

For our project we will use the OpenFlights dataset in order to create our directed graph. The OpenFlights dataset comes from <https://openflights.org/data.html> and comes in the format of a comma separated value file. The data is of airports and the travel routes between them, the distance and such. After loading this dataset we will implement a DFS traversal and write the traversal results to a text file.

As for the other required algorithms, we will implement Dijkstra's Algorithm to find the shortest path between nodes on the directed graph we make from the dataset.

We also will implement the Landmark path algorithm to find the shortest path from nodes a to b through node c. we will choose the needed nodes and save the resulting paths of these two algorithms in a different text file, most likely as comma separated values.