

Brandan Gianni  
Honors 402  
October 11, 2021

## SEVENTH THESIS UPDATE

What did you do this past week?

- I started to gather data for my thesis project, keeping track of the amount of steps it takes with the pedometer to go from one room to another, and then comparing that with the adjacency graph path. I have those results written down after I took them. What I did was take six separate paths and walked along the best path. Once I reached the end, I looked at my pedometer and read the number that the application ended up.
- I looked up the sources and previous thesis projects that Dr. Korpan sent me and developed an outline for my own thesis project. I wanted to go into detail with my outline compared to what others in the thesis did, so I tried to break it up as much as I could
- I tried to edit the application a bit more to make it completely autonomous and prevent myself from having to hard code everything in.

What did you accomplish/struggle with?

- I STILL. CAN'T GET. THE SECOND TABLE TO UPDATE. The code is almost literally identical to the other table I created, which works perfectly fine. The vertex passes easily, there's no issues. But for some reason the other table which should take you straight to directions, I can't figure out the reason why the segway is not happening. It's honestly frustrating.
- I noticed that when testing the application the amount of steps does not equate to distance. If I walk a bit faster or a bit slower, it can alter how many steps I need to take to go from one destination to another. Moreover, there seems to be an issue with the stairs and the transition between the hallways and the staircase. However, other than the entrance route, which is completely whacked up somewhere, everything else is in between a couple of steps.
- This isn't a specific issue, but more so something I wanted to bring up. We were informed that North Hall was going to be opening back up one of the elevators. Because I set the elevators to 1000 in the adjacency graph, they will never be selected, but if I set up the adjacency graph, I am slightly confused as to how I can implement that.

What are you planning on doing the following week?

- FIX. THIS STUPID TABLE.
- Test out the data with the system that I had set up, creating more paths so I can more accurately get a comprehensive picture of the application in general
- Start to compose the thesis, update the outline as well if it is necessary.
- Update the Adjacency Graph to include the elevator if it comes back up in time