

# CS 225 Project Goals

In the final project, we will use the data set of the Open Flight dataset. We will build a program that reads in the dataset. Reads user input of different locations and yields the sequence of flights that lead them to the destination. A landmark feature is added. Also, we plan to make a visualization of the map and path, but not quite decided.

## Traversals

BFS (Breadth First Search)

This part is used to help the algorithm development.

## Covered Algorithms

Shortest Path

- a. Dijkstra's Algorithm
- b. Floyd-Warshall Algorithm

This part is used to find the shortest path based on the airport and flight data.

## Complex or Uncovered Options

1. Landmark Path (shortest path a-b through c)  
This part is the base of the landmark feature.
2. Graphical output on projected onto a world map  
This part is about visual output.