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Assignment 4: Project Reflection

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**Project Overview**

We created a web app that allows you to create the logic to make a web server quickly in Python. You can write logic that will execute when a request is made for one of your routes. The app uses functions to draw upon, google it (geo coding API) taking an address and determining the latitude and longitude of that address. Then, we used the MBTA API to take the latitude and longitude that was found from the address, to find the closest MBTA station and how far away it is from the address. We were able to request our own API from the MBTA.

What went well in the project is that we were able to google and find answers on how to fix our bugs pretty effectively. We could’ve improved and gone above and beyond by using some of the optional examples that were part of the assignment. For example, using MySql, SQLite, or PostgreSQL to make use of a database. We could’ve also used jQuery and added beautiful responsive and dynamic content to our web app. We should’ve used more unit-testing as we had difficulty finding where our bugs lie. We wrote entire functions at one time and then ran the code and then had a hard time pinpointing the locations in our functions where the bugs lied. If we had tested our lines of codes in chunks, it would have been quicker and easier for us to fix our problems. We wish we knew that we could alter the template of the code that was given because there are multiple ways to do things, it was tough to find the one way. We also wish that we knew that certain address was out of the location of what the MBTA API tracked. When we were testing our code, we were using an address that was outside MBTA tracking location and it wasn’t working but we thought it had to do with something else. This caused us to try to fix problems that weren’t even there.

What went well was the team dynamic. We were able to use pair programming and it worked very well. Half the time, one person would code and the other one would google any problems or questions that we had. We were able to switch roles throughout the process. We also were able to draw upon class examples and demos to guide us as a template.