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**CS 225 Data Structures****Final Project Results**

The outcome of our project is a program that takes in the source airport and destination airport from the user and returns a png with the flight path displayed on a world map. Each of the colored markers on the map represent the source, destination, and connecting stops, allowing the user to visualize their flight path on this world map (see sample output below). The shortest distance between source and destination was calculated using BFS and Dijkstra's algorithm. The distance for the shortest possible route and the airport IATA codes for the flight path is also printed for the user. The airport vertices were derived using the airports.dat and routes.dat datafiles. After parsing through the data, the graph was created by using the airport routes and the corresponding distances between them.

Sample Output:

