REFLECTION ON THE ICP PROJECT

When I started working on the project, I thought it would be easy. I never knew I had a big milestone to overcome. This has to be the most challenging project I have ever worked on because I had to use an algorithm which I am facing difficulties in. Right now, I am not fluent in using different algorithms, so when I realized that I had to use one of the search algorithm, I had to sit back and analyze the algorithm. I knew I had a great battle to overcome. So I started by creating the various classes. The airport class, route class and the airline class. Each of these classes had instance variables that characterized the object of the class—created the various auxiliary methods such as the equals, hashmap, and Tostring methods. Then I imported the files using BufferReader, which is more efficient than the Scanner class. Then I was confused about which algorithm to use for the course. I was confused between uniform cost search and breadth-first search. I decided to use the breadth-first search because a uniform cost search is used to find the shortest path and not the possible paths.

I was not able to complete the project because I could not figure out a lot of things. I tried reasoning my problem with my peers, but they were facing their own different challenges and using approaches contrary to what I was using in my code. I tried figuring it out, but it really was not working. This project made me feel how backward I am when it comes to algorithm analysis, and I would have to do a lot of work by solving problems frequently to upscale my skills in java and algorithm analysis.

I look forward to further developing this work in the future when I have gained the required skills necessary to complete this project.