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Assignment 3 Write Up

**Project Overview**

The goal of the assignment was to create a MBTA Helper App that would allow users to enter the name of a place, so they could see what the nearest MBTA stop was and whether or not it was wheelchair accessible. The project scope included using the different skills learned throughout the course of the semester like JSON, API keys, Flask and HTML/CSS, to name a few.

In order to gather the information of various MBTA stations, I first had to access the MBTA API and also the Mapquest API to identify the latitude and longitude coordinates. After creating python functions to allow the app to find the nearest stop and the wheelchair accessibility to what is inputted by the user, I used Flask to create a web page that prompts users to submit a place name.

**Project Reflection**

Overall, I think the project went quite well. It was a challenge to take on as an individual project but with ample research and reading through all the different links provided, I think that I was able to understand the material and do the project. As we have touched upon a few JSON examples before and interpreting the data, I was able to use that knowledge and work through the APIs. Through trial and error and the help of the defined functions in the mbta_helper.py file, I could navigate through the python part of the project. Continuous trial and error and looking to Stackoverflow helped me work through things I wasn't a hundred percent certain on.

As for the Flask part of the project, having the WebApp-Demo file with the calculator example was very useful because once I understood what was happening there, it was easy to

make similar parallels with what the MBTA Helper App was asking for. I also liked how it was a Webex session so I could go back and replay parts of that class where the demo was taught if I missed something.

I think going into the project I was a little wary but considering I read through the instructions careful line by line and followed what was asked for without skipping ahead or going "off course", this assignment was a very interesting way to understand how python and HTML can interact with one another. It was also quite fun to be able to implement some CSS skills that I retained from Web Tech.