

Reflection Of the Work

Executing this project was not an easy task. But it was helpful in getting to understanding some fundamental concepts in the C++ programming language. In this project I learnt how to read and write to a file, create classes and header files in C++. We also learned how to use pointers very well even though it was not that perfect.

Secondly ,this project has also helped me to understand some concepts of searching algorithms that I have in introduction to artificial intelligence and data structures and algorithms. These searching algorithms we use were the A* search and Bread-first search.

This was very useful to my career development as a computer science student. We use these searching algorithms to return a route from the starting to the destination.

The BFS 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.