

Brandan Gianni
Honors Thesis 402
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FIFTH STATUS REPORT UPDATE

What did you do the past week?

- Last week I was able to set up the CMPedometer, this week I was able to get the CMPedometer to constantly update while in frame. Although I was initially thinking that we had to use a timer in order to adequately gain information, from my own research, apparently with the right setup you are able to get the CMPedometer to actually update on its own in the background, which is what I went for
- I created the custom table view cell for the tables necessary. In these tables, I can easily store the information I need to ensure that each cell in the table not only looks put together, but that information regarding floors, room numbers, and the actual vertices surrounding the cells can all be put in one place
- I continued to update the program here and there, to the point where I feel comfortable starting to focus on the UI and the debugging phase so I don't miss any errors.
- I also updated the step counter for the adjacency list, changing the weights to adequately show the number of steps from one room to another. What I noticed was that the layout of the floors were identical, so mapping out one floor maps out every other floor.

What did you accomplish/struggle with?

- In terms of the actual table, in a separate project of mine, I was able to use the custom table cell to easily align the information needed. While I was able to create the custom table view cell, it led me to the realization that I had to restructure the actual table view controller to match each separate floor and the different opportunities. I was planning on doing this this week as well as everything else, but an extremely personal event happened and took me out of it. I'll explain it to you when we meet in person today.
- I am so happy I got the CMPedometer working. Initially I did have a timer set up and everything else. However, while I was looking up specific ways to implement it, I found a test application that explains how you can get CMPedometer to run in the background without the use of a timer function. And it did indeed work, saving myself a huge migraine in the process in terms of preventing lag.

What are you planning to do the following week?

- Update the tableview controller to use the custom table view cell, which pretty much means overhaul the view controller for both tables.
- Start the debugging process for the application, improve the UI of the application, and if any issues arise, fix it. I don't exactly know how else to phrase it, but that's pretty much the bulk of what is going to happen through October.
- Start to outline my actual thesis: Look at the thesis examples that Dr. Korpan gave me a guideline.