

Fix

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<https://github.com/lancedavenport/Fix>

[Link to Video](#)

<https://youtu.be/JsFZ7D3LsoM>

You HAVE permission to use the video to market the class

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CS407 Fall 2023 - Group Project

Introduction

What is your app? Brief overview of the problem your app aims to solve: Our app is a dating app that aims to remove the artificial nature of online dating. The goal of the app was to be a blind dating app where a user could give their friend permission to set them up on a blind date. The user would be notified if there was a match and would be put into an anonymous chat with their match to discuss plans to meet up.

The Need: Online dating is a toxic approach to dating that emphasizes the artificial aspects of connection.

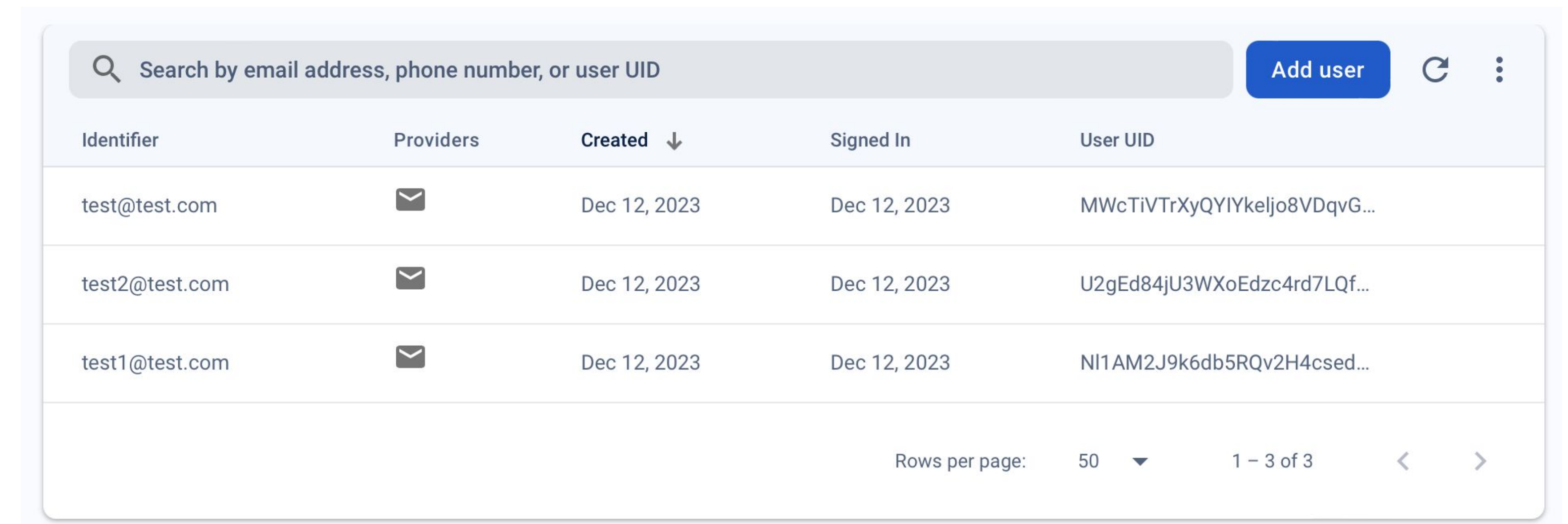
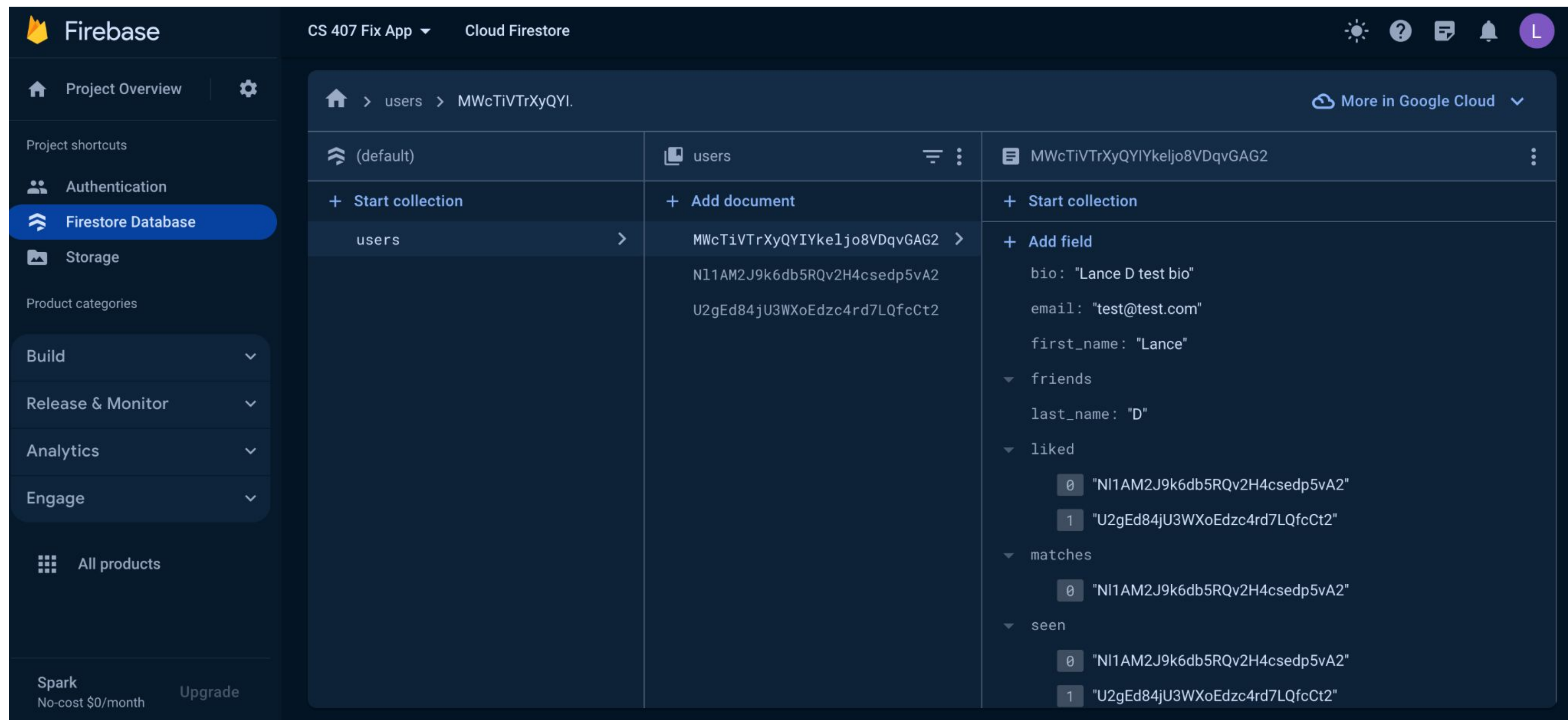
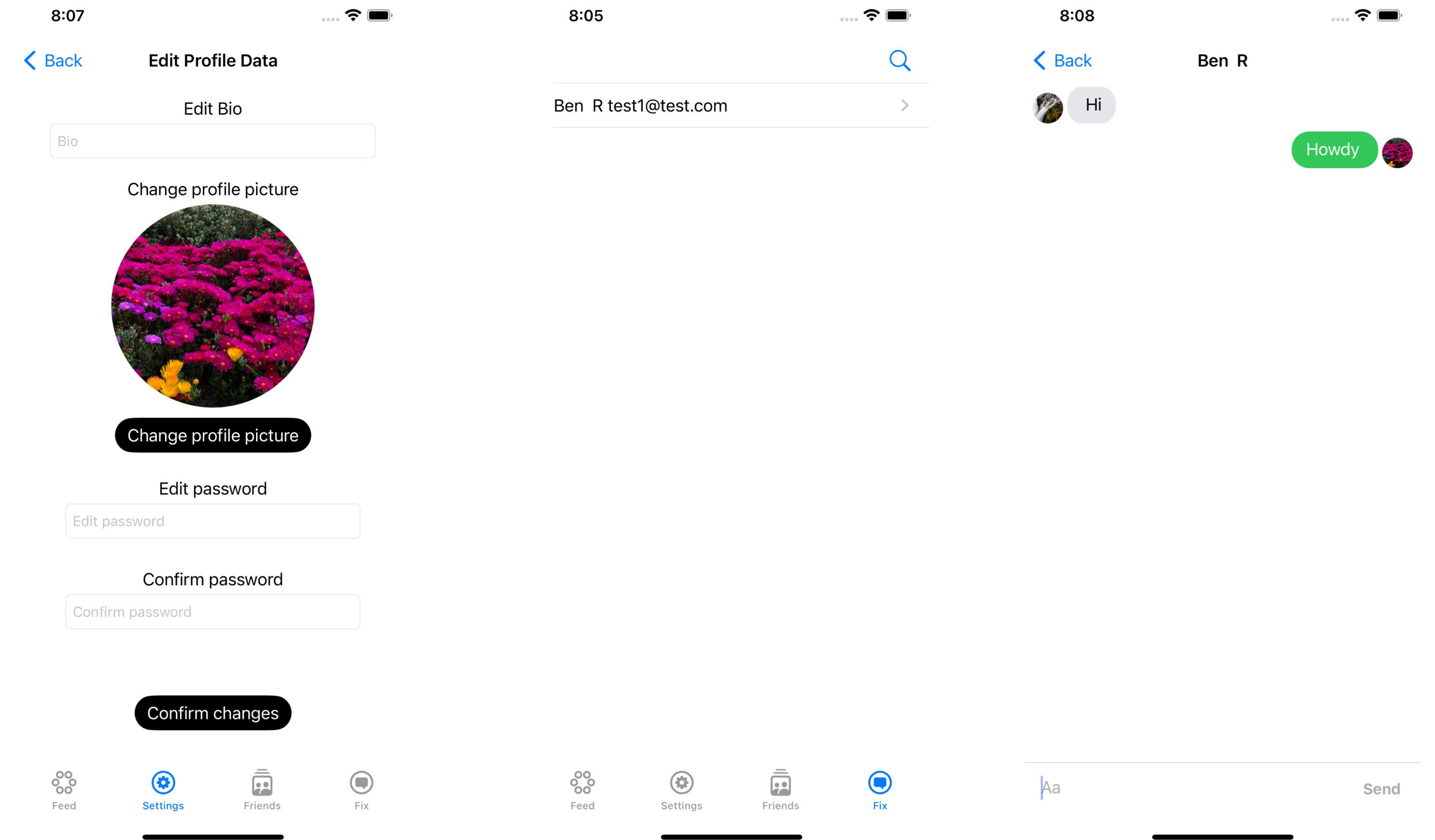
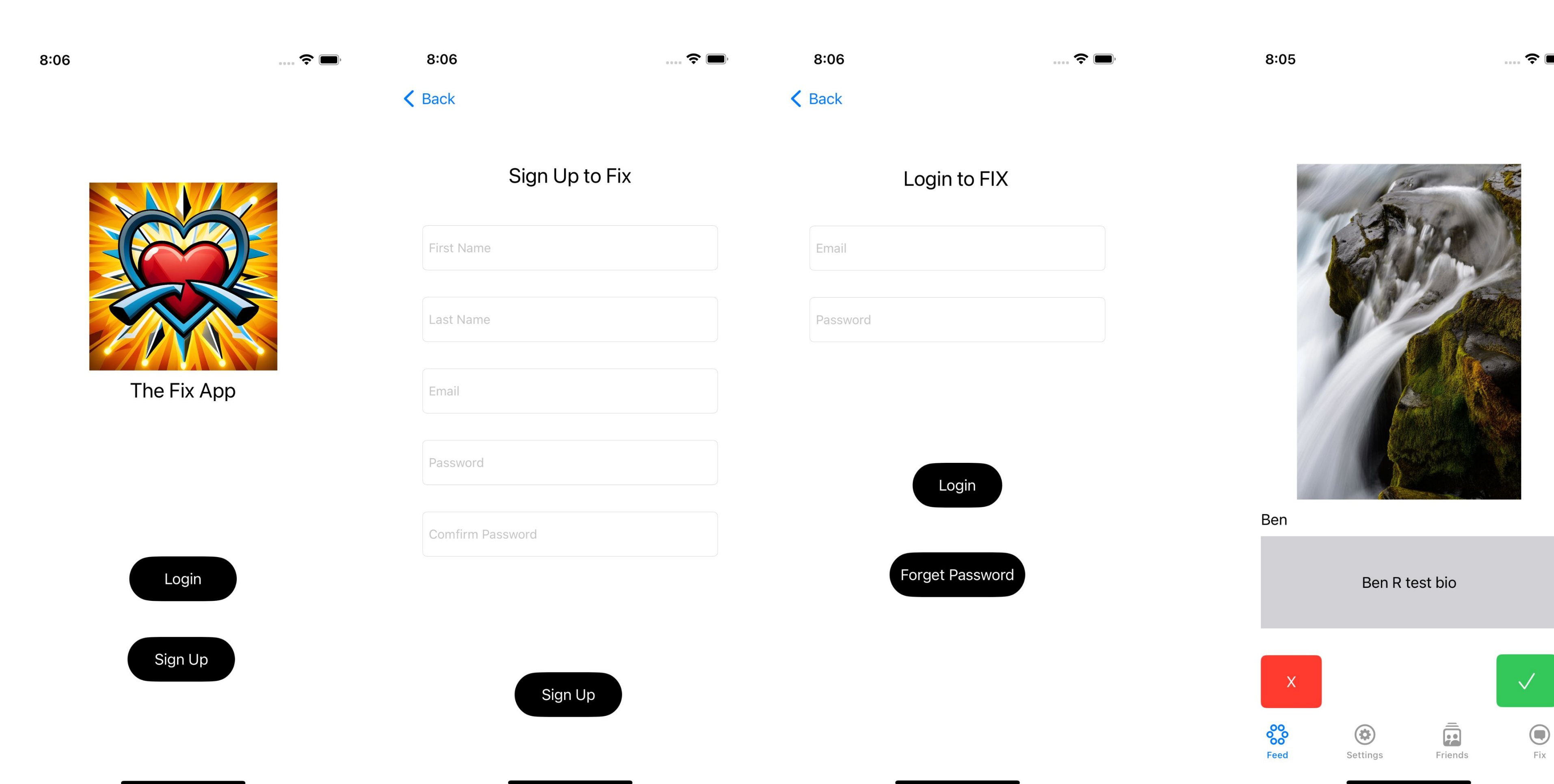
The Solution: Blind Dating app, where friends can set you up

Natural Users: 18 - 40 year olds, single (to be set up), or those who have single friends who need to be set up

Design: Key Features

- Seamless user signup form
- Easy user login and logout features
- Online data storage and real-time database
- In-App real time messaging between users
- Matching system in place between user swipes
- Easy user-friendly navigation between storyboards
- Safe and secure account deletion

Design: User Interface and Technology Stack



Development Team

Lance/Team Leader: Lance was the orchestrator of all communication in our team.

- Lance made sure that we were keeping eachother up to date.
- Planned zooms
- Ran group discussions
- Implemented user matching system and feed page
- Developed the user settings and edit user pages

Devin/Lead Programmer/Database Manager

- Set up Firebase
- Implemented signup and login
- Implemented Chat
- Taught the team about firebase

Ben/Team Player/App Tester

- Ben created the idea for the app
- Helped test the app
- Drew out a lot of the story boards
- Led implementation of friend feature

Brian Wu/Logo Designer/Proposal Writer

- Designed the logo for the app
- Helped write the proposal and github READMEs

Challenges and Solutions

Challenges:

- Figuring out how to integrate firebase into our app efficiently.
- Setting up a friends search page where you can search through all users and add as a friend.

This was a bug we couldn't figure out in time.

- Figuring out login / deleting users: using an “Extensions” file simplified not only usage of firebase (crating a databasemanager), but could simplify the rest of our code through creating a Users object that stores all users and user object that provides a simplified method of accessing user information.

- Figuring out data structure of how messages should be stored in database

- Dealing with asynchronous function calls

- Implementing a matching system where you would select a friend to match with someone (Reliant on friends list working)

Explain what features (from your original design --- Wireframes) had to be left OUT due to various reasons, if any

- We didn't end up getting to the match, tap, and GPS feature. We overestimated how complicated a dating app would be and the base elements took more time than we thought they would.

User Feedback/ Future Work

Any interesting things you want to report, or talk about next steps if any,

- In the future we hope to get the friends list working
- Once there, we can further implement the matching features and expand on the overall functionality of the app
- We can improve the overall vision of the app and beautify it
- We can improve security of user data
- We can improve code readability and clean code up
- We can improve performance and network usage
- Improve data storage and Firebase usage, decrease possible costs
- We can work on Swift

Useful Links

- <https://github.com/lancedavenport/Fix>
- [Link to the demo video of your app](#)