**CS 313: Intermediate Computer Programming**

**C++ Project (Monday 29th Nov. 2022)**

**Reflection**

For the project, I read the three CSV files using the CSV file reader and stored the information read from them in 2 dimensional vectors. I then opened the input file and read the start location and destination location. Using a delimiter, I split the text into two individual strings. Using a while loop, I checked if the input file contains the required information and stores it into an array.

Once I had the cities, I started searching for the routes. Storing the multiple starting locations in a vector, I used a series of recursive for loops to iterate through the csv files to find the flight stops to the desired destination. I also used for loops to ensure that the destination found is the required destination.

To complete the challenge, I wrote the found routes to a .txt file and saved it to the folder that contains all the required files (csv files, code and input file)

References

Vector of vectors in C++ STL with examples. GeeksforGeeks. (2020, February 14). Retrieved November 26, 2022, from https://www.geeksforgeeks.org/vector-of-vectors-in-c-stl-with-examples/

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