

Brandan Gianni
Honors Thesis 402
September 13, 2021

FOURTH STATUS REPORT UPDATE

What did you do the past week?

- I was able to set up the CMPedometer on the application in the directions page, so it should show the adequate steps someone takes. I currently have it set up for the current day only, so the step counter should reset after every single day. I also had to utilize the Health Kit function to explicitly gain this information, as steps taken are displayed in the health kit app that comes with most iphones.
- I also started to improve the application graphically from where it was before, and started to switch all of the information that I was passing away from simple strings and into the actual vertices that need to be passed.

What did you accomplish/struggle with

- Setting up the CMPedometer was a bit trickier than I initially anticipated. Many of the tutorials that I personally saw for setting up CMPedometer were all in SwiftUI, which is a different way of creating mobile applications than what I am currently using. I had to take the information that everyone was pushing forward, and convert that myself into my own style of code. It worked out, but god was it tricky.
- There are some errors surrounding the passing of vertices, specifically from the actual tables to the next view controller. I changed both sides of the segue so that it should adequately pass that information back and forth, but for some reason I'm getting a bit of an error passing everything. It's probably a stupid error keep in mind but it's still an issue that i am seeing.

What are you planning to do the following week

- Create a custom table cell that will allow me to pass vertices easily. With this custom table cell, it should alleviate any potential errors that I have in passing a vertex variable to another viewcontroller, once this is figured out, passing everything should be a cakewalk, but still it is necessary to fix a couple of issues that I had surrounding the passing of information.
- Figure out a way to make the CMPedometer function work instantaneously. What I currently have set up right now does allow individuals to see their step counter for the day (so it resets after every day). So, figure out a way to make sure that these steps are being updated regularly and no one is being left in the dust.
- Continue to debug the application and improve it graphically