

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

Statistics:

- Lines of Code:
 - 533 Total lines of code as Generated in the Jest Coverage Report.
 - 1343 Total lines of code as generated/calculated in the VSCode Counter.
- Lines of Unit Testing:
 - 1887 Total Lines of Unit Testing Code as generated/calculated in VSCode Counter.
- Code Coverage HTML file created by jest is shown below. (100% Statements, 96.4% Branches, 100% Functions, 100% Lines)

All files

100% Statements 96.4% Branches 100% Functions 100% Lines

Press n or j to go to the next uncovered block, b, p or k for the previous block.

Filter:

File	Statements	Branches	Functions	Lines
src	100%	25/25	100%	19/19
src/accounts	100%	148/148	96.87%	135/135
src/asks	100%	91/91	100%	83/83
src/dto	100%	5/5	100%	5/5
src/gives	100%	98/98	97.56%	90/90
src/notes	100%	103/103	86.66%	82/82
src/reports	100%	65/65	100%	56/56
src/thanks	100%	70/70	100%	63/63

- Cyclomatic Complexity: 4
- Hours Spent to Get Code Working: ~350 hours.
- Hours Spent Preparing Submission: ~5 hours.

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 NestJS 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.

Status: In Progress (242/244 Postman Tests → 99%)