

Github Repository Link: <https://github.com/cbrennan1/CS445-FPJava>

Difficulties:

- One difficulty I had was the overall creation of a REST API as this was something I had never done before and it was not similar to the homework assignments in my opinion. I had initially attempted to do this project in Python but had to switch to Java as I could not figure out how to do the get and post requests on a created local host with Python.
- Another difficulty I had was being restricted in the sense I could not incorporate a database to get the code to work. In ITM the use of databases and SQL are often encouraged so it was interesting to try and work around this problem.
- Another aspect of this project I found difficult was implementing Postman, this is a tool I had never used before. The use of SpringBoot and Maven was also new to me and required a lot of time spent watching tutorials as well as trial and error. However it was a good feeling when I finally got the local host to be up and Postman tests to run.
- I also struggled with which unit testing should be done for the created classes. I was basing my code based on the Postman Tests as that was how I thought the data was being validated so I had not written my own unit tests in the given deadline.
- This was my first time ever working with GET/PUT/POST/DELETE in an API format and it was extremely difficult for me to grasp the concepts of how the code operated at first. I needed to watch a lot of tutorials walk through each Postman test to figure out what body was given or what needs to be returned/edited.

Status: In Progress (151/242 Postman Tests → 62%)

Statistics:

- Lines of Code: 299
- Lines of Unit Testing: 134
- Max Cyclomatic Complexity method: 1
- Postman Test Coverage (151 Passed and 91 Failed)

