For this project, I attempted to use a breadth-first search to build an appropriate route planning algorithm, however I was not able to implement the algorithm itself. The way it would have worked is that, the Breadth-first search algorithm would have taken the input file and taken the start city, start country, end city and end country. In the algorithm, the city and country data, for both the start and end, will be used as keys to identify the airports needed, as some cities may have multiple airports, and every airport acts as a node. In this case, every possible flight that one can attain from an airport acts as an action, which now gives us our node, paths, actions and search tree. The breadth-first search would then go through level by level of the search tree, searching to see if any node has a flight route that leads them to the destination airports, and if not, what flight routes will take them closer to the destination airport. Once the destination is found, a file would have been output that shows the possible flights that will take you from the start airport to the destination airport .I managed to implement classes for the airports, airlines, and routes csv files that we were given, I was able to use the buffered reader to read the data from the files into the classes. The buffered reader allowed me to take only the rows that were necessary to the problem at hand, making it more efficient space and memory wise. I understood what was needed from the project, however I was just unable to implement it into Java, which means I still have a lot to learn about this programming language