

csc780 Final Project

My initial objective is to develop a social media platform for travelers to share their travel experience and get information about terrific travel locations and good prices. However, I gradually found out this is unreachable since the workload is heavy while I was developing on my own. So, I modified the project to afford three smaller services: currency conversion, activity scheduling, and map location. I also developed a signup/login page with Firebase auth. There is a home view to display static destination pictures and a profile view where the user can upload their own photo and edit profile information.

Reference Details:

Signup/Login:

I referred to a Youtube video (<https://www.youtube.com/watch?v=6b2WAePdiqA>) and Firebase documentation in installing the Firebase Auth package with both cocoapods and XCode add packages. I also referred to <https://www.youtube.com/watch?v=-cYLkXKNDJA> in building signup/login view with storyboard.

Home:

I referred to Youtube tutorials in building both vertical and horizontal scrollview to display the popular travel destinations and top 5 traveling counties. The referred videos are:

<https://www.youtube.com/watch?v=YyQI2RomvFE>

https://www.youtube.com/watch?v=g0_MLi-b5Tw

Currency:

I referred to week7 BartSchedule project in sending api request and handling api response I used the following exchange rates api for this project:

https://apilayer.com/marketplace/exchangerates_data-api?utm_source=apilayermarketplace&utm_medium=featured

Add activity:

I referred to week11 TaskApp with core data in developing activity and add activity view, and store user input data in core data ActivityEntity.

Map Location:

I referred to the following projects in making the map location view.

https://github.com/llmasdeu/TravelApp_iOS.git

<https://github.com/Fazil-Khan369/TravellingApp.git>

Profile:

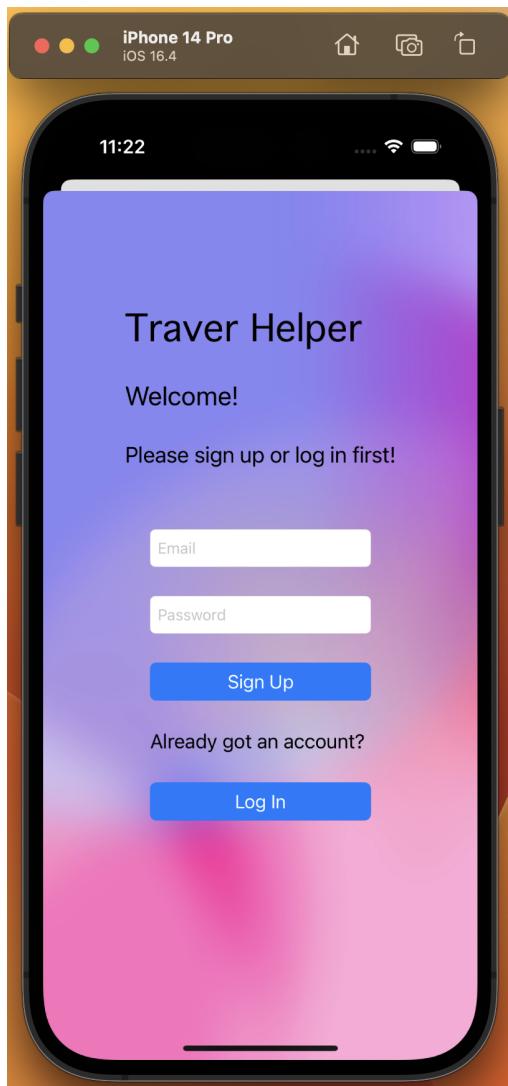
I referred to the following Youtube videos in building my own profile page and implemented the profile image uploading and profile info editing functions:

<https://www.youtube.com/watch?v=0rNyC9-8YEk&t=226s>

<https://www.youtube.com/watch?v=HGdS67UNBC4&t=614s>

How does my app looks:

1. Signup / Login: This page used Firebase Auth for user authentication. The user can sign up for a new account or log in with an existing account.

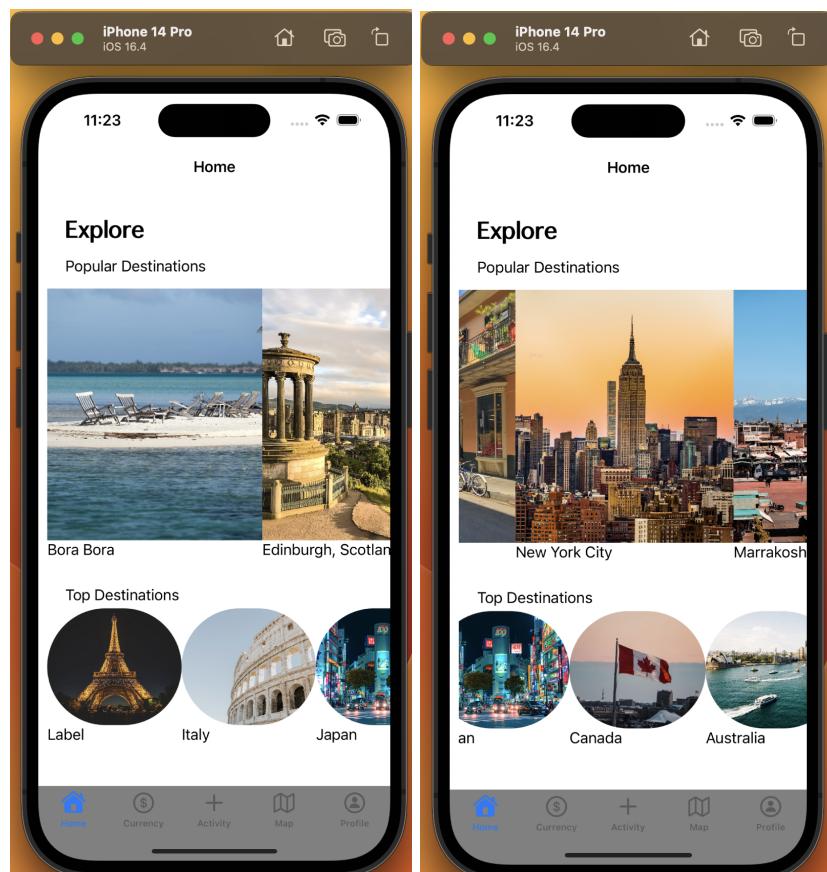


The screenshot shows the Firebase Authentication console under the 'Users' tab. It displays a table of user information with columns for Identifier, Providers, Created, Signed In, and User UID. The data includes:

Identifier	Providers	Created	Signed In	User UID
newyork@gmail.com	Email	May 17, 2023	May 17, 2023	OFI3qjfwbgbSvOv3ZeMelu8ZYk2
test2@gmail.com	Email	May 17, 2023	May 17, 2023	TLD1yzp0nhN03L2DLQ8xic8PZcu2
newtest@gmail.com	Email	May 17, 2023	May 17, 2023	O7oPxNPKzQ0cAYKNMTkS9ISXq...
newexample@gmail.com	Email	May 17, 2023	May 17, 2023	cZwgrf9DwHOv1eik9VkpZXApbIV2
example@gmail.com	Email	May 17, 2023	May 17, 2023	TKqMJ2PXXCWgD2Ytg2pYC57Xe...
qin2@gmail.com	Email	May 17, 2023	May 17, 2023	Q1jh65mlLudVtDTiCUkvYkoH4FQ2
example@gamil.com	Email	May 17, 2023	May 17, 2023	yTlt493ilGVVNCJt5geLGWnr1ky2

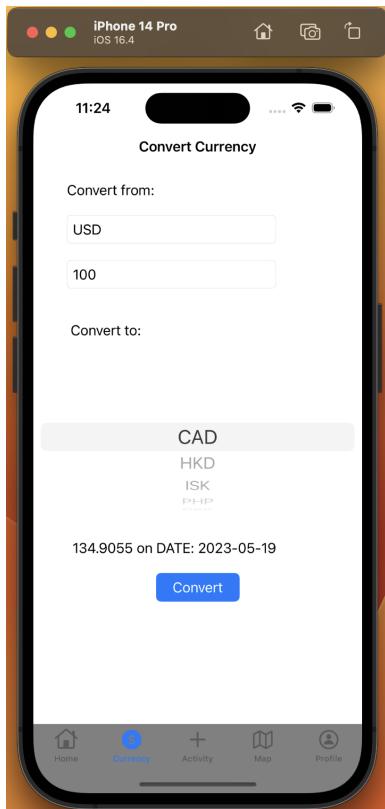
Existing accounts with password all as: **123456**

2. Home: Static showcase view with horizontal scroll view.

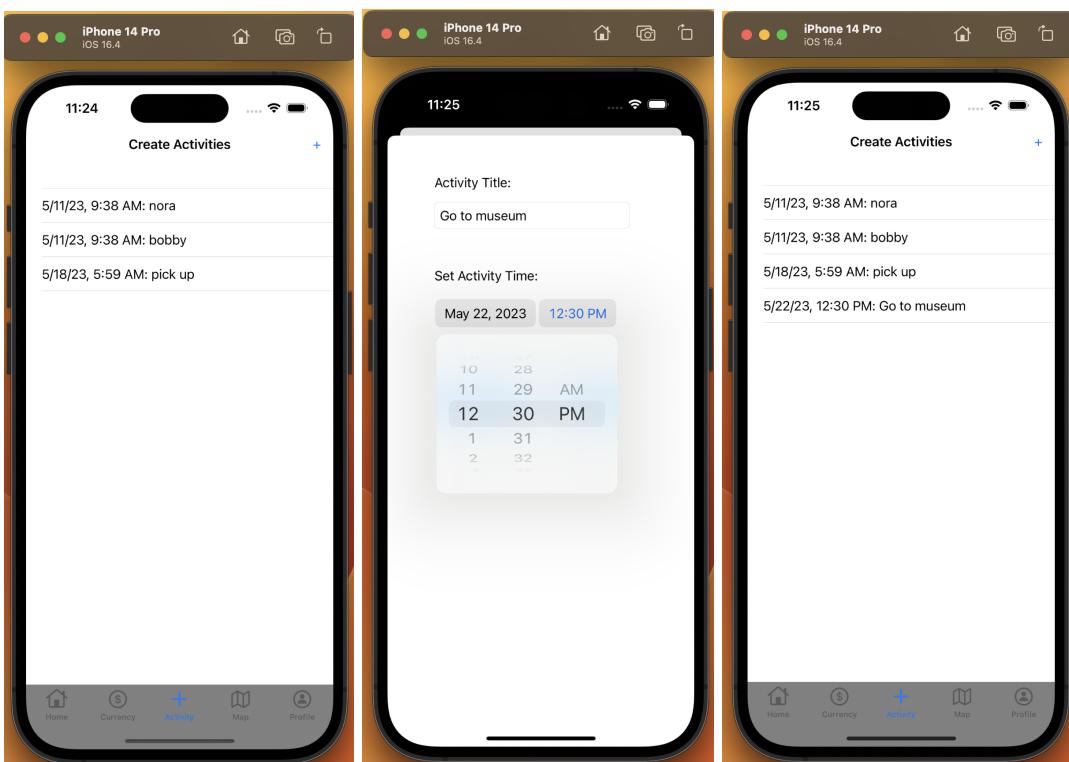


Name: Qin Geng
Student ID: 922361294

3. Convert Currency

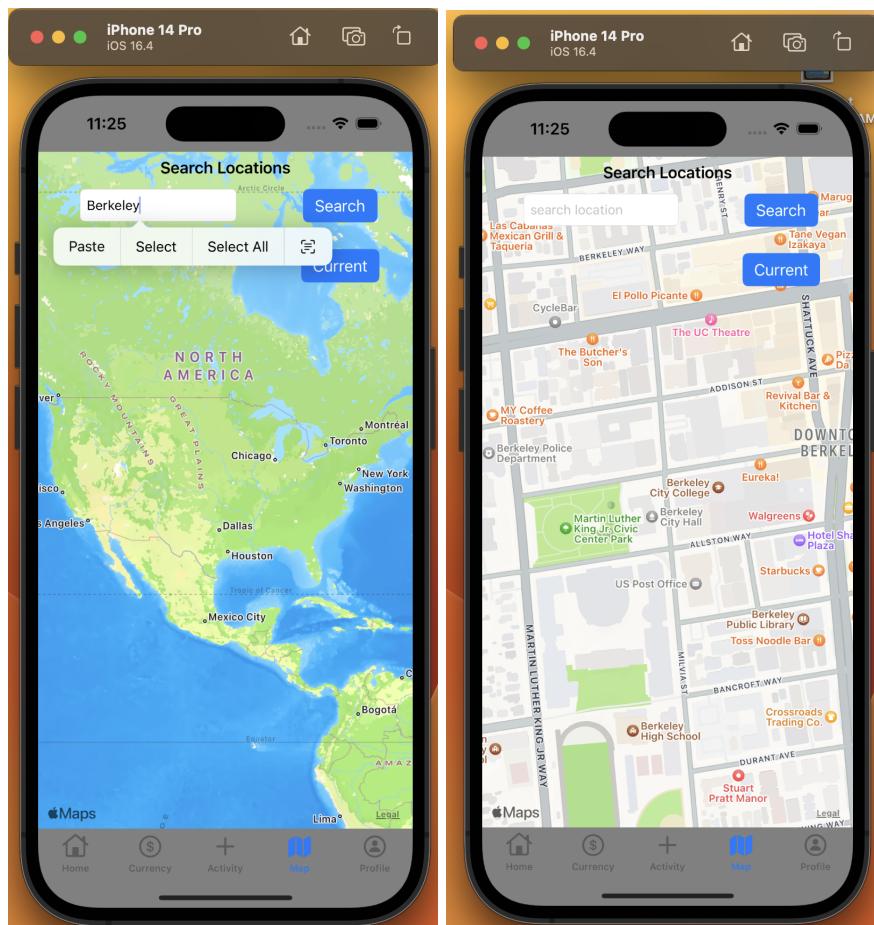


4. Add Activity



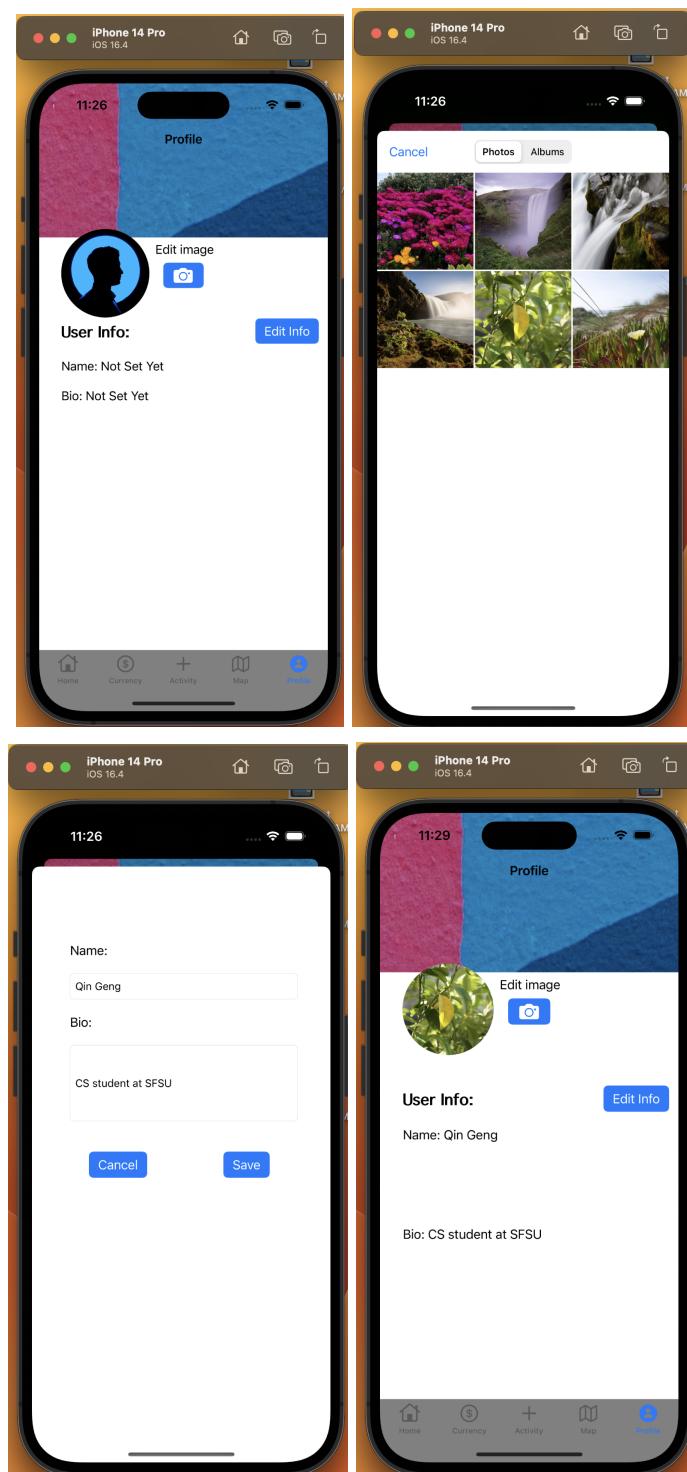
Name: Qin Geng
Student ID: 922361294

5. Map



Name: Qin Geng
Student ID: 922361294

6. Profile



At last, I met a lot of issues and bugs during the development of my TravelHelper App and ChatGPT helped a lot in debugging and solving my issues.