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CS Senior Design - CS5001

Final Self-Assessment

I learned a lot through my work on this project and I grew my abilities as a computer scientist. My team created a functional web application that displayed the sentiment analysis of tweets about a given keyword and displayed ratings of individual locations of a specified business on a map. I worked primarily on the map component of this application. I worked on getting the google api up and running and for the closest locations rating to be displayed on the map. I did not have much of a part in the sentiment analysis part of the application but I helped debug issues as they came up.

In my initial assessment from last fall I identified skills in front and backend coding that I utilized in my work on the project. I also stated that I wished to expand my skills developing UIs and data visualization as well as gain more knowledge using APIs. I used my backend development skills to help set up the google API and process the data. I made use of my front-end development skills by implementing design skill into the creation of the map using javascript and react. I learned a lot more about how to use API's by creating calls to the google api and creating markers. We did run into some obstacles calling the google API within react so we had to figure out how to run it through netlify, a proxy server.

Our group was able to work together to create a web application that solved our initial problem statement we were attempting to solve. We were able to make use of sentiment analysis on tweets and display ratings on a map. I learned that communication is essential when working in a group. Our team worked well together but there were times when we would not communicate enough and multiple people would end up doing the same work. However

everyone on our team was always willing to pull their weight coding and helping anyone who asked for help.

Everyone in our group contributed an equal amount in completing the project. We all had different expertise and goals to learn in working on our sections. We split our group into two. I worked on the group working on the google-API and map, while the other team worked on the sentiment analysis and twitter API section. Anna had the most experience in web development specifically in react so she was really essential in helping everyone else integrate their parts into one react project. Everyone in the group was reliable and did the work asked of them and showed up to every meeting set.