

Project Goals:

Adi Kandula, Roshun Navin, Neehar Sawant, Avadh Patel

- We have decided to use the OpenFlights dataset
- We will implement the shortest path algorithm to determine the ideal and most efficient route.
- We will be using Dijkstra's Algorithm, Breadth First Search, and the Landmark Path Algorithm
- All four group members will be working together to implement all three of these algorithms in order to insure that the shortest path algorithm works as expected
- We will be determining the smallest distance by utilizing the distance between two points as the weight between the nodes
- We will also be writing test cases in order to ensure our algorithm works perfectly
- These test cases will include unit testing as well as functional and integration testing
- We will include every edge case to prevent any sort of errors within our algorithm
- In addition to finding the shortest distance, if time permits, we will begin to add landmarks and attempt to find the shortest distance while hitting different places