

com.booking

Class RouteController

java.lang.Object
com.booking.RouteController

```
public class RouteController
extends java.lang.Object
```

This class provides methods pertaining to any required functionality and processing that is related to routes.

Field Summary

Fields

Modifier and Type	Field and Description
private AirportController	ac RouteController requires the AirportController class to query airport data.
private java.util.Scanner	in Scanner object to use the standard in from the console.
private RouteEntity	re RouteController requires the RouteEntity class to write/read data to the database.

Constructor Summary

Constructors

Constructor and Description
RouteController() Default constructor

Method Summary

Methods

Modifier and Type	Method and Description
private void	addRoute() UI function to allow the user to create a new route.
private void	deleteRoute() UI function to allow the user to delete an existing route.
boolean	doesRouteExist(java.lang.String code1, java.lang.String code2) Checks whether the route for the given codes exist or not.
private void	editRoute() UI function to allow the user to edit an existing route.
private char	enterCodeshare() UI function to allow the user to enter whether this route is a code share route.
int	enterRoute() UI function to allow the user to enter a new route.
private java.lang.String	enterRouteDestination(boolean check) UI function to allow the user to enter the route destination.
private java.lang.String	enterRouteOrigin(boolean check) UI function to allow the user to enter the route origin.
private int	enterStops() UI function to allow the user to enter the number of stops on this route.
int	getRoute(java.lang.String origin, java.lang.String destination) getRouteCities(int routeNumber) Gets the cities that are at either ends of the given route number.
java.util.Map.Entry<java.lang.String, java.lang.String>	getRouteLocations(int routeNumber)
java.util.AbstractMap.SimpleImmutableEntry<java.lang.String, java.lang.String>	getRouteNumber(java.lang.String origin_airport, java.lang.String destination_airport) Gets the route number based on the origin and destination airports.
int	getRoutePoints(int routeNumber)
java.util.AbstractMap.SimpleImmutableEntry<java.lang.String, java.lang.String>	getRoutePointsCodes(int routeNumber) Gets the codes for either ends of the given route number.
java.util.Map.Entry<java.lang.String, java.lang.String>	

6/1/2015	RouteController	<div><div>boolean</div><div></div><div></div><div>void</div></div> <div><div>isInternationalRoute(java.lang.String origin_airport, java.lang.String destination_airport)</div><div>Checks whether the route is an international route based on the given origin and destination airport.</div><div>manageRouteOption()</div><div>UI method to allow the user to choose whether to add, edit or delete a route.</div></div>
Methods inherited from class java.lang.Object		
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait		

Field Detail

ac
<pre>private AirportController ac</pre> <p>RouteController requires the AirportController class to query airport data.</p>
re
<pre>private RouteEntity re</pre> <p>RouteController requires the RouteEntity class to write/read data to the database.</p>
in
<pre>private java.util.Scanner in</pre> <p>Scanner object to use the standard in from the console.</p>

Constructor Detail

RouteController
<pre>public RouteController()</pre> <p>Default constructor</p>

Method Detail

manageRouteOption
<pre>public void manageRouteOption()</pre> <p>UI method to allow the user to choose whether to add, edit or delete a route. This method will then call the appropriate function upon user's choice.</p>
addRoute
<pre>private void addRoute()</pre> <p>UI function to allow the user to create a new route.</p>
editRoute
<pre>private void editRoute()</pre> <p>UI function to allow the user to edit an existing route.</p>
deleteRoute
<pre>private void deleteRoute()</pre> <p>UI function to allow the user to delete an existing route.</p>
enterRoute
<pre>public int enterRoute()</pre> <p>UI function to allow the user to enter a new route.</p>