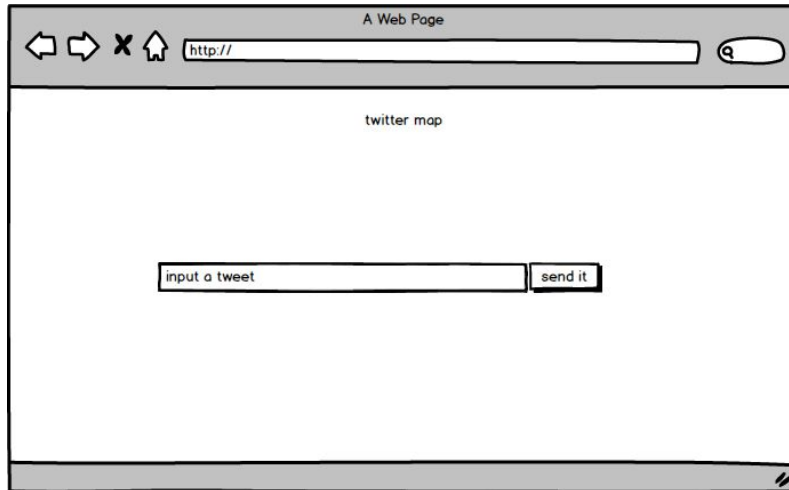


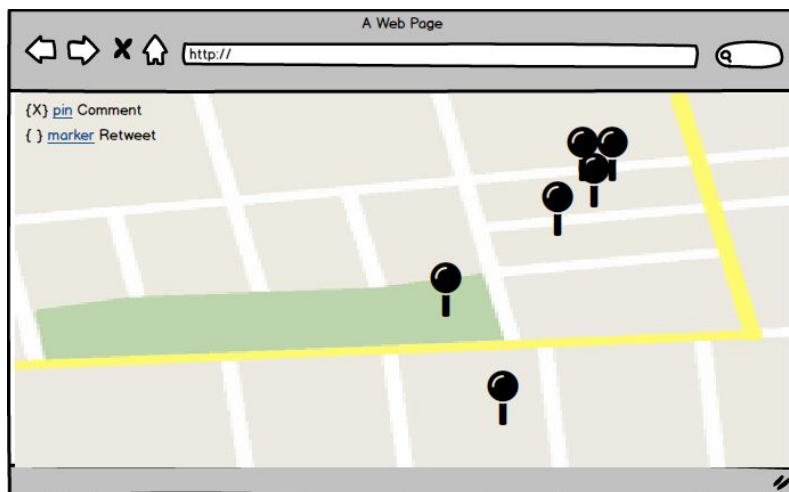
Alec Savoy
GEOG 490: Webmapping
Project Proposal
10/31/2018

Arbitrary Tweet Map

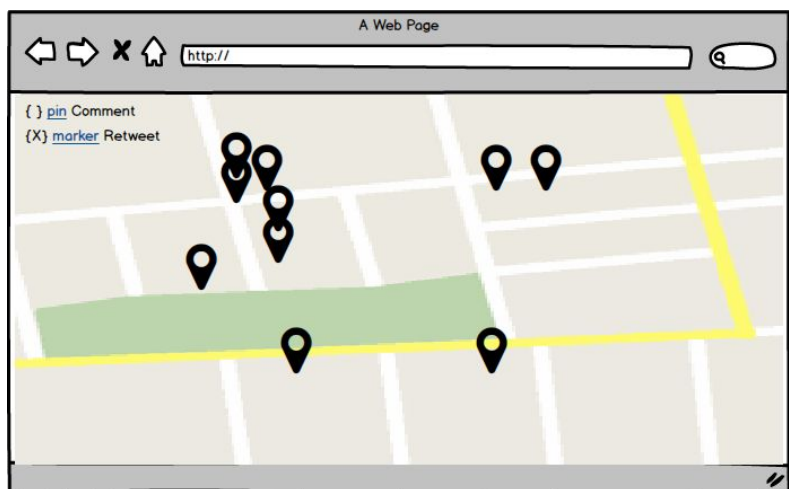
1. My project is going to be a map where you can input a tweet link and get a map in response that shows the retweets and comments in response. This tool would allow you to input any tweet and see where it generally gets the most 'inactive' responses (retweet) and the most 'active' responses (comment). I imagine some people may do both and if that skews the data too much i'll add those as a separate data type. This is interesting because not only can you see who you are interacting with, you can also see where you are affecting.
2. A map is essential to this kind of project because it is the most efficient way to display and communicate this kind of information. Currently, the pattern that twitter uses is individually based locations. You can either look at a tweet and see where it came from or you can look at a user and see where they are from. There's no advertised feature to accumulate this data and see where groups of people tweet from. You could certainly aggregate the data and say `every person who tweets back to \${some_random_guy} is generally from \${some_random_area}`, but it would be a lot easier to see it on a map (not to mention accessible).
3. In the beginning I was thinking of just focusing on the United States and restricting the zoom but I think I may make this project worldwide. I'll make it worldwide because twitter is an international platform and I need to support that a tweet can come from anywhere in the world. The second reason it should be worldwide is if I restricted the viewport to a specific area then the data could end up skewed and misleading. I could leave out a significant portion of data and draw incorrect conclusions. I think what i'll do is default to a world wide map and then allow zooming in for closer examination.
4. The data sources for this project are geotagged tweets. These are already available through Twitter's search API. The issue is that I can only receive a payload of 100 tweets with the free tier. This amount of tweets is enough for a proof of concept but not for a potential deployment. If the proof of concept works out then I would like to get access to the full api so the map can be the most accurate.
5. (Flow)



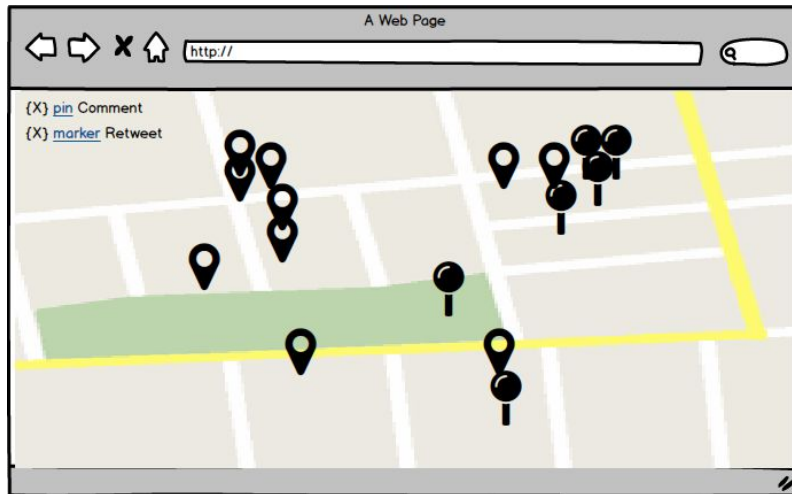
a.



b.



c.



- d.
6. I am a group of one. I am bringing all of the skills to the project. All of them. If anyone says that they are my partner, they did nothing.