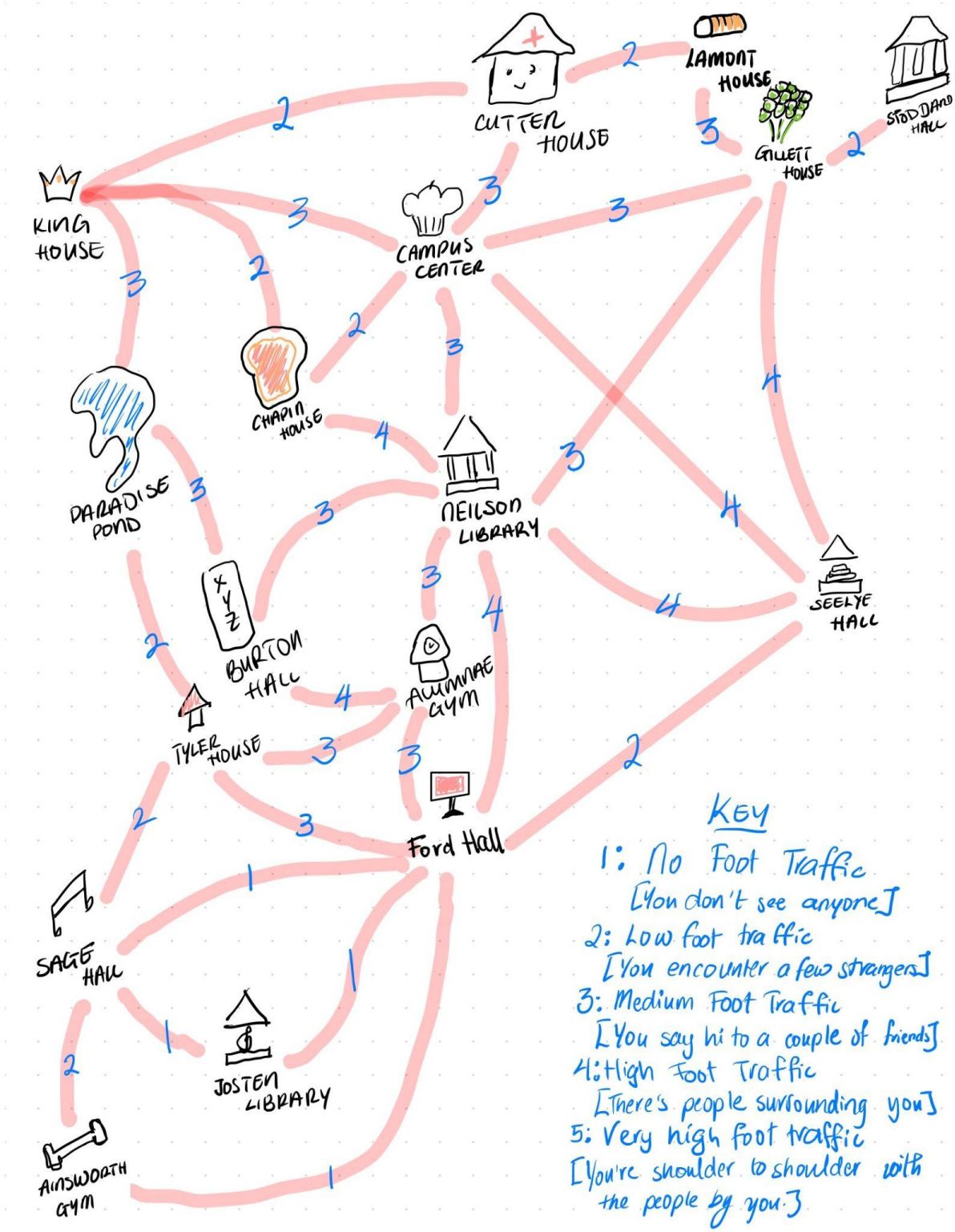
Names: Jessica Klurfeld and Michelle Lawson
Peers: N/A
References: N/A



Write a short paragraph introducing your graph and explaining what the nodes, edges, and weights represent. Give the min and max weight and any criteria you used to determine the weights. Additionally, how did you choose which places to select as nodes?

The weights of the graph of the campus represents how much foot traffic there is on each path between each building we chose on campus specifically when everyone is walking to class after lunch (from 1:10 pm to 1:20 pm on Tuesdays through Fridays). Each node in our graph represents a building on campus. We chose the sixteen buildings that we go to most frequently, which include a variety of types of buildings such as academic buildings, dining halls, houses, and libraries. We thought it would be most interesting and useful to show what the foot traffic is after lunch, because the campus always seems so empty at other times. We determined the weights using a scale from one to five and more details about each weight is in the picture of the graph, and also in the Appendix. Although our max weight is five, it's not seen on the map, because Smith College never gets that crowded, but we wanted to include it so that our rating system may be applied to other college campuses.

Shortest paths that we tested in Part #2:

Starting Point	Ending Point	Weight	Shortest Path
Gym	Sage	2	['Gym', 'Sage']
Ford	Cutter	9	['Ford', 'Seelye', 'Campus Center', 'Cutter']
Ford	King	8	['Ford', 'Tyler', 'Paradise Pond', 'King']
King	Lamont	4	['King', 'Cutter', 'Lamont']
Sage	Lamont	10	['Sage', 'Ford', 'Seelye', 'Gillett', 'Lamont']

<u>Appendix:</u>

Weight Keys:

1 - No foot traffic

2 - Low foot traffic
3 - Medium foot traffic
4 - High foot traffic
5 - Very high foot traffic