

Description

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Retrieve Flights Based on Source and Destination

Zaro Flight System wants to automate the process in their organization. As a start up, they need to automate the flight management system. They have an application to add flight and view flight based on flight id. Help them to develop a software to view the flight based on source and destination.

You are provided with a public class Flight with following private attribute :

int flightId

String source

String destination

int noOfSeats

double flightFare

Appropriate setter and getter are written.

A public 5 argument constructor with arguments – flightId, source, destination, noOfSeats and flightFare is also provided.

Use Database for manipulation. Assume Flight details are already available in the database.

Create a class FlightManagementSystem which has the following method.

public ArrayList<Flight> viewFlightsBySourceDestination(String source,String destination) - This method should accept a Source and a destination as parameter and retrieve all the flights with the given source and destination from the database. Return these details as ArrayList<Flight>.

To connect to the database you are provided with database.properties file and DB.java file.

Create a class Main which has main method to perform the above operation.

In main method, when viewFlightsBySourceDestination method is invoked and if it returns a Flight list , display the flight details as

Flight ID : xxx

Source : source name

Destination : destination name

No of seats : xxx

Flight Fare : xxx

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If no flight is available in the list, the output should be “No flights available for the given source and destination”.

To execute on your machine, you can make the necessary changes to the values of connection url, username and password in the database.properties file.



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