Repository: https://github.com/jpagan2/CS-445-Project

Difficulties:
- As an ITM major, this was my first time working with RESTful APIs.
  - Having to build my own API was a challenge that I had to overcome by extensively studying the RESTful mapping functionalities to return the expected response.
- Something that was also new for me was building a Java application as an application executed to handle HTTP request. I'm glad I had the opportunity to learn about it so that I can continue to improve my software development skills.
  - Upon successful implementation of the necessary dependencies in Maven, I was able to execute the application on localhost port: 8080 which is a skill that I'm grateful to have acquired.
- Utilizing *Postman* is something completely new to me as well and considering Test-Driven Development (TDD) hasn't been enforced through my curriculum, I'm glad I had the opportunity to lean the correct way to develop software for optimal production.
  - Successfully mapping the GET, POST, PUT & DELETE request to past the *Postman* tests was an enriching learning experience and if it wasn't for the testing provided on Postman it would've been much harder for me to develop the appropriate methods.
- Executing unit testing
  - Testing in this project was different than the previous homework considering we were provided with a collection of *Postman* test. This was very helpful to understand how to organize each object and effectively manipulate the data without the use of an external database.

Despite this being my least impressive submission due to the state of my application not passing 100% of the testing deliverables, I'm still proud of the progress I was able achieve and I'm confident in saying that I've become a better software developer after doing this project and being exposed to new technologies.

Status: In-Progress

Statistics:
>   Lines of code: 311
>   Postman Test Coverage: (162/242) PASSED 67% of the Postman Tests

Buy Nothing Tests   test, just now

All Tests   Passed (162)   Failed (80)