Technical Consultant Assignment Relay42

I’ve thoroughly enjoyed working on this project. I chose to use Python instead of Java in order to align myself with the standard language used by the team at Relay42. At times there were challenges but it was at the perfect level for me. I particularly enjoyed delving into Python syntax, defining classes, analyzing scope, and seeing the results appear on the screen. This will be a project that I’m happy to add to my Github repository and say that I worked on this. I also appreciate the fine help from Just and enjoyed working with him.

If I had more time I could make some the following improvements:

* More try, except clauses to handle corner cases like interruptions, out of bounds exceptions, invalid CSV format, etc.
* Add user input and python libraries for UI to make the program more user friendly or connect to a web front end to provide a service for clients
* Break up into functions for separation of concerns. Generally I believe it’s best coding practice to break up code for handling specific tasks into their own function or class I could improve on this to make the code more maintainable possibly adding interfaces for other programs to use this as a python module
* Add a progress bar or status indicator with time estimate (this was done but I could improve this with percentage of progress or maybe a visually appealing progress bar)
* Refine the multithreading process. Any multithreading that happens now isn’t explicit and timing is uses to interrupt the process. It could be interesting to experiment with more explicit multithreading to see how most optimally send the data
* And of course, add the rest of the API functionality! With more time I could make a client for the other API calls