Reflection Of the Work

Executing this project was not an easy task. But it was helpful in getting to understanding some basic fundamental concepts in the Java programming language. In this project I learnt how to read and write to a file. I was able to achieve this using the bufferreader class in java. I also learned how to extract the various data in the file and store them into a separate file.

Secondly ,this project has also helped me to understand the basic git operations such as commit, push, branch just to mention a few. This was very useful to my career development as a computer science student. To be able to return a route from the starting to the destination, there are a couple of search algorithms that can be used after reading through the csv file.

These algorithms are uniform cost search, depth-first search,breadth-first search and A* search.But i used breadth-first search to carry out this search.BFS is an algorithm for searching a tree data structure for a node that satisfies a given property. It starts at the tree root and explores all nodes at the present depth prior to moving on to the nodes at the next depth level. Extra memory, usually a queue, is needed to keep track of the child nodes that were encountered but not yet explored.To achieve this I used a hash set to store the airport to find valid and working routes between two cities.