

Swipe Share



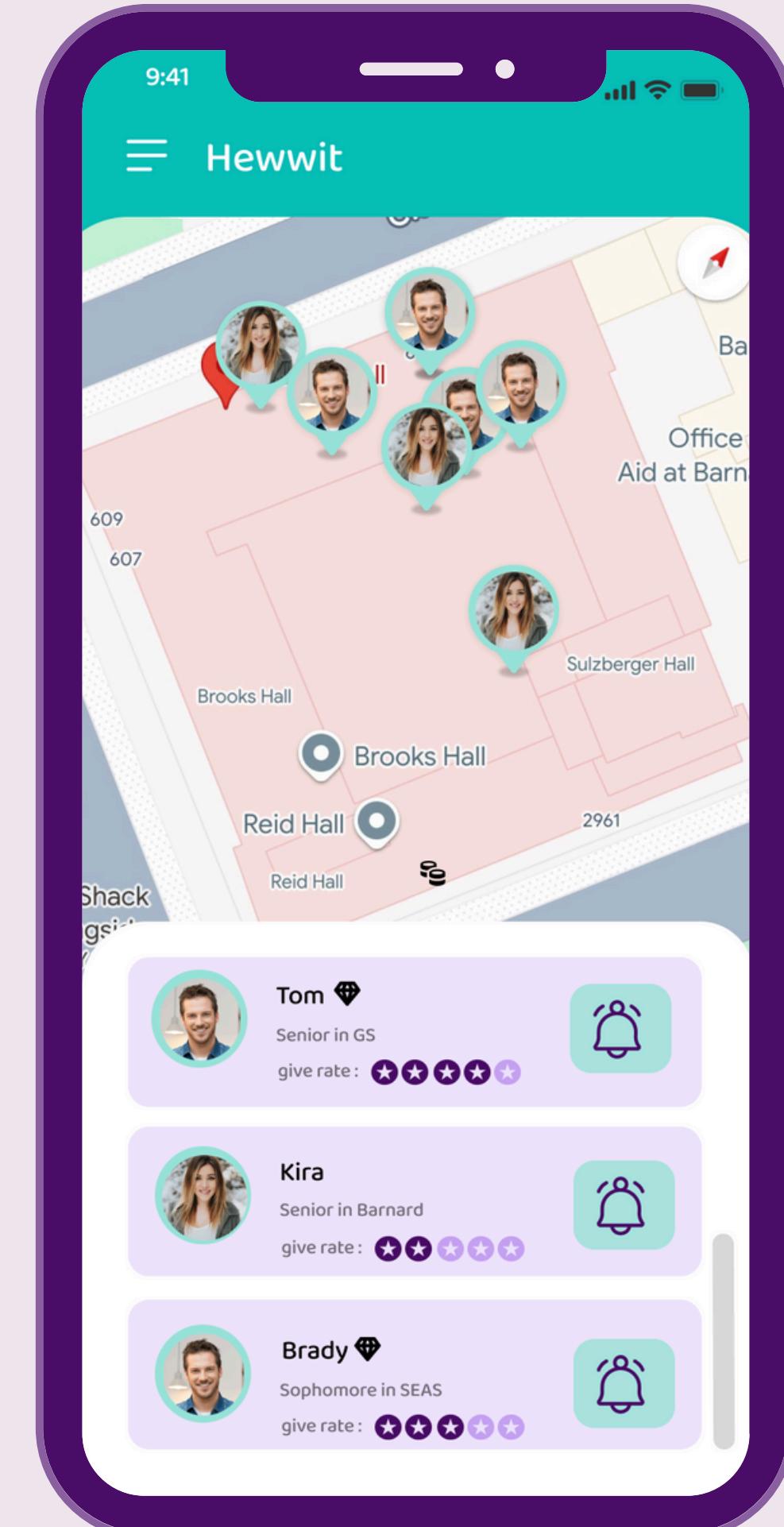
meals made easy, swipes made simple

Natalie Bran, Monique Bryan-Johnson,
Avita Flores, Rosa Figueroa,
Kalei Ragland, & Adira Sklar

THE VISION

SwipeShare is a platform that helps facilitate the sharing and receiving meal swipes from students and for students.

The SwipeShare app encourages **looking out for fellow community members** so that **no swipes go wasted** at the end of each year.



WHO ARE WE?

Natalie Bran is a senior majoring in computer science and graduating Spring 2025. She worked on researching features, designing key pages such as Giver Request and Settings, refining user flows, enhancing the Sign-Up process, and ensuring functionality through thorough testing and debugging.

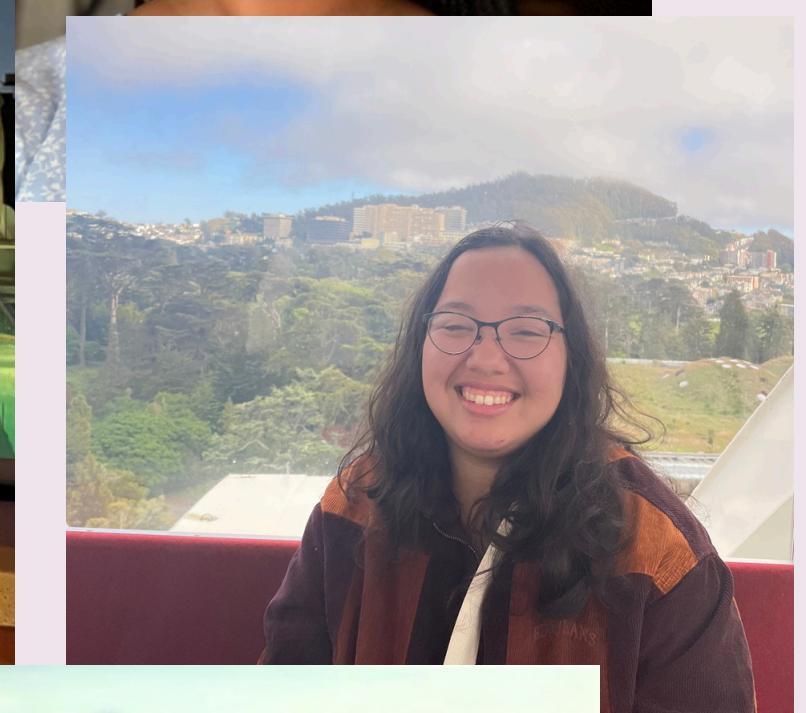
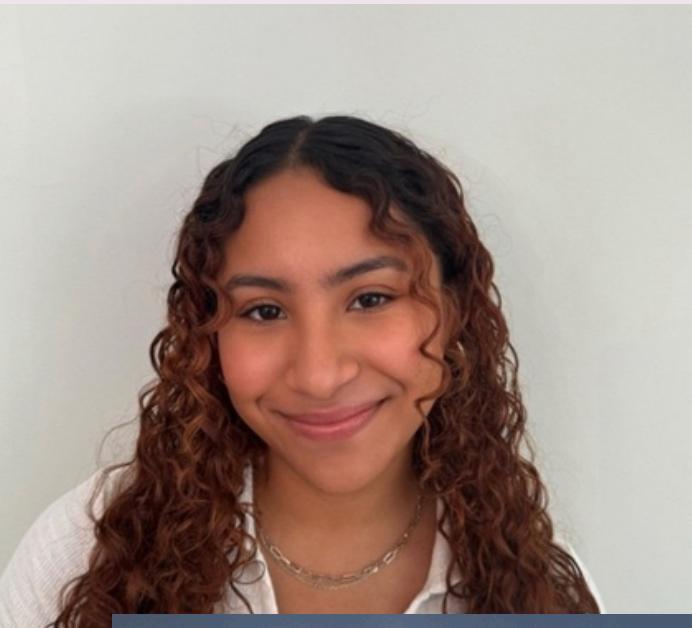
Monique Bryan-Johnson is a senior majoring in computer science and graduating Fall 2024. She worked on designing the initial views for the application, integrating the backend Firebase authentication for secure user sign-up and login, as well as implementing the backend for storing and retrieving user profiles. She also deployed Firebase storage to securely store profile images uploaded by the user, creating the framework for sending pending request, implementing and developing the chat functionality and UI, as well as testing and debugging.

Avita Flores is a senior majoring in Computer Science and graduating in Winter 2024. She worked on product management, researching features, UI design, and implementing the chat UI and functionality.

Rosa Figueroa is a senior majoring in Computer Science and graduating in Spring 2025. She worked on designing the UI of giver sign up views, chat views, navigation side bar, and the settings page. She also worked on implementing the front end and back end of the 4 giver and receiver home views, the university API on backend and front end, the location manager using CoreLocation which allows users to be shown in a dining hall and find each other, the user manager using Firebase/Firestore, navigation between views, front end and back end of side bar/tab bar across all views, and testing/debugging across all views.

Kalei Ragland is a graduate student majoring in Computer Science and graduating Winter 2025. She worked on the MapKit feature and implementing the backend of the Receiver Views.

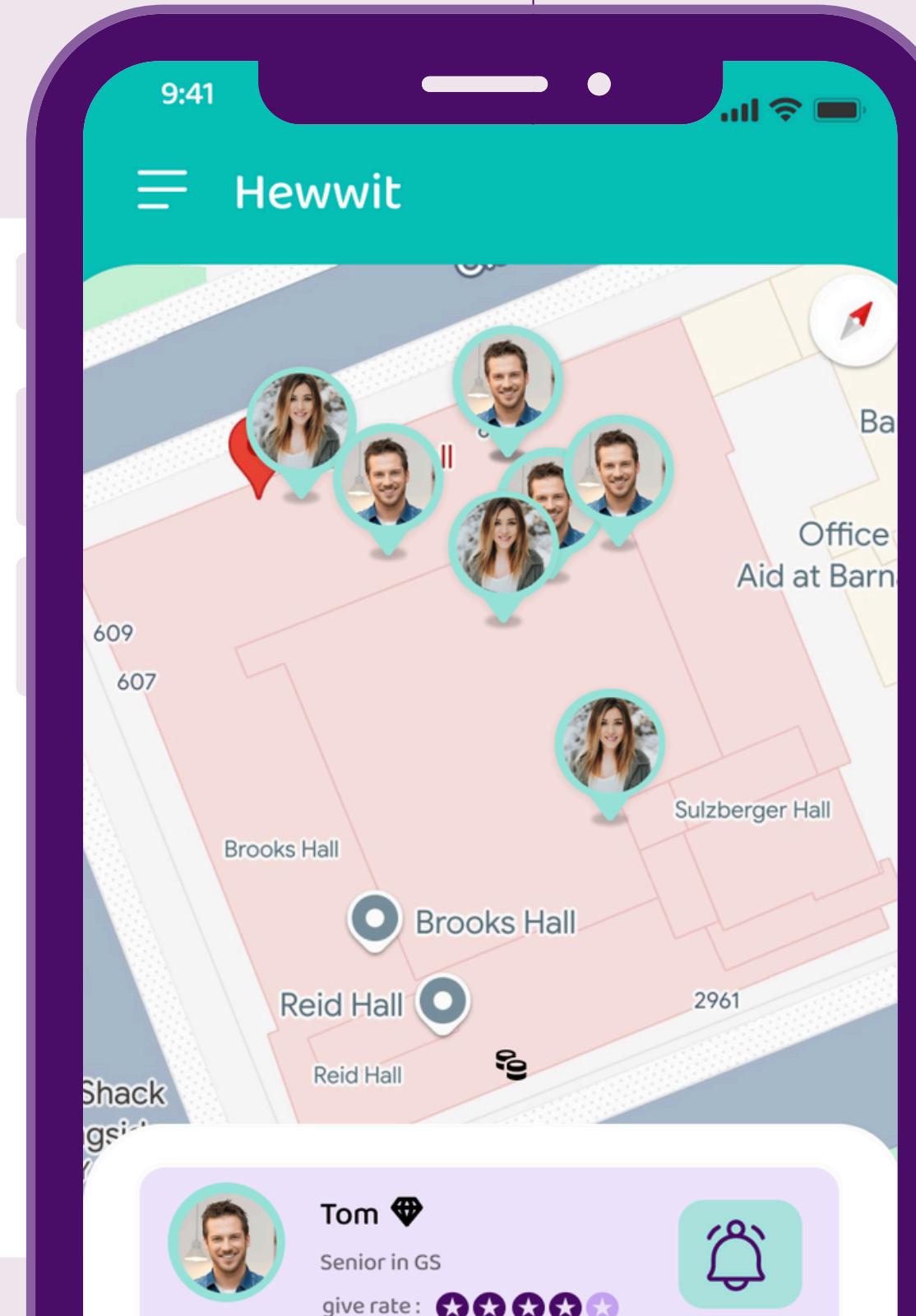
Adira Sklar a Junior majoring who in Computer Science & Cognitive Science and graduating in spring of 2026. She worked setting up much of the front-end of the app, designing and setting up swift UI for many screens and app icon. She also worked on the in-app navigation pathways. She also prepared the presentation materials and filmed and edited the demo film.



THE USERS

Swipe Givers

- ✓ Likely Freshman & Underclassmen who are required to enroll in larger meal plans
- ✓ Anyone who wants to do something kind and help someone in need!



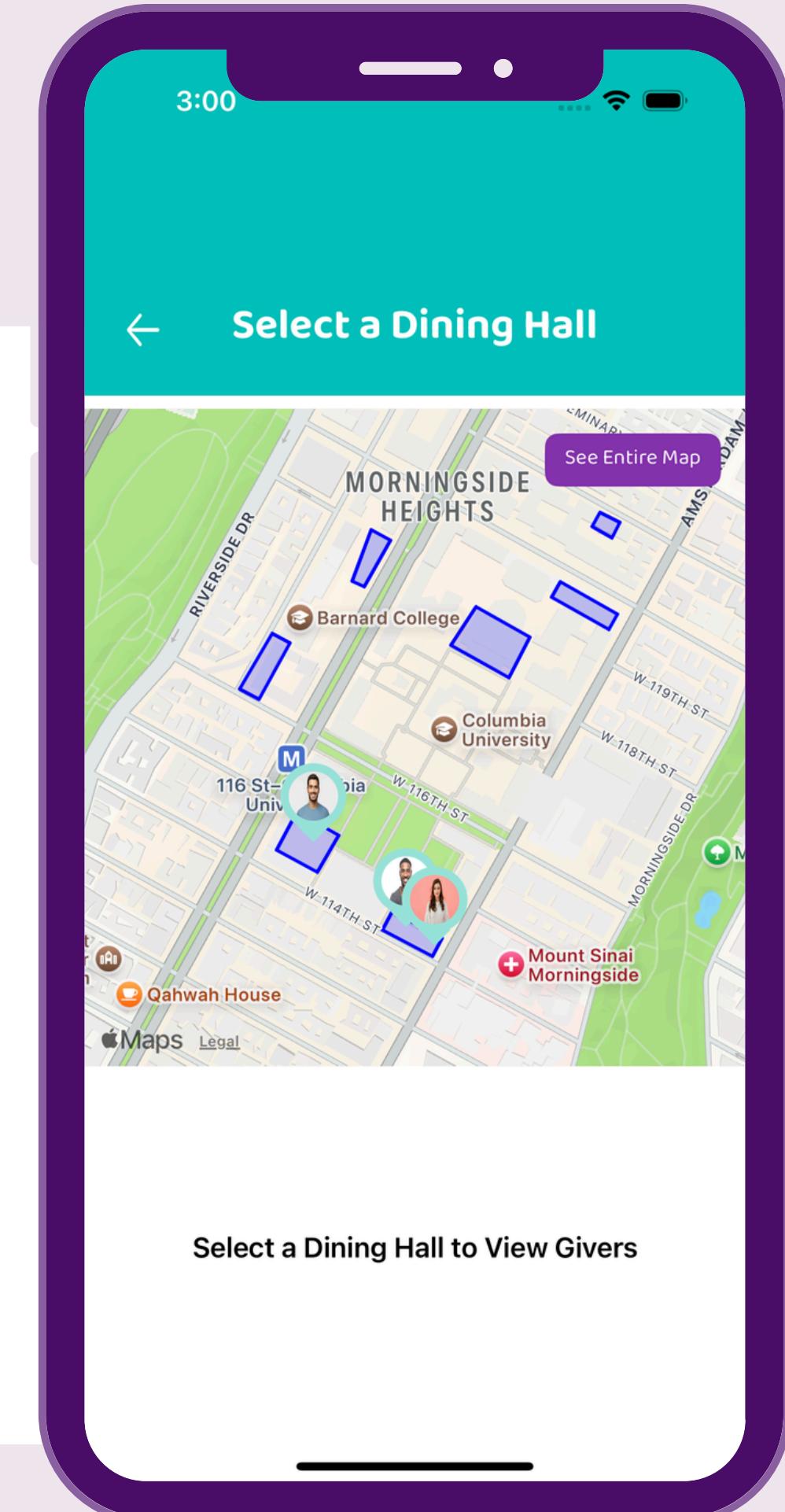
Swipe Recievers

- ✓ Likely Upperclassmen who enroll in smaller meal plans
- ✓ part-time students
- ✓ anyone in need

HOW IT WORKS

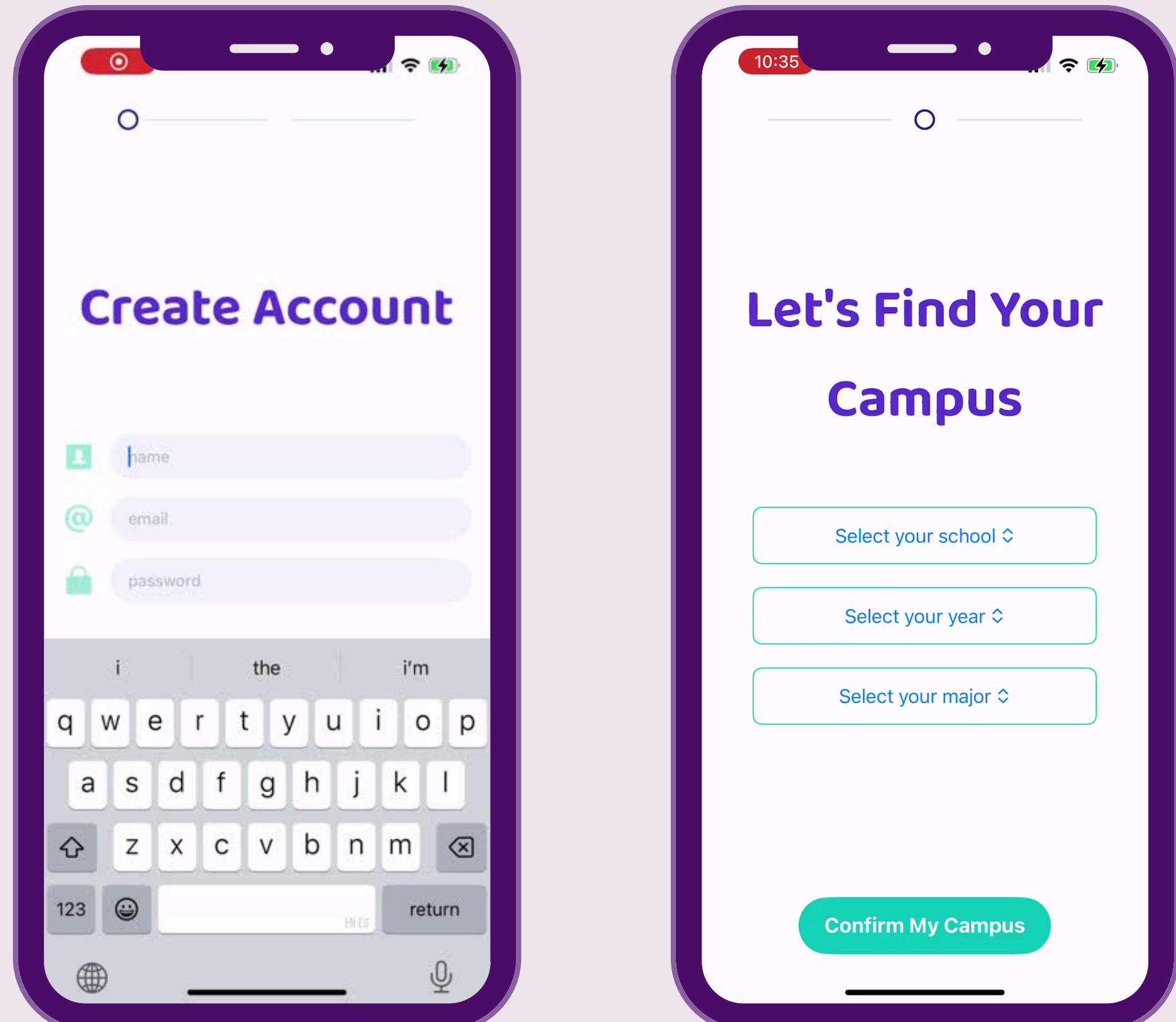
The app is **location** based, using the CoreLocation and MapKit frameworks.

It relies on tracking when the “givers” are inside certain campus dining halls, allowing receivers to message them and gain a swipe.



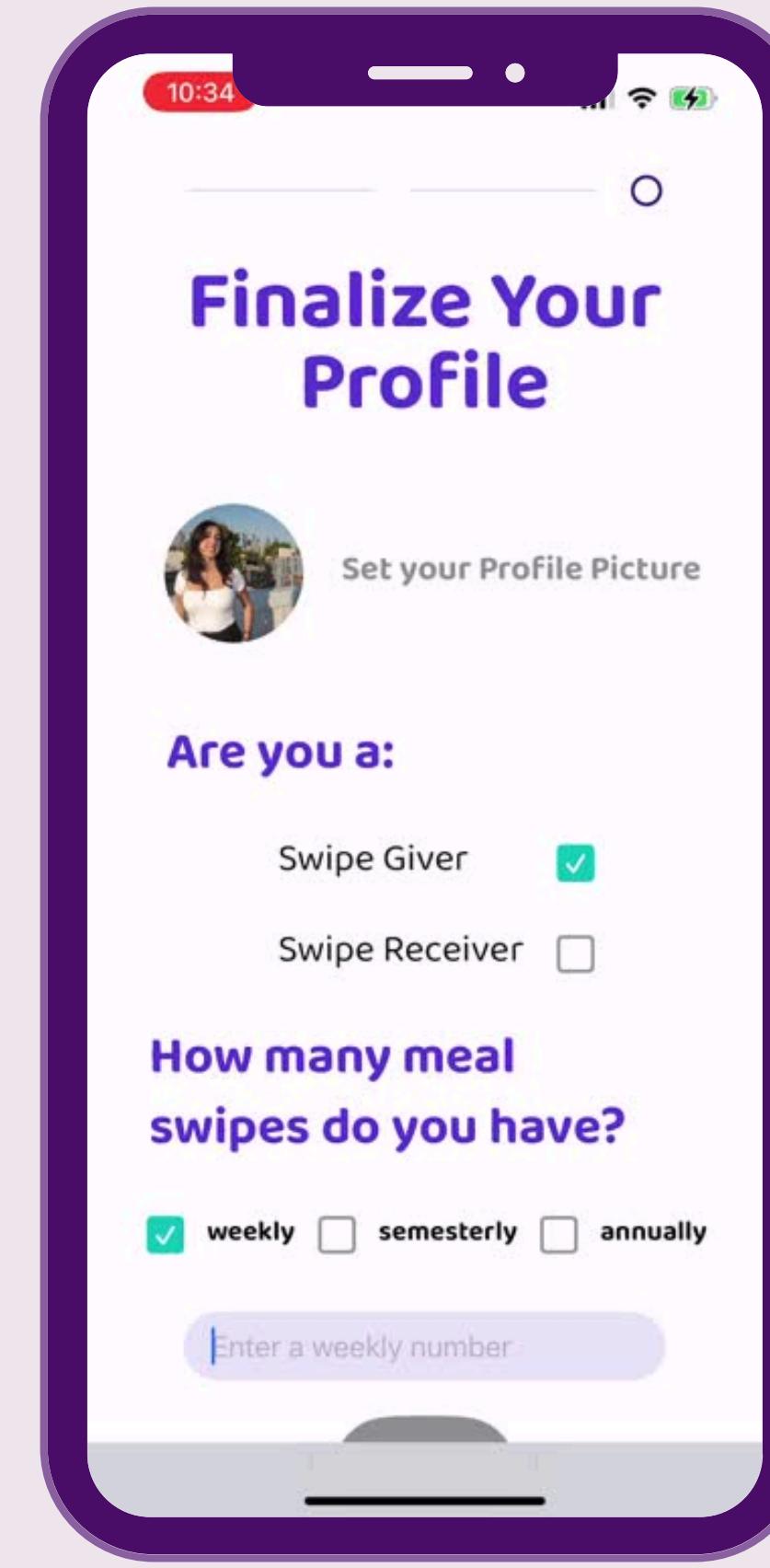
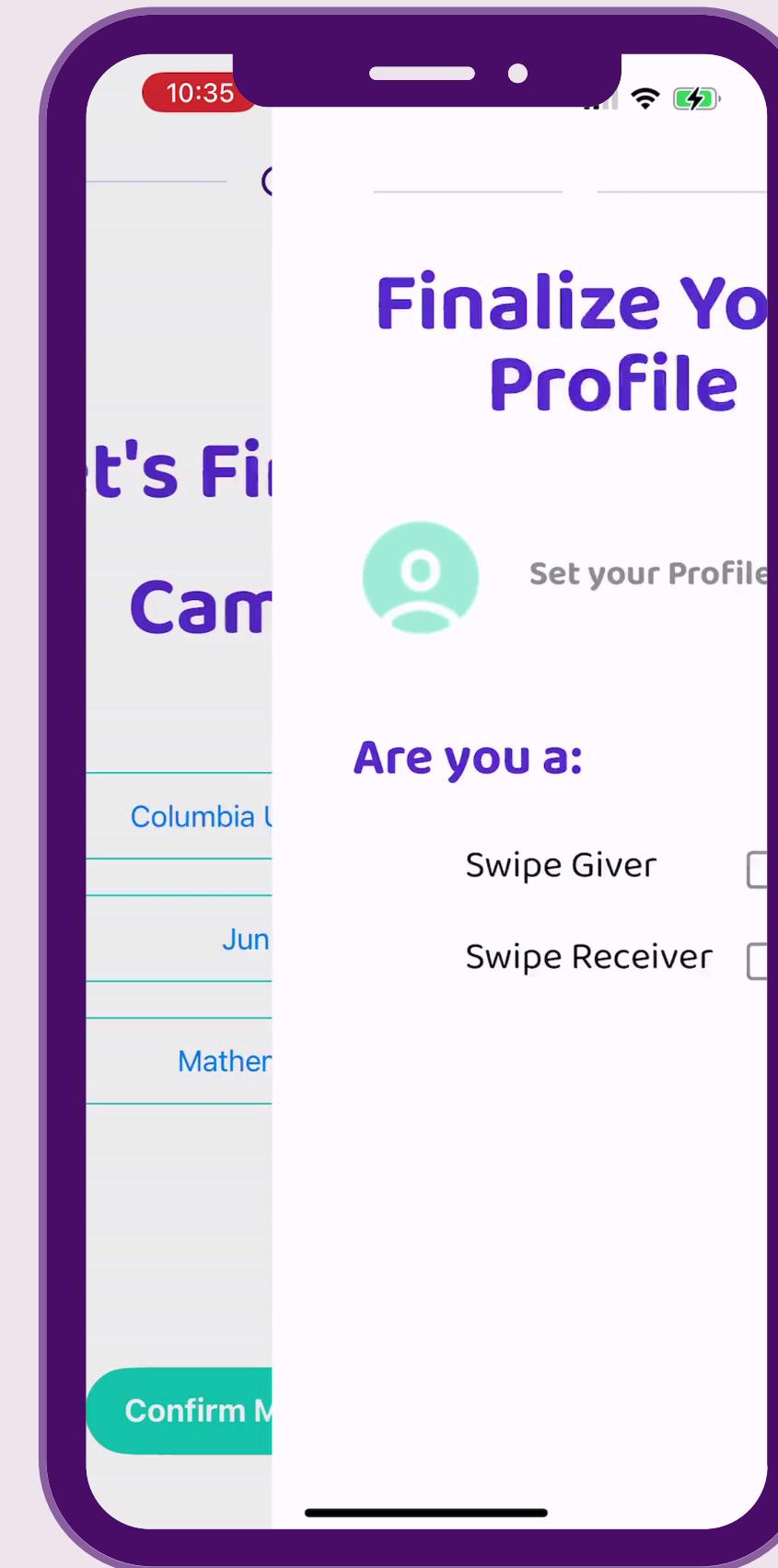
FILLING IN YOUR PROFILE

Gets list of universities based on location using **Geoapify Places API**.



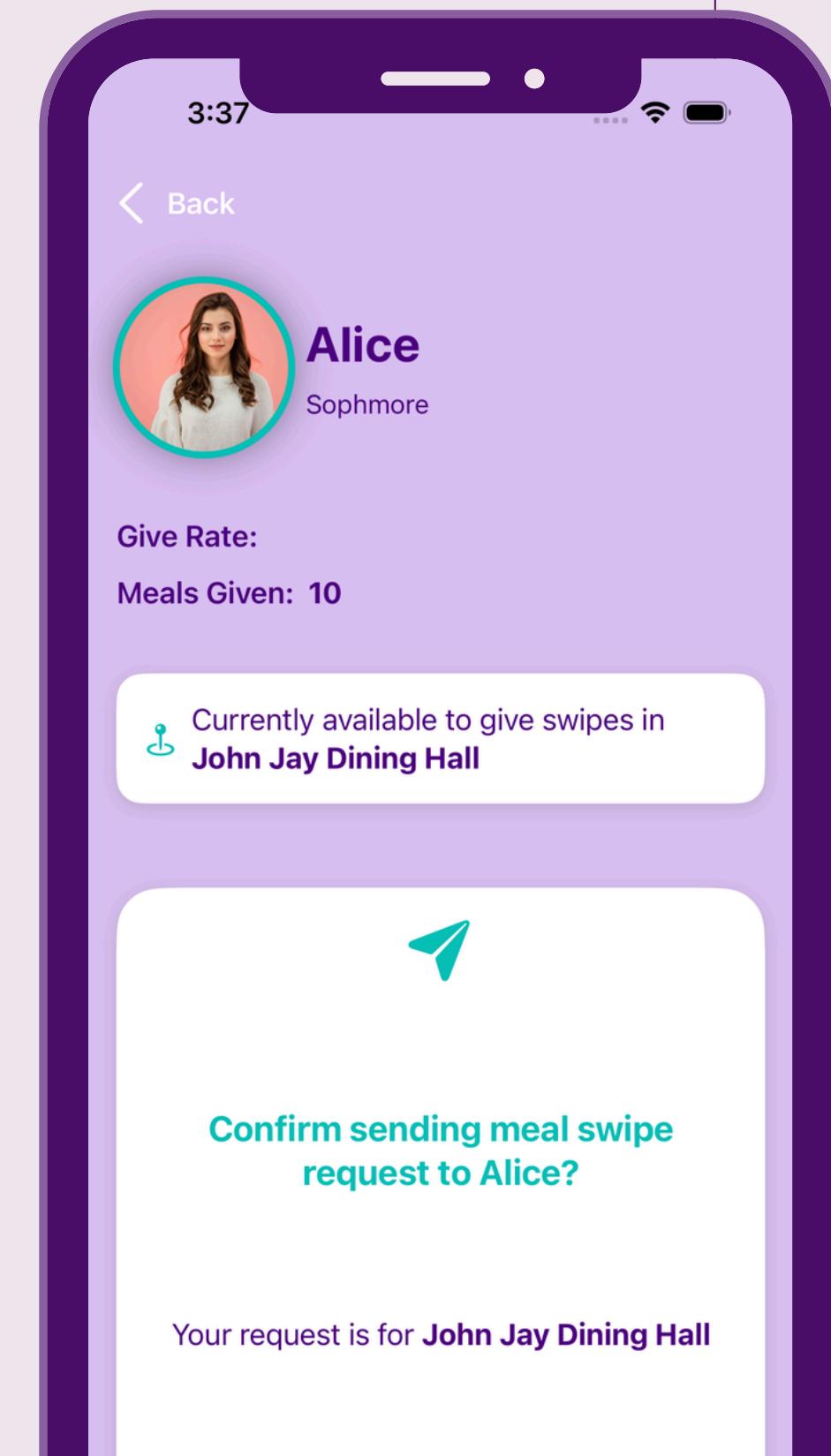
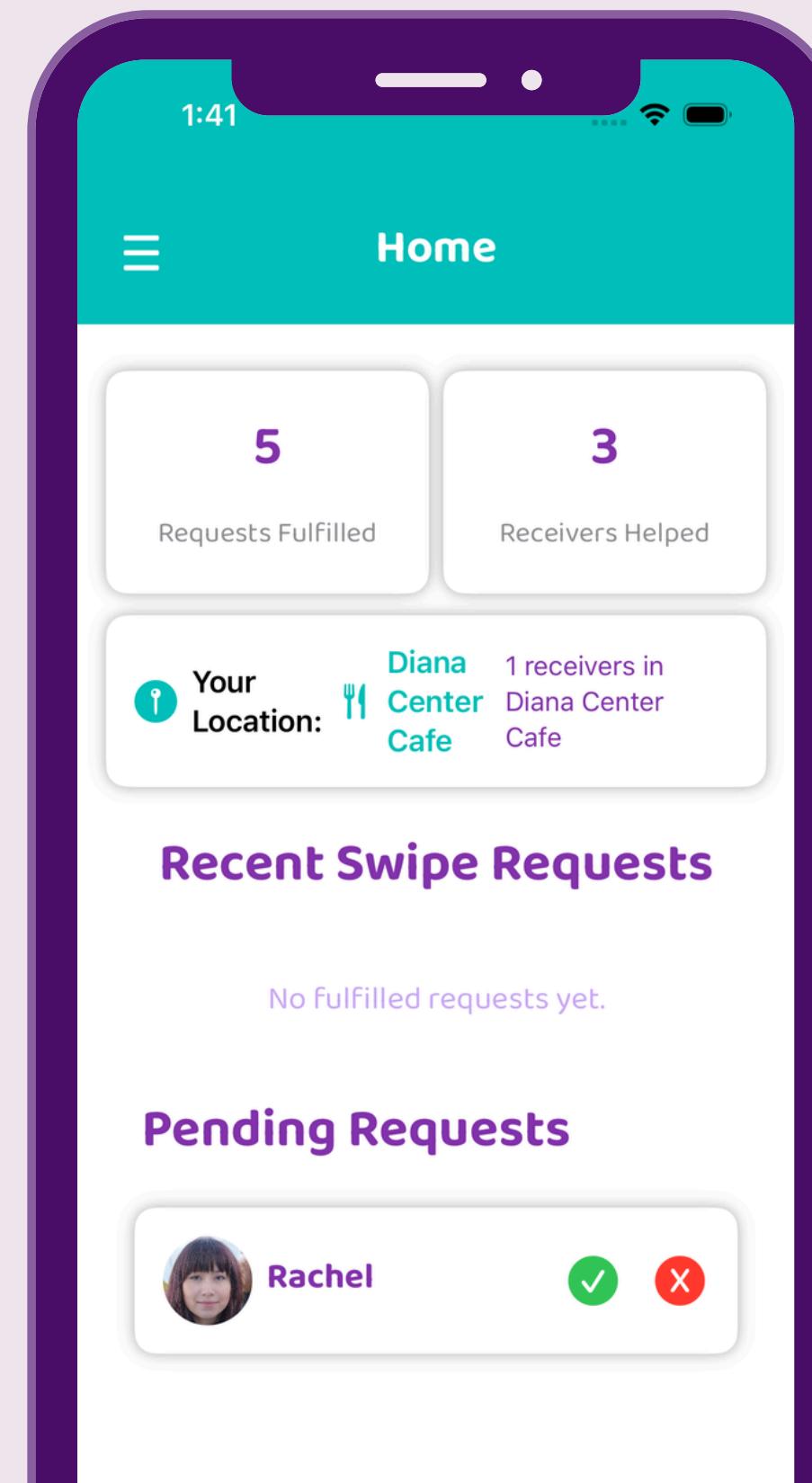
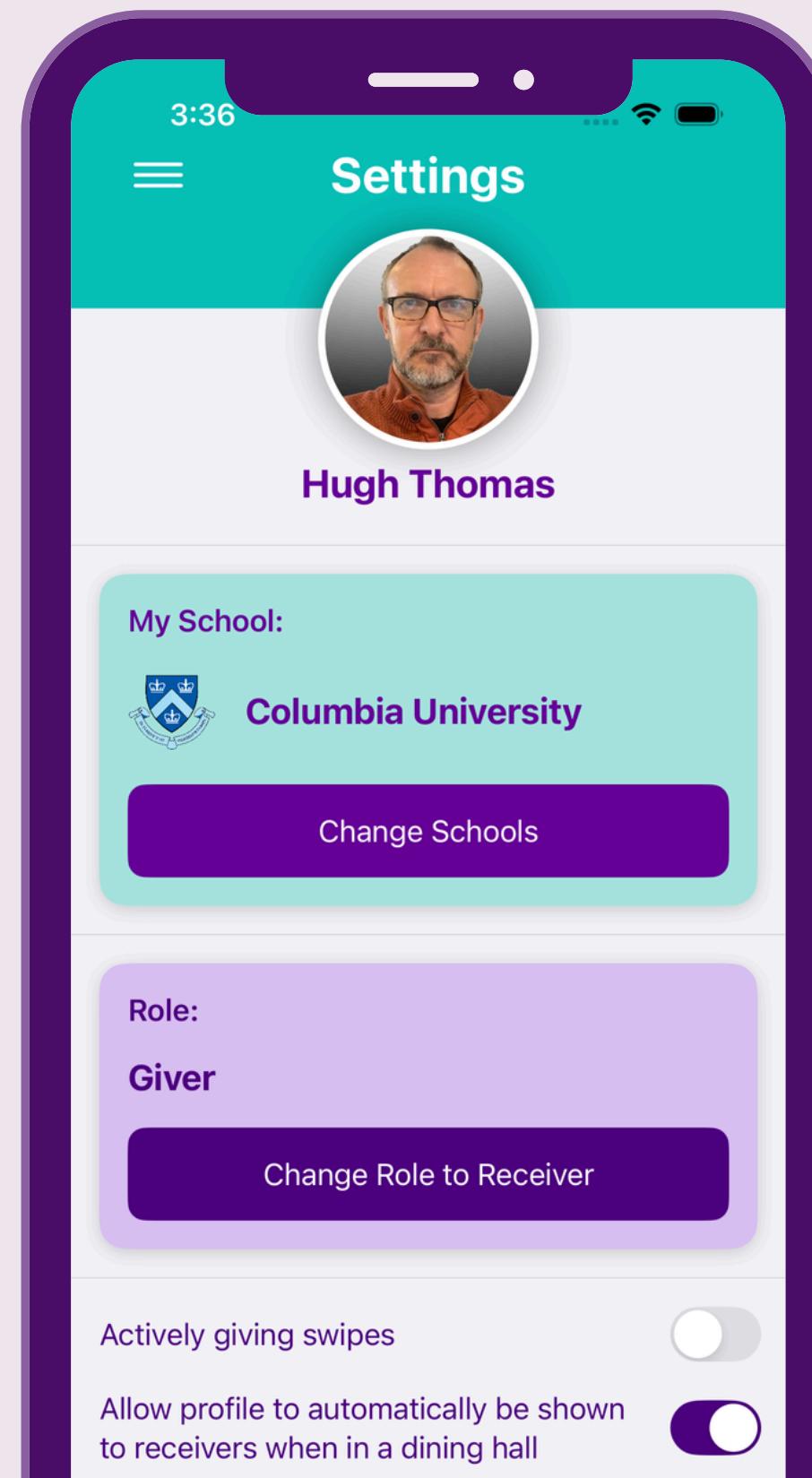
FILLING IN YOUR PROFILE

receiver



giver

SAMPLE GIVER PROFILES

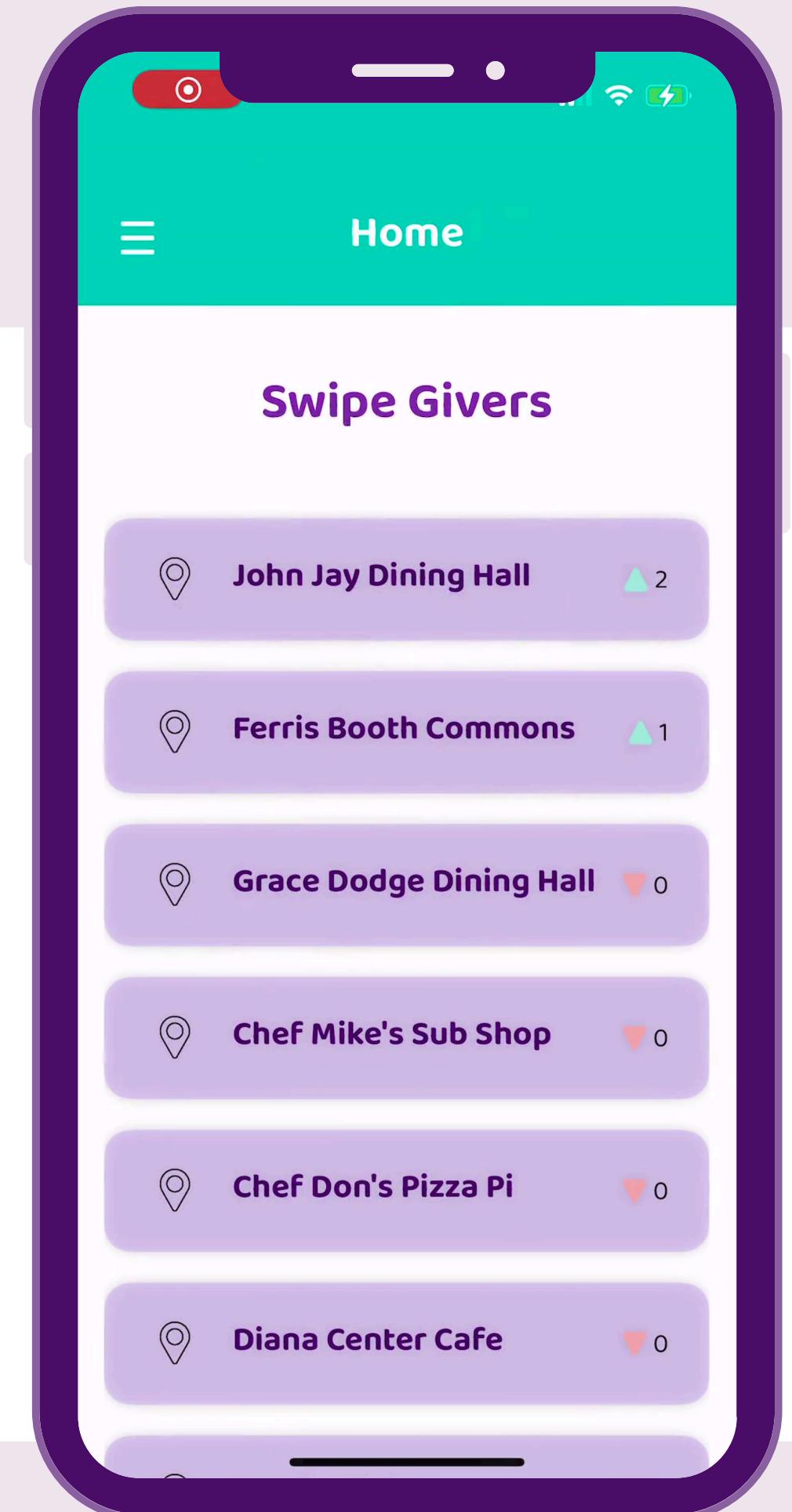


receiver
view

WHERE TO EAT?

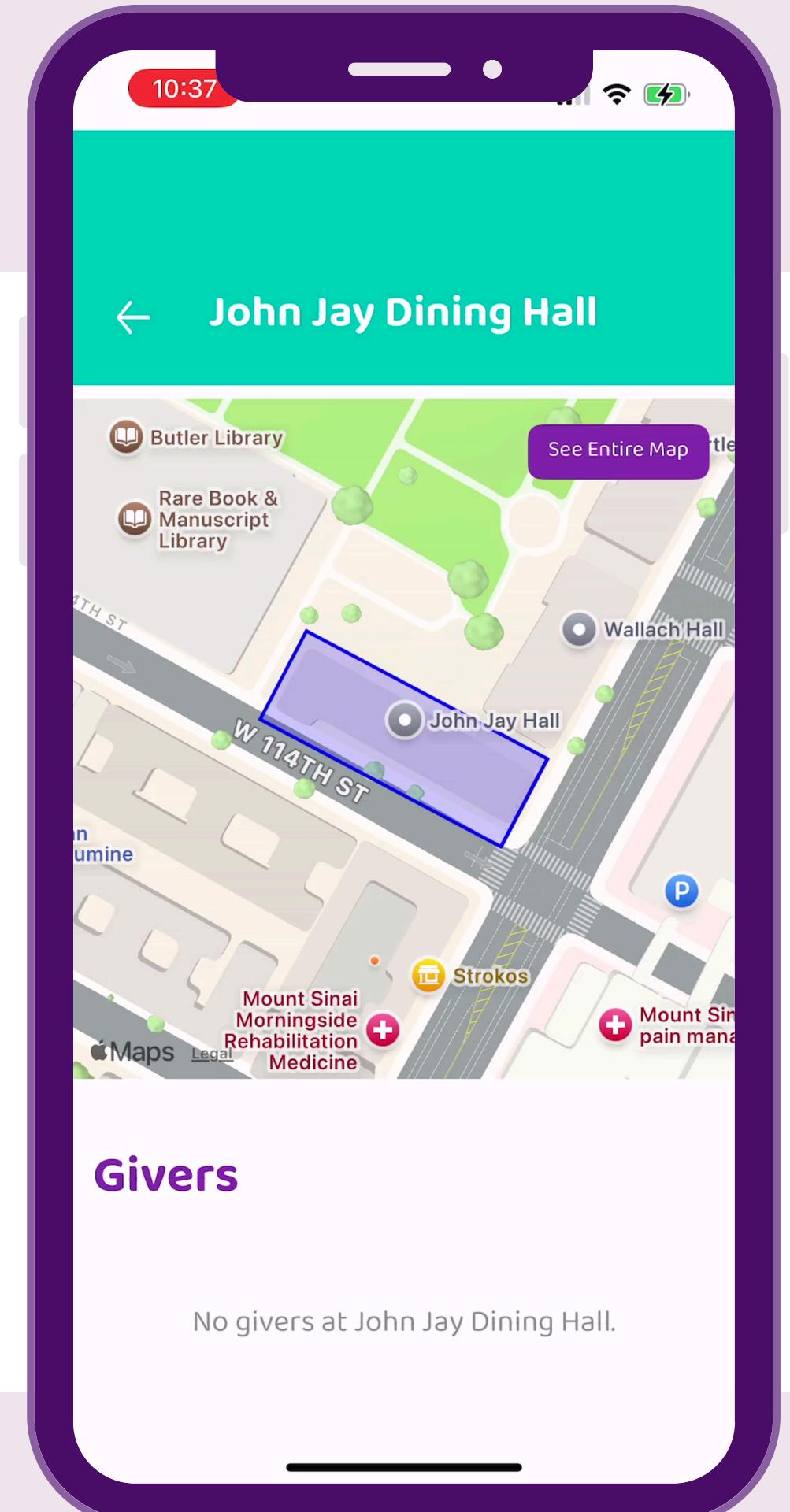
First, a receiver can browse through the campus dining halls, and see where there are givers located.

This feature will help inform the receivers decision regarding to where to eat.



AT THE DINING HALL

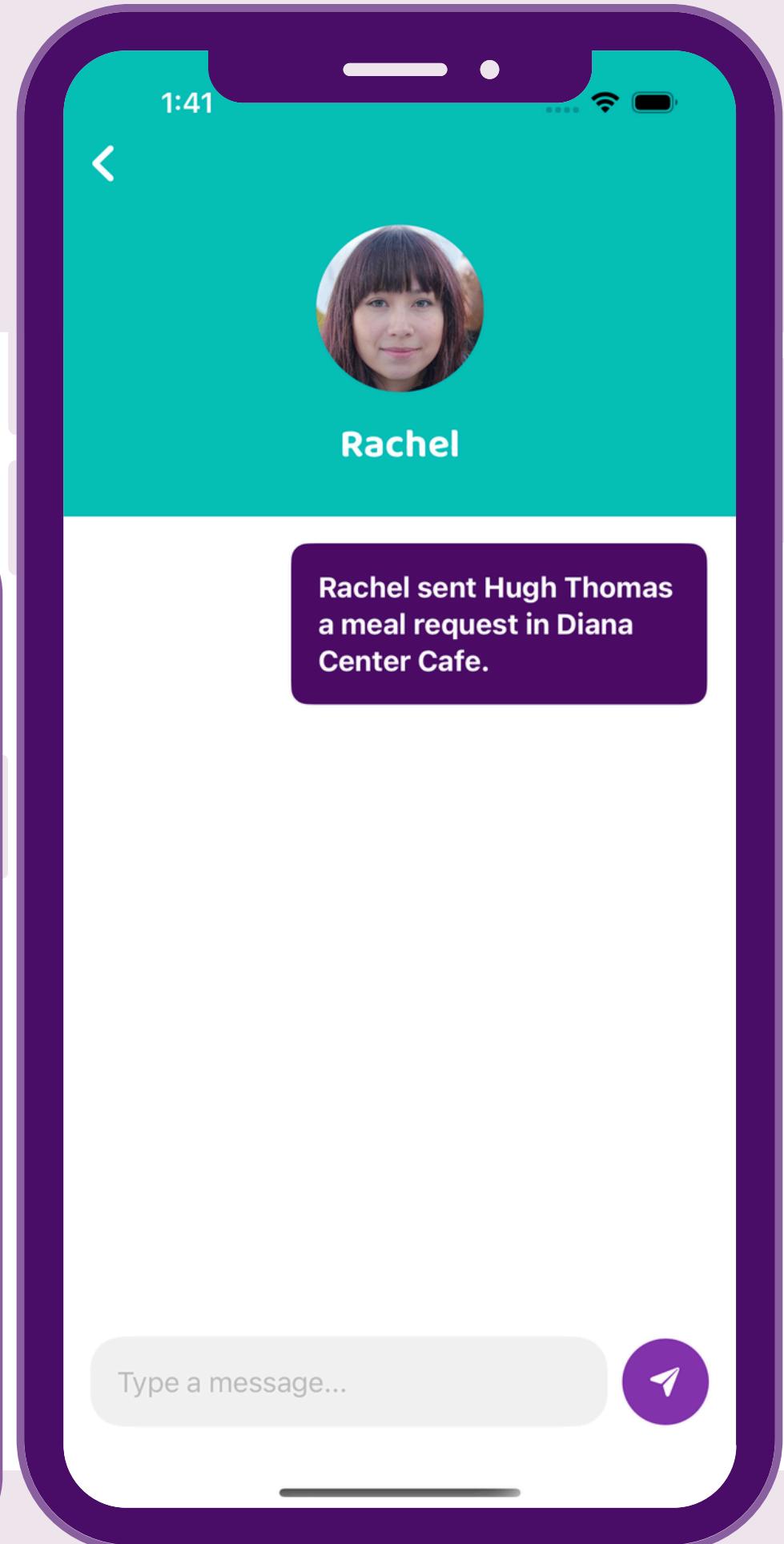
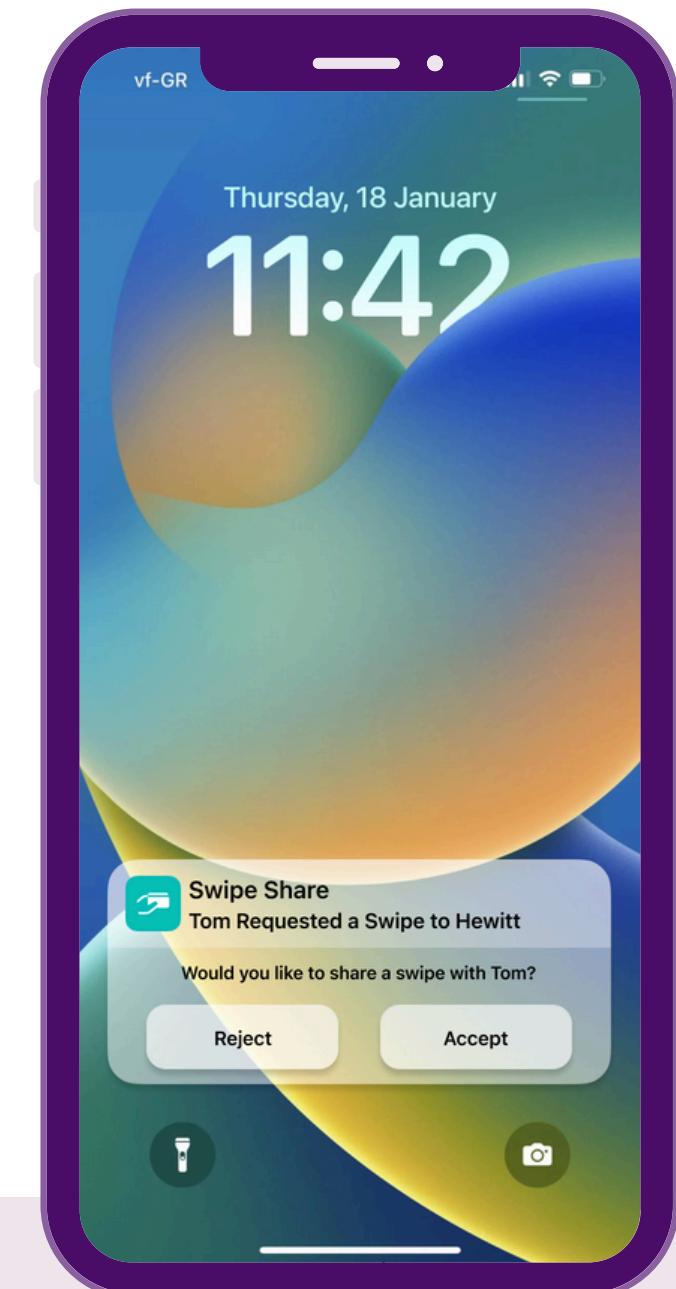
Once the receiver is in the dining hall, they can see the **giver** profiles in proximity, and request a swipe!



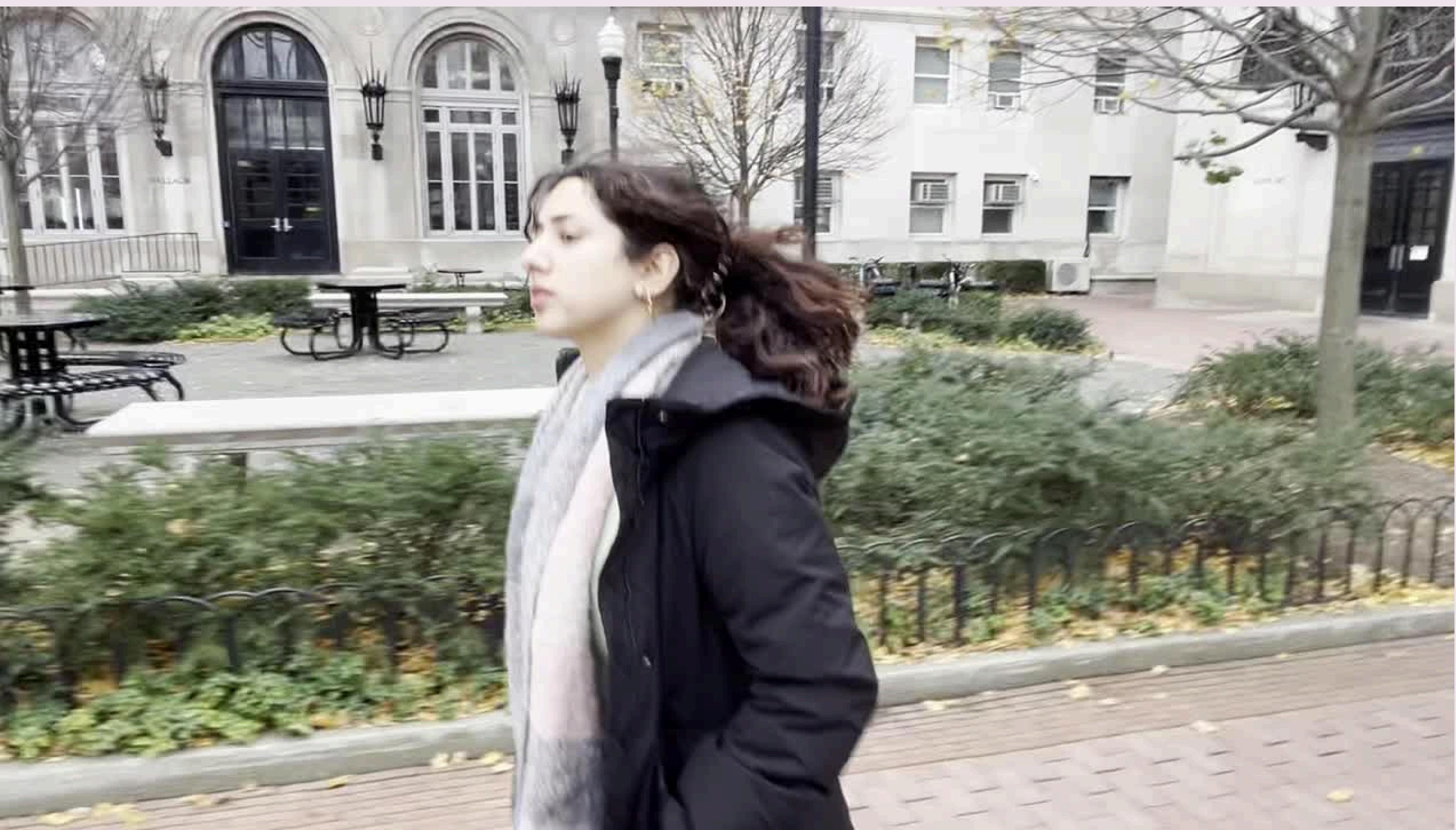
receiver
view

AT THE DINING HALL

The giver then receives the request and a chat is opened.



giver view



FUTURE DIRECTIONS

Expand to more colleges

Right now, we have a custom dining hall API for Columbia, but this product model could be easily expanded to other colleges! This would certainly be a goal for us.

Social media element

We'd love to add a social media page where students can share information about free food on campus. Whether it's leftover from events or clubs, users will be able to post a picture, drop a pin, and students will be able to find additional food near them.

Social-Swipe feature

Perhaps, since Freshman are often the givers and upperclassmen the receivers, a way to expand would be to take more personal interests into the user profiles. With this information, students can meet over a swipe and a shared interest! The swipe will allow these people to eat together and learn from each other. This could mirror a “big-little” kind of model.



**THANK
YOU**

