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40022024

CS313: Intermediate Computer Programming

Individual Portfolio

Cohort A

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This project tested my capabilities in translating code between languages, especially as I was dealing with a language (C++) of which I had a minimal understanding. The underlying concepts used in the previous project were still the same: breadth-first-search traversal for flight number optimality and an adjacency list to represent airport connections, among others. However, this time, I was required to look at the C++ implementations of all these concepts, which was quite a difficult task for the most part. This time, however, I was working in a group, so I got to see the power of collaboration in real time. In the line of cooperation, this project was a real opportunity to see the benefits of Git as a version control tool. It was easy for me to track changes to code made by my partner, and we could work on the code seamlessly without having to be in the same place.

I learned a lot about data representation from this assignment. It helped me realize the need to find a reliable technique for storing data and the advantages of ensuring processes have sufficient time complexities to enhance user experience in general.