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For this project I initially chose to create multiple modules to find the nearest MBTA station at the desired location. At first this was too complicated, and I resorted to the current approach where the searching and processing data is split into separate files for simplicity and easier-understanding by other developers.

One thing that went well during this process was the final product. With many projects it is always satisfying to see it working correctly in the end, and this project was no exception. However, one struggle was actually getting to this point, and doing so in a “clean” manner. I went through many iterations that “worked” but I had no idea how they were actually working, and they looked like a complete mess in my editor. This type of code is not sustainable so I knew I had to start over from scratch to improve it.

I learned quite a bit from my friend (who has been helping me a lot lately) as he is a CS student with a lot of free time on his hands now. He walked me through proper API requesting and some secure methods that I didn’t even think about when developing this sort of application. Just like Google and Stack Overflow, much of the difficulties of coding can be bypassed by simply finding people who have solved similar problems as you.