Final Project Goals

Dataset Choice: Open Flights

We will use the airport data (latitude and longitude) to calculate the weight of each edge and use it to find the shortest and cheapest path between cities. We will also generate a graphical output for this.

Covered Algorithm: Dijkstra's Algorithm

Since Dijkstra's Algorithm gives the path with minimum sum of weights, it can satisfy our requirement for shortest distance and lowest price.

Complex or Uncovered Options: Graphic Output of Graph

We will output an image of all possible paths to the destination and mark the optimal path.

Doxygen and Test

We will write a Doxygen document once we figure out the desired output of each function. Then we can build the test cases in advance.