



# PartTimeFinder

## CS5520 - Mobile Application Development

<https://github.com/rahulschandak/PartTimeFinder>

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# What is PartTimeFinder?

- The main theme of PartTimeFinder is “students helping students”.
- PartTimeFinder is job search app designed to help students who prefer working part-time to balance their academic responsibilities while gaining practical work experience and earning extra income.
- Our app will resemble a community that will help finding on-campus or off-campus part-time jobs, particularly those often overlooked, like cashier or retail positions.
- Students will be able to search based on their location, post open roles they come across to help the community, track their application status, and see ratings and reviews of a particular job.
- The target audience for our app primarily consists of students seeking part-time employment opportunities that fit around their academic schedules.



# Initial Plans

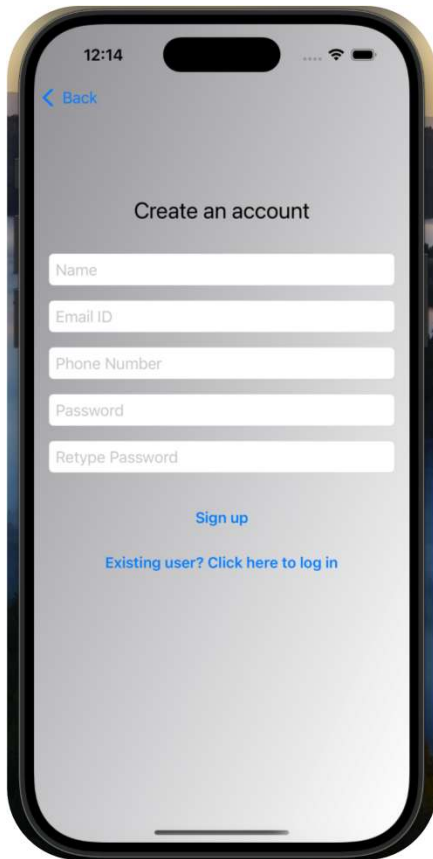
- The initial idea was to create an app where anyone could post job opportunities they came across.
- The platform would allow job seekers to browse and find jobs of interest while gathering relevant details.
- As development progressed, we identified the need for additional features, such as integrating Apple Maps to show how far a job is located.
- We also introduced a comments section to let users share their opinions, fostering discussion and building a community.



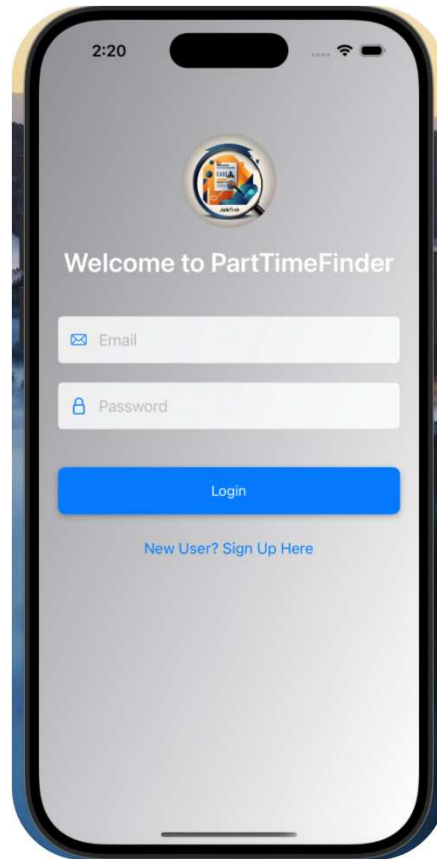


Finished  
Functionalities

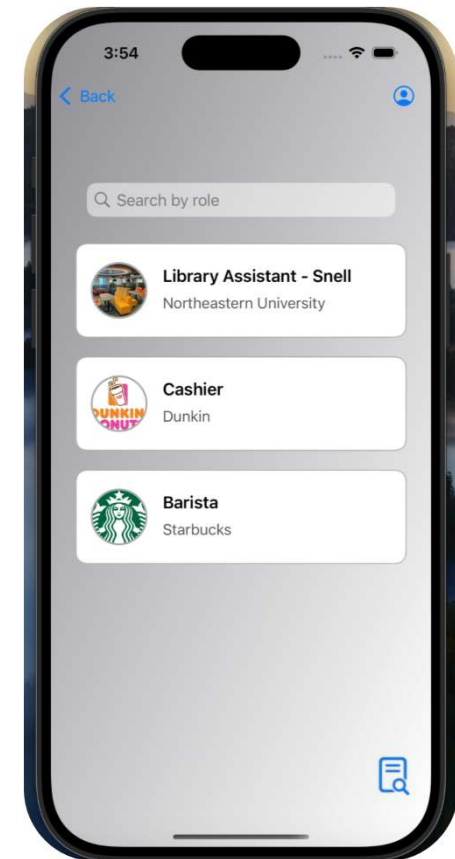




Sign Up Page

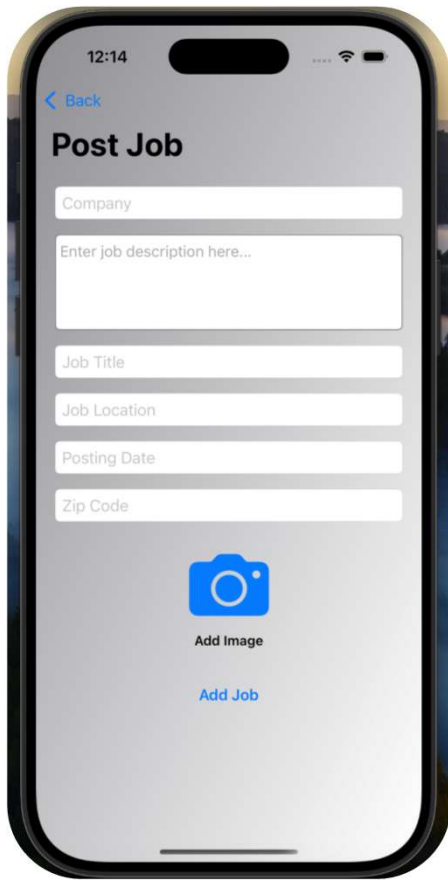


Login Page

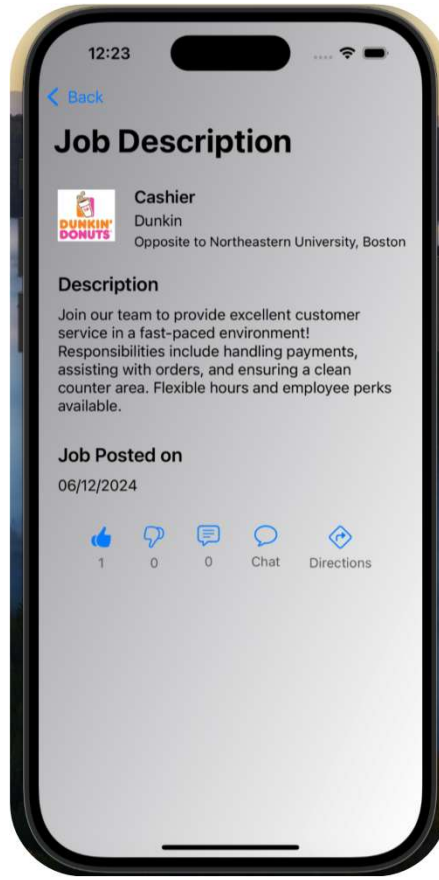


Home Page

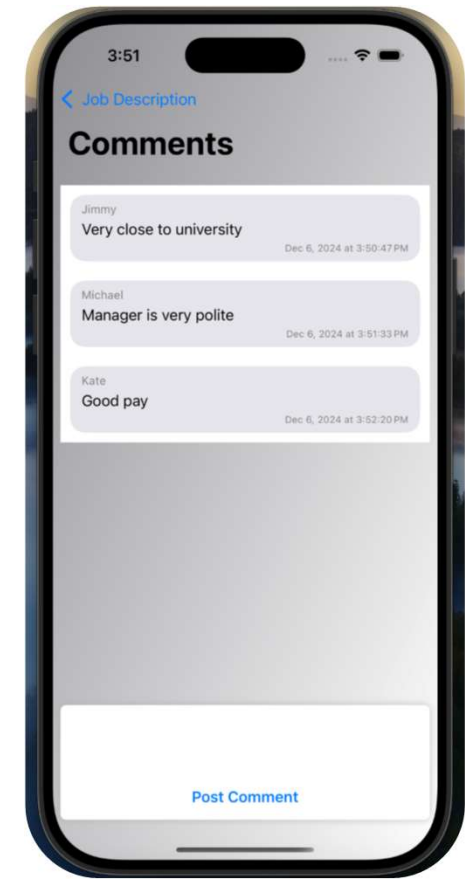




Job Posting Page



Job Description Page



Comments Page





## Learnings

- UIKit Framework
- System-level iOS programming using Swift
- Firebase Integration and Packages
- Creating and managing NoSQL databases
- Version Control with GitHub



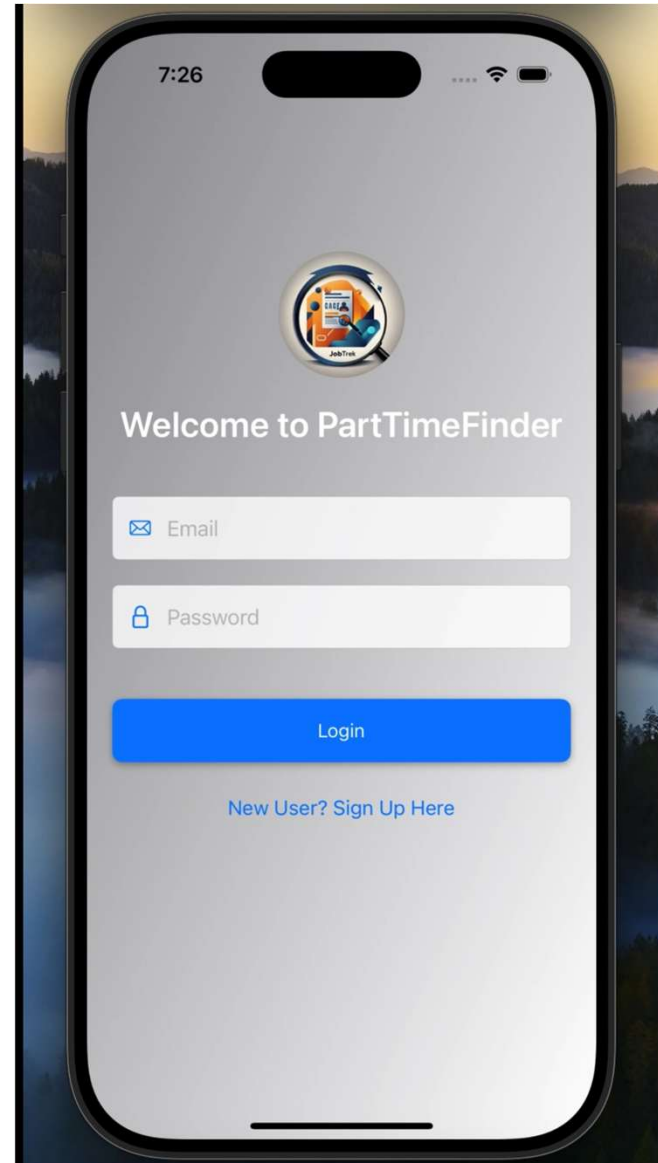
Firebase



# Demonstration

<https://www.youtube.com/watch?v=RM5k5r9eGGQ>

(For best experience please see this video on a mobile device)





# Difficulties faced

1

Working with  
UIKit  
framework

2

Alerting users  
on potential  
errors for all  
input fields

3

Minimizing  
database calls

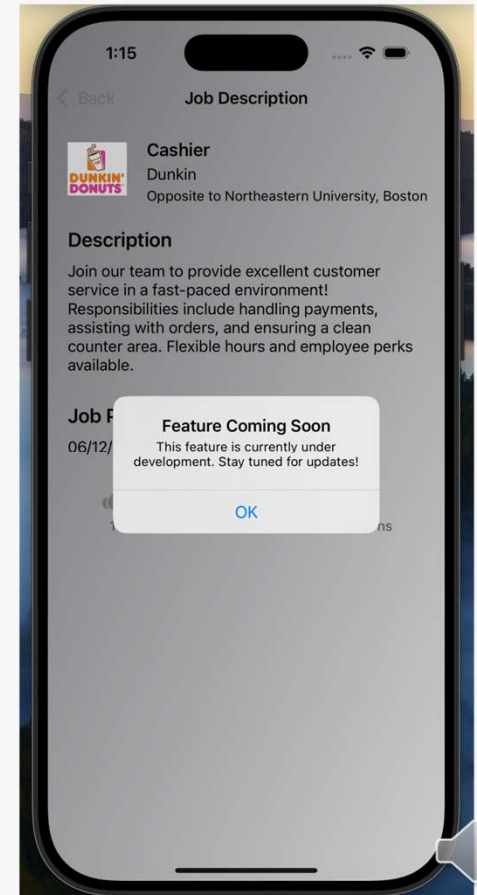
4

Solving merge  
conflicts



## Unfinished and future work

- Enable chat with the job poster.
- Sharing job across multiple platforms.
- Include login via SSO or other social media accounts.
- Improvise UI throughout the application.



# Overall reflection

- Native iOS application that aligns with real-world requirements
- Adapting to Firebase's NoSQL database structure required additional effort.
- Strengthened communication and teamwork.
- Improved project management and time management skills.

