Week 1:

Karate health looked into the programming of the FDA my studies application to see if they could use it for some of their projects and concluded that it was poorly designed. So we are reverting back to our progressive web application as our framework for the application. I have started working on making a survey and trying to get react native to work with mongo db. I plan on making a small prototype that allows a user to submit a sentence and using that prototype to build the survey part of our project.

Week 2:

Progress - Started development on RA_survey application using react native. Downloaded and installed all dependent software and have made prototype application that communicates with server and is deploy-able on my iphone. Also meet with chase on Wednesday to discuss progress

Problems - we had to adjust our timeline and re plain due to the my studies application being a failure.

Plans - continue development

Week 3:

Progress - added server communication and camera feature to the application. Changed the survey to pull questions from survey.

Problem - styling is going to be an issue and I'll need some guidance on how the application should look as well as icon picture.

Plan - add the ability to send survey results and pictures to the server. Add styling to the pages so it looks good and more features for user convince.

Week 4:

Talked with Karate Health about our project, problems, and progress. I got some insight on how I'm going to format the UI and hopefully make it intuitive for the user. I also signed is up for our board meeting with another group. I also continued working on the application and added the ability to take photos using the application.

Next I need to have the photos be able to be sent back to the server. I also need to make an interactive picture that users can use to select swollen joints in their hand.

No major problems at the moment, I know that my other group members are struggling to get the hardware for us to start training and building our neural network so I probably should contribute to solving that problem.

Week 5:

Progress: We meet and did our poster review and got some good feedback on how to improve it. I worked on the app and added a inflamed joint hand selecter. We also got access to AWS so that's a big plus for our group as chase and ethan were really conserend about being to run their code.

Plan: continue work on application and finalize the survey part of our application. Add some styling to make it look nice and add a user agreement.

Problems; I had problems with getting graphics to work with expo however I overcame it by using a svg which will work perfectly for us. Also I had a problem running tha application on Oregon state servers so I will need to find a work around when it comes time to demo the app at expo.

Week 6:

Progress: Did a lot of styling to the application trying to nail down the color scheme as well as the overall structure of the application. Add a bunch of icons and made consistent buttons for all screens.

Problems: Needed to setup server so I can start testing out how to send data from application to a server.

Plans: Start working on post command for application so that it can send data to a server.

Week 7:

Progress: added question popups so that users are informed on how we want them to use our application. Looked into adding a recycler view for our submissions feed. Also cleaned up more code and got it running on both ios and android. Met with Karate health to talk about progress.

Problems: recycler view may be different as react doesn't have a built in recycler view. I looked at a third party implementation that seemed to work.

Plan: add recycler view and user agreement on submission. Clean up code more. Add text formatting so it looks nice.

Week 8:

Progress: Added cover screen for survey and a user agreement on our submission screen. Also added About screen and started working on list display for past submissions on our home screen. Did more styling and code clean up.

Problems: Styling for Android is a little off so I need to work on making the styling fit every type of device.

Plans: continue working on adding list display for our submissions screen and add informational content to our drop down informational menu. Adjust styling to fit Android screens.

Week 9:

Progress - did a lot of formatting so that the application looks good and works on both IOS and Android devices. Added a bunch of icons to match the utility of each screen stack. For instance added survey clipboard icon on tab navigation. On home screen created a list view that loads a JSON data and displays it in a intractable way. Added actual substantive sentences to different screens so that it's not copy and pasted gibberish. Started working on and looking into server to send and receive photos.

Poblems - Photo sending was a little tough to figure out but I overcame it with a couple of tutorials. Also ran into problem with text fonts for android and ios. Android doesn't have Helvetica a classic universal font so I had add device specific fonts for Android and Ios devices.

Plans - make and build test server to receive data from the app and display it on a webpage.

Week 10:

Progress - worked a lot on the server it is able to recieve photos from the application and locally store them. I also had a meeting with my group where we discussed progress and finializing our projext. We connected my server with the network so know it is able to send photos to the neural network and process them.

Problems - the current why we send photos needs to be tweeked to be more reliable. We are going to have to adjust the server of the neural network to be more robust.

Plan- work more on server finialize project for expo over spring break.