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Project Reflection

In this project, we were to build a static, simple website with some dynamic content from the Web APIs that we received from the MapQuest and MBTA developer website in order to establish the connection for this website using geocoding in Python. Using the template of code given to us, we were to combine the two functions where one was to receive data about finding the latitude and longitude of a location in the Greater Boston Area and add that to where the nearest location for where the MBTA stop would be. In the second part, we were to initialize FLASK to request where data could be displayed on the home page using HTML. Then, we were to set up app.py in order to make the data accessible to the user to find the location they could request to find if its wheelchair accessible on the website

After finding the mbta_finder.py file in the folder, the project was easy to compete to find the latitude and longitude, but the part that created a problem was trying to get the MBTA to stop initially. Until I took the time to rework my code to follow the original path, which was more seamless for when I needed to find a way to combine both functions to test for a certain location, so I tried a couple such as Harvard Square and Boston University in order to see if it worked. This was cool for me to see because it was these simple basics that fascinated early computer programmers and scientists, so it is quite amazing to see how far we have excelled in building complex networks that have increased their capabilities by a great amount in today's age. Then, on the part of the app.py, I made a couple of mistakes in the code initially to get it to work in order to display on the template for Google Chrome which probably the most challenging part of

the project. I think looking at the videos that Professor Li gave us such as understanding the basics of the web was a great addition in order to have a basis of understanding, then I did some research for terminology I might not have understood in order to help me.

In retrospect, I believe if we did this in the initial five days that were provided this project would have been easier, but unforeseen circumstances of the COVID-19 pandemic prevented that from happening, so you have to take your challenges as they come. What I think I learned about coding is that it can be a difficult process to get things to work, but when they do work, it is an extremely rewarding one, so I can see why it is so addicting to some people and it is unique to see a line of code do something and create something. Fundamentally, I believe this reaches a part of humanity for us, so I am pleased that I got to see that through a project like this which is not something one might typically anticipate bringing about in a project such as this one, but it happens.