

Reflective Report

I am not very familiar with the C++ syntax. I had a slow start to this project waiting for a starter code that never came. I decided to go ahead with my teammate Nana Kofi. The idea was to translate what happened in java to c++. I had to google so much. The worse part of this c++ project is the language's inability to point out errors. This made it so hard to debug errors especially semantics (including times where there is no output). I had to spend so much time stepping through the code trying to use as many print statements(couts) as possible. This was a strategy that I employed to help with debugging.

Just like in java, some of the things we had to do include, reading and writing to the file, and deciding on a search algorithm. Luckily for us all these questions had been answered in our java project. To kickstart the project, I tried to read the file in c++, the syntax was nowhere near that of java. The idea was to create a fileReader such that given any file path it could be able to read it, once available. I wrote an exception to make sure of it. Morgan helped me with this process.

I created classes for each of the files, that is Airports, Airlines and Routes. In each of those classes, I implemented both getter and setters to return the data in every column header. I used the IDE predictions to check my use of pointers in creating the classes and declaring both the getters and setters. I created objects to read the data in the array. From the java project, I realized that we some rows in the csv files did not follow the normal array indexes. I had to handle such known scenerios to ensure that they didn't produce a known error.

This project has been challenging but has made me learn things I didn't think I would have. This is my first attempt in learning C++. It wouldn't be a preferred language if I have the chance to choose.