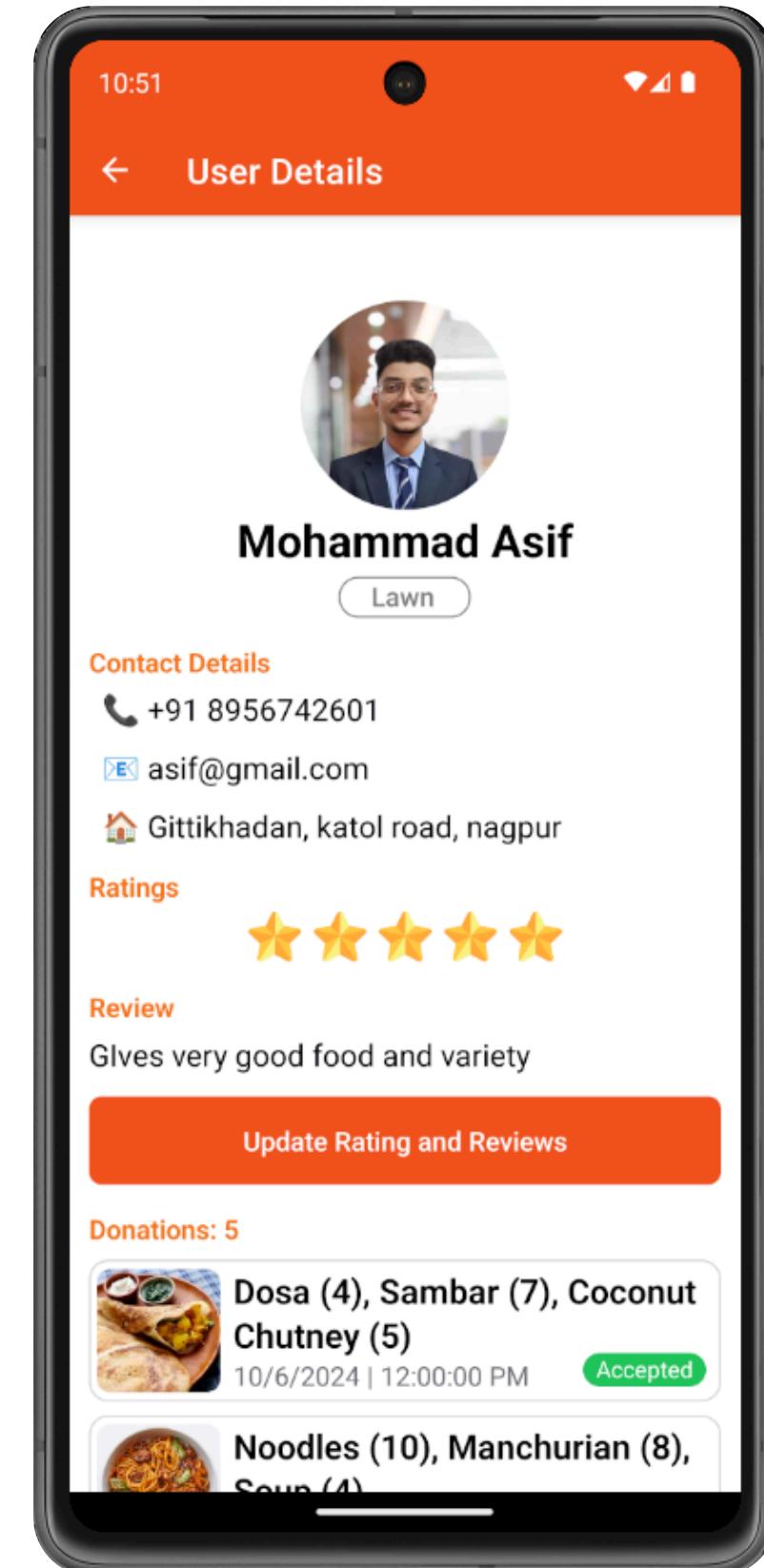
All Donations Page



Donation Details Page



User Details Page



Donations Collection

home > donations > donation_17275.

More in Google Cloud ▾

default	donations	donation_1727520119031	⋮
+ Start collection	+ Add document	+ Start collection	⋮
donations >	donation_1727520119031 >	+ Add field	
users	donation_1727520659156 donation_1727526866546 donation_1727527264196 donation_1728106603439 donation_1729073666480	_id: "donation_1727520119031" donatedBy: "040XJZlpBgMBnrUMLLz1tHzR8kb2" foodItems: "Pasta (9), Breadsticks (6), Salad (5)" image: "https://firebasestorage.googleapis.com/v0/b/react-native-app-development.appspot.com/o/Food%20Donation%20Images%2Fpasta alt=media&token=7df905e6-1e15-422e-9195-5a3e6ad51abb" peopleCount: "5" pickupDate: September 28, 2024 at 4:10:44 PM UTC+5:30 pickupLocation: "Mangalwari Bazar, Nagpur" pickupTime: September 28, 2024 at 4:10:44 PM UTC+5:30 status: "Pending" timestamp: September 28, 2024 at 4:11:59 PM UTC+5:30	

Users Collection

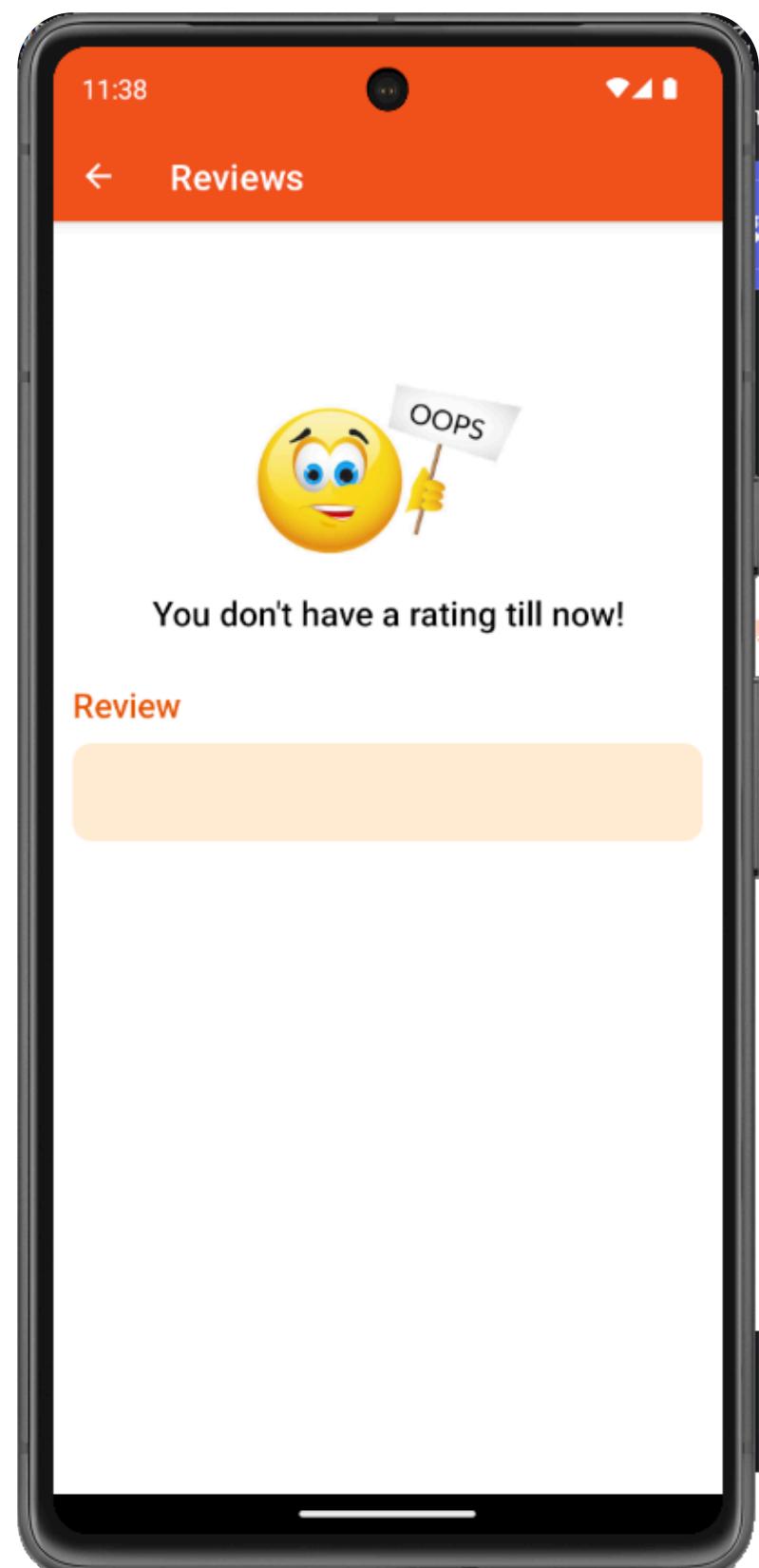
Home > users > CL6sc3we4WZU

More in Google Cloud ▾

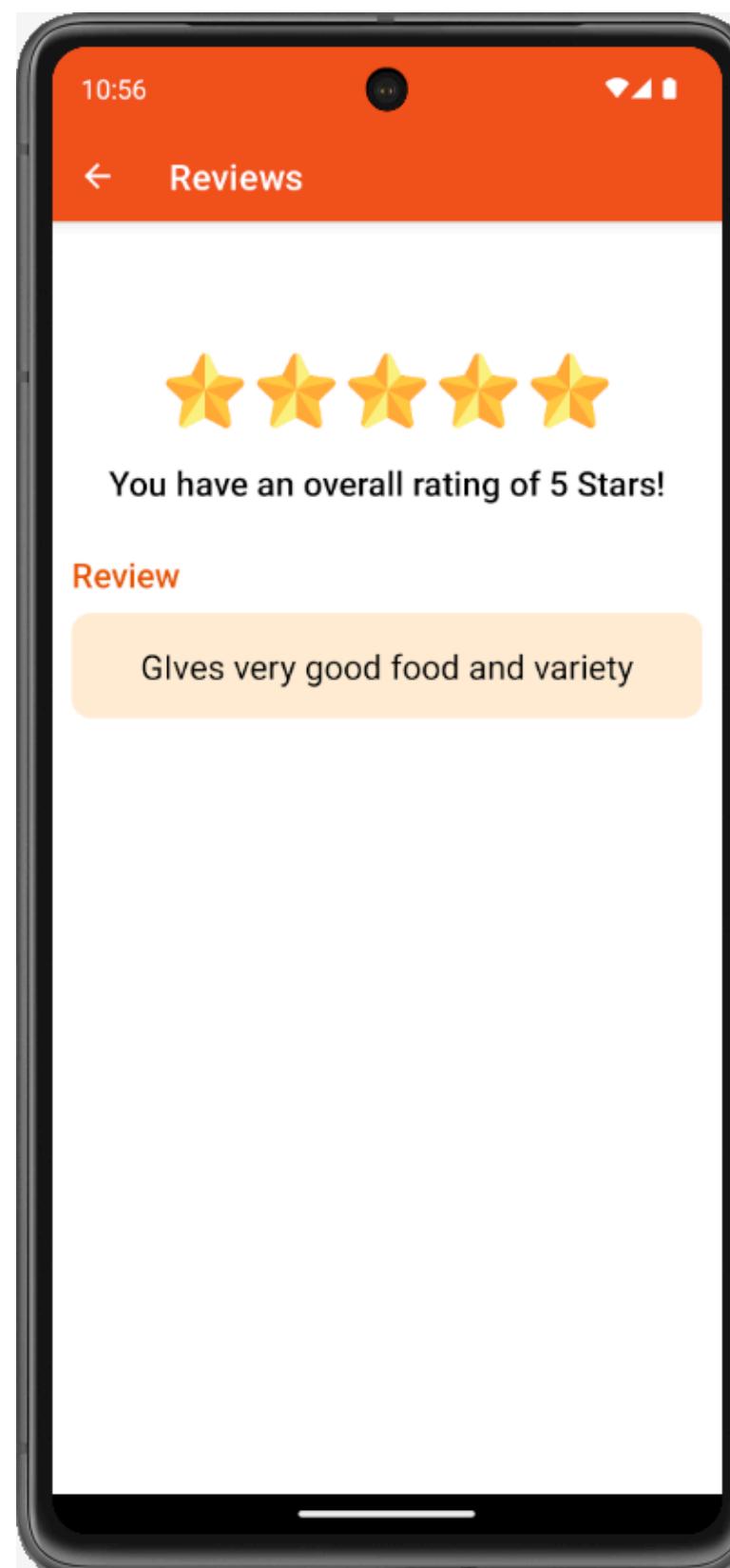
(default)	users	CL6sc3we4WZUvzgb5NR4MWogaUK2
+ Start collection	+ Add document	+ Start collection
donations	040XJZlpBgMBnrUMLLz1tHzR8kb2	+ Add field
users >	CL6sc3we4WZUvzgb5NR4MWogaUK2 >	address: "Nagpur, Maharashtra"
	K4DjdvYV4caIP5HmpnTKyeSw68j1	business: "Cafe"
	NfyGVVnmAgRXpqIDPXBfxrl1Bzo1	createdAt: October 5, 2024 at 11:19:47 AM UTC+5:30
		▼ donations
		0 "donation_1729073666480"
		email: "tab@gmail.com"
		name: "Tabish Romani"
		phoneNumber: "987654321"
		profilePicture: "https://firebasestorage.googleapis.com/v0/b/react-native-app-development.appspot.com/o/Profile_Pictures%2F1729073666480?alt=media&token=6e37a06c-cb78-47f1-bab4-a73e7b1f9909"
		rating: "4"

Rating and Review

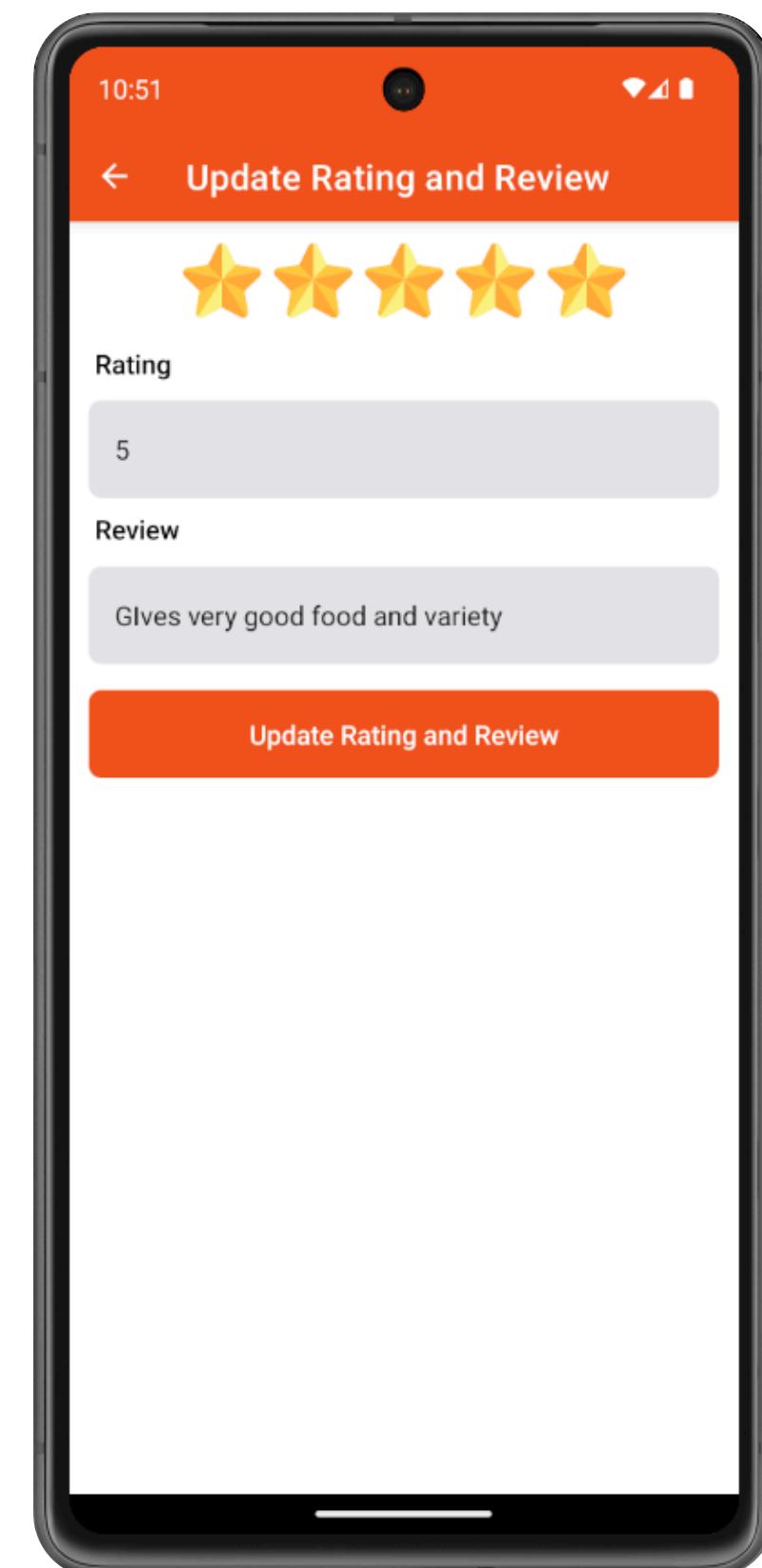
User's Reviews Page



User's Reviews Page

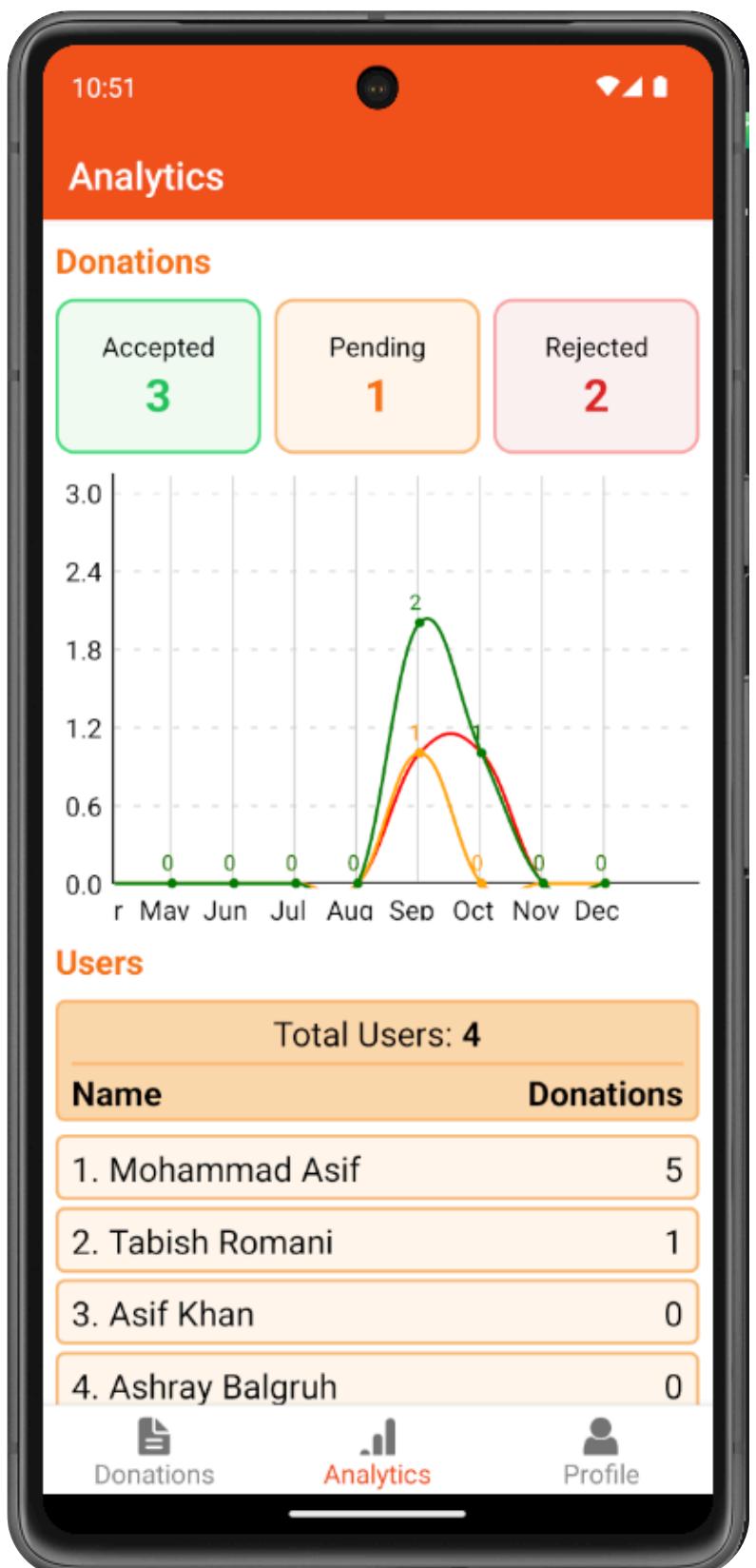


Update Rating and Reviews Page



Reports and Analytics

Analytics Page



REFERENCES

- [1] <https://timesofagriculture.in/sept-times-of-agriculture-magazine/>
- [2] Prof. Nazish Khan , Prof. Samina Anjum , Avanti Maske , Devesh Singh Solanki4, Kaikasha Sheikh , Mariya Ahmad (2023). Increasing Efficiency of NGOs for Management of Food Waste by Proposing Web-Based Application. International Journal for Research in Applied Science & Engineering Technology (IJRASET), 11(v), 2596-2598.
- [3] Mobile application: donate a day
- [4] <https://www.akshayapatra.org/>
- [5] <https://www.nfsm.gov.in/>
- [6] SeVa: A Food Donation App for Smart Living
- [7] <https://www.feedingindia.org/>

