

Read Me

Airline.java: A class for all Airlines, creates airline objects using rows from the airlines.csv file.

Airport.java: A class for all Airports, creates airport objects using rows from the airports.csv file.

Route.java: A class for all routes creates route objects using rows from the routes.csv file.

I created classes for the airports, routes and Airplanes to enable me access their attributes without reading through the database every time.

The constructors for each of those classes take a row in the spreadsheet and convert it into a class, identifying and initialising each of its required attributes.

I created a method in my main class to receive path search request from the user and store it into a text file. **Request()**

I created another class to read the input text file and feed the parameters into the search algorithm. **ProcessRequest()**

I created a function to implement my heuristic for the search algorithm. **Heuristic()**

I also created functions to create the class of the source airport and the destination airport within my main method. **findAirportClass()** and **findDAirportClass()**

I created a class to find all airports reachable from a current state airport. **findAllDestinationAirports()**.

A class to print results and provide final output text file. **printResults()**.

The **findRoute()** function returns the route from a given source airport to a destination airport.