

Today I worked on creating the auth flow- the login/logout screens. I realized that I need to rework part of my code and create a stack navigator, so I worked on that. I linked my pages to the login screen and can login and log out! I am also creating a sign-up screen and working on linking that. YouTube videos really helped this process of learning how React works and it is satisfying to see that it is working immediately using Expo. I will enjoy working on the front-end part of the main project. Tomorrow I will work on the SQLite part- some team members have been having trouble with this so I will ask them.

<https://www.youtube.com/watch?v=1xu1eeRCPEk>

<https://www.youtube.com/watch?v=qeVym38-eoc>

<https://www.youtube.com/watch?v=0q3Jy0Zgzlw>

<https://reactnavigation.org/blog/2020/02/06/react-navigation-5.0.html>

2/21/2020 Development Log

I met up with my teammates today to try to figure out the SQLite problem- but in the end I couldn't get the backend part to work. Our team was a bit tentative about how our back end was to be made at first, so I tried mySQL, SQLite, and finally Firebase but all failed to link and the auth part of the project was a failure. I even tried using a Firebase starter from GitHub to see if it would link correctly and couldn't get that to work. So, I just filled out the pages with my information to simulate what users would see when they logged into their account.

https://www.youtube.com/watch?v=hGZX_SA7lYg

<https://docs.expo.io/versions/latest/sdk/sqlite/>

<https://www.youtube.com/watch?v=ZcaQJoXY-3Q>

<https://www.youtube.com/watch?v=pnBsuXTK8po>

<https://www.youtube.com/watch?v=pNZks2j2Qaw>

<https://github.com/ProProgramming101/expo-firebase-auth-starter>

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

Post Work:

I'm disappointed that I didn't manage to finish all the features for the app but, I think I did about the same as my teammates. When I left, they were still figuring out how to link the databases to the app, and they had prior experience with SQL and React Native before this exercise. Overall, I am proud of the work that I was able to accomplish, even though I couldn't finish the whole program.

If I started earlier, I may have been able to figure out the backend part of the program. I guess I underestimated the time and effort needed to understand SQL and how hard it was to link the frontend and backend together. If I could do this all over, I would have reached out to my teammates for help earlier with frontend stuff so we could all figure out the backend together.

I updated the readme for testing of my program. I will also paste it here for convenience.

To use, install Node.js and Git. Open Node.js cmd (on Windows) If you don't have Expo,

```
npm install expo-cli --global
```

Otherwise,

```
cd spikesp20
```

expo start

Scan QR code and enjoy!