

JAVA EE REST SERVICE DOCUMENTATION – AIRLINE SYSTEM PROJECT

Class Name: AirlineServiceRest

1. **getAll** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>)

A get type method which is available to display list of added airlines along with its flight details. There are no parameters required for us to pass.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>

Example Response:

```
1 [
2   {
3     "id": 151,
4     "name": "Example Airline with flights",
5     "flights": [
6       {
7         "id": 201,
8         "flightnr": "Example Flight Number",
9         "departureDate": "6/18/18",
10        "departureTime": "6:30 PM",
11        "arrivalDate": "6/18/18",
12        "arrivalTime": "10:30 PM",
13        "origin": {
14          "id": 51,
15          "airportcode": "CID",
16          "name": "Eastern Iowa Airport",
17          "city": "Cedar Rapids",
18          "country": "USA",
19          "arrivals": [],
20          "departures": []
21        },
22        "destination": {
23          "id": 101,
24          "airportcode": "JFK",
25          "name": "JF Kennedy Airport",
26          "city": "Newyork",
27          "country": "USA",
28          "arrivals": [],
29          "departures": []
30        },
31        "airplane": {
32          "id": 1
```

2. **create** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>)

A post type method which can be used to create an airline entity. It is also a way to add flights into the system. Accepts a JSON string as parameter.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>

We need to pass the following JSON string with-in request body which specifies the airline name that we aim to create and the flights that are associated with it.

```
{
  "airlineName" : "Example Airline with flights",
  "flightCreationDetails": [
    {
      "flightnr" : "Example Flight Number",
      "departureDate" : "6/18/18",
      "departureTime" : "6:30 PM",
      "arrivalDate" : "6/18/18",
      "arrivalTime" : "10:30 PM",
      "originName": "Eastern Iowa Airport",
      "destinationName": "JF Kennedy Airport",
      "serialNumberAirPlane": "456"
    }
  ]
}
```

Example Response:

```
1  "Airline Created!"
```

3. **find** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/find>)

A post type method to find any airline entity by id. Accepts a JSON string as parameter specifying the ID of the airline that we are looking for.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/find>

```
{
  "id": 151
}
```

Example Response:

```

1  [
2    {
3      "id": 151,
4      "name": "Example Airline with flights",
5      "flights": [
6        {
7          "id": 201,
8          "flightnr": "Example Flight Number",
9          "departureDate": "6/18/18",
10         "departureTime": "6:30 PM",
11         "arrivalDate": "6/18/18",
12         "arrivalTime": "10:30 PM",
13         "origin": {
14           "id": 51,
15           "airportcode": "CID",
16           "name": "Eastern Iowa Airport",
17           "city": "Cedar Rapids",
18           "country": "USA",
19           "arrivals": [],
20           "departures": []
21         },
22         "destination": {
23           "id": 101,
24           "airportcode": "JFK",
25           "name": "JF Kennedy Airport",
26           "city": "Newyork",
27           "country": "USA",
28           "arrivals": [],
29           "departures": []
30         },
31         "airplane": {

```

4. **update** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>)

A put type method which updates an airline entity. It accepts a JSON string as parameter specifying the airline entity details that we wish to update. We also need to specify the ID of the airline with-in the request else it will create a new airline entry.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline>

```

{
  "id": 251,
  "name": "Example Airline with flights Updated",
  "flights": [
    {
      "id": 301,
      "flightnr": "Example Flight Number",
      "departureDate": "6/18/18",

```

```
"departureTime": "6:30 PM",
"arrivalDate": "6/18/18",
"arrivalTime": "10:30 PM",
"origin": {
  "id": 51,
  "airportcode": "CID",
  "name": "Eastern Iowa Airport",
  "city": "Cedar Rapids",
  "country": "USA",
  "arrivals": [],
  "departures": []
},
"destination": {
  "id": 101,
  "airportcode": "JFK",
  "name": "JF Kennedy Airport",
  "city": "Newyork",
  "country": "USA",
  "arrivals": [],
  "departures": []
},
"airplane": {
  "id": 1,
  "serialnr": "456",
  "model": "A380",
  "capacity": 120,
  "flights": []
}
}
]
```

Example Response:

```
1 "Airport updated!"
```

5. **delete** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/{name}>)

A delete type method which is available for deleting an airline entity by specifying its name in the URL as @PathParam

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/Emirates>

Example Response:

```
1 "Airline deleted!"
```

6. **findbyname** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/findbyname/{airlienName}>)

A get type method which searches an airline entity by name. We need to specify the airline name in the URL

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/Emirates>

Example Response:

```

{
  "id": 151,
  "name": "Emirates",
  "flights": [
    {
      "id": 201,
      "flightnr": "Example Flight Number",
      "departureDate": "6/18/18",
      "departureTime": "6:30 PM",
      "arrivalDate": "6/18/18",
      "arrivalTime": "10:30 PM",
      "origin": {
        "id": 51,
        "airportcode": "CID",
        "name": "Eastern Iowa Airport",
        "city": "Cedar Rapids",
        "country": "USA",
        "arrivals": [],
        "departures": []
      },
      "destination": {
        "id": 1,
        "airportcode": "JFK",
        "name": "JF Kennedy Airport",
        "city": "Newyork",
        "country": "USA",
        "arrivals": [],
        "departures": []
      },
      "airplane": {
        "id": 101,
        "model": "A350"
      }
    }
  ]
}

```

7. **findbyflight** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/findbyflight>)

A post type request that retrieves the airline details with a provided flight id parameter. The parameter needs to be provided in request body as JSON string.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airline/findbyflight>

```

{
  "id": 201
}

```

Example Response:

```

    "id": 151,
    "name": "Emirates",
    "flights": [
      {
        "id": 201,
        "flightnr": "Example Flight Number",
        "departureDate": "6/18/18",
        "departureTime": "6:30 PM",
        "arrivalDate": "6/18/18",
        "arrivalTime": "10:30 PM",
        "origin": {
          "id": 51,
          "airportcode": "CID",
          "name": "Eastern Iowa Airport",
          "city": "Cedar Rapids",
          "country": "USA",
          "arrivals": [],
          "departures": []
        },
        "destination": {
          "id": 1,
          "airportcode": "JFK",
          "name": "JF Kennedy Airport",
          "city": "Newyork",
          "country": "USA",
          "arrivals": [],
          "departures": []
        },
        "airplane": {
          "id": 101,
          "serialnr": "456",
          "model": "A380",
          "capacity": 120
        }
      }
    ]
  }
}

```

Class Name: AirplaneServiceRest

1. **create** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>)

A post type method which creates an airplane entity by accepting a JSON String in as parameter in request body

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>

```

{
  "serialnr": "456",
  "model": "A380",
  "capacity": 120
}

```

Example Response:

```
1 "Airplane Created!"
```

2. **getAll** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>)

A get type method which displays all the airplane entities that are present in database. We do not need to pass any parameter herewith.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>

Example Response:

```
[
  {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 120,
    "flights": []
  }
]
```

3. **delete** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/{serialNumber}>)

A delete type method which deletes an airplane entity by serial number. We are required to provide the serial number as part of the URL. It is important to consider that if an airplane serial number is serving as a foreign key for other entities I.e. Airports etc. than the entity will NOT be deleted.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/356>

Example Response:

```
1 "Airplane deleted!"
```

4. **find** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/find>)

A post type method used to find a particular airplane entity details by id. Accepts a JSON string as parameter specifying the ID of the airplane that we wish to find.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/find>

```
{  
  "id": 101  
}
```

Example Response:

```
[  
  {  
    "id": 101,  
    "serialnr": "456",  
    "model": "A380",  
    "capacity": 120,  
    "flights": []  
  }  
]
```

5. **update** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>)

A put type method which updates an airplane entity. It accepts a JSON string as parameter specifying the airplane entity details that we wish to update. We also need to specify the ID of the airplane with-in the request else it will create a new airplane entry.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane>

```
{  
  "id": 101,  
  "serialnr": "456",  
  "model": "A380",  
  "capacity": 150,  
  "flights": []  
}
```

Example Response:

```
1 "Airplane updated!"
```

6. **findbyserialnumber**

(<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbyserialnumber/{serialNumber}>)

[SNAPSHOT/rs/airplane/findbyserialnumber/{serialNumber}](http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbyserialnumber/{serialNumber}))

A get type method used to find airplane entities by serial number. We need to provide serial number as part of the URL.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbyserialnumber/456>

Example Response:

```
1 {  
2   "id": 101,  
3   "serialnr": "456",  
4   "model": "A380",  
5   "capacity": 150,  
6   "flights": []  
7 }
```

7. **findbyflight** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbyflight>)

A post type method available to find airplane entities based on a provided flight id. This method accepts a JSON string with-in request body.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbyflight>

```
{  
  "id": 251  
}
```

8. **findbymodel** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbymodel/{model}>)

A get type method that finds airplane entities based on a provided model in URL. It returns a list of airplane entities.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airplane/findbymodel/A380>

Example Response:

```

1 [
2   {
3     "id": 101,
4     "serialnr": "456",
5     "model": "A380",
6     "capacity": 150,
7     "flights": []
8   },
9   {
10    "id": 401,
11    "serialnr": "656",
12    "model": "A380",
13    "capacity": 50,
14    "flights": []
15  }
16 ]

```

Class Name: AirportServiceRest

1. **create** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>)

A post type method which creates an airport entity by accepting a JSON String in as parameter in request body

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>

```

{
  "airportcode": "IIA",
  "name": "Islamabad International Airport",
  "city": "Islamabad",
  "country": "Pakistan"
}

```

Example Response:

```

1 "Airport Created!"

```

2. **delete** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/{name}>)

A delete type method which deletes an airport entity by its name. We are required to provide the name as part of the URL.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/Islamabad International Airport>

Example Response:

```
1 "Airport deleted!"
```

3. **find** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/find>)

A post type method used to find a particular airport entity details by id. Accepts a JSON string as parameter specifying the ID of the airport that we wish to find.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/find>

```
{  
  "id": 51  
}
```

Example Response:

```
1 {  
2   "id": 51,  
3   "airportcode": "IIA",  
4   "name": "Islamabad International Airport",  
5   "city": "Islamabad",  
6   "country": "Pakistan",  
7   "arrivals": [],  
8   "departures": []  
9 }
```

4. **update** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>)

A put type method which updates an airport entity. It accepts a JSON string as parameter specifying the airport entity details that we wish to update. We also need to specify the ID of the airport with-in the request else it will create a new airport entry.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>

```
{  
  "id": 51,  
  "airportcode": "IIA",  
  "name": "Islamabad International Airport Updated",  
}
```

```
"city": "Islamabad",  
"country": "Pakistan",  
"arrivals": [],  
"departures": []  
}
```

Example Response:

```
1 "Airport updated!"
```

5. **getAll** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>)

A get type method that returns all the added airport entities. It accepts no parameter and returns a JSON string

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport>

Example Response:

```
[  
  {  
    "id": 51,  
    "airportcode": "IIA",  
    "name": "Islamabad International Airport Updated",  
    "city": "Islamabad",  
    "country": "Pakistan",  
    "arrivals": [],  
    "departures": []  
  }  
]
```

6. **findbycode** ([calhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airportfindbycode/{airportCode}](http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airportfindbycode/{airportCode}))

A get type method which returns the airport entity matching the provided airport code in URL.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airportfindbycode/CID>

Example Response:

```
{
  "id": 101,
  "airportcode": "CID",
  "name": "Eastern Iowa Airport",
  "city": "Cedar Rapids",
  "country": "USA",
  "arrivals": [],
  "departures": []
}
```

7. **findbycityname** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airportfindbycity/{cityName}>)

A get type method which facilitates users to find airports by city name. The name of the city needs to be provided as part of the URL.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbycity/Newyork>

Example Response:

```
[
  {
    "id": 51,
    "airportcode": "JFK",
    "name": "JF Kennady Airport",
    "city": "Newyork",
    "country": "USA",
    "arrivals": [],
    "departures": []
  }
]
```

8. **findbycountry** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbycountry/{countryName}>)

A get type method which is used to find airports by country name. The country name is provided as part of the URL.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbycountry/USA>

Example Response:

```
[
  {
    "id": 1,
    "airportcode": "CID",
    "name": "Eastern Iowa Airport",
    "city": "Cedar Rapids",
    "country": "USA",
    "arrivals": [],
    "departures": []
  },
  {
    "id": 51,
    "airportcode": "JFK",
    "name": "JF Kennady Airport",
    "city": "Newyork",
    "country": "USA",
    "arrivals": [],
    "departures": []
  }
]
```

9. **findbyname** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbyname/{airportName}>)

A get type method which is available to find airports by its name. The name of the aiport is required to be provided

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbyname/Eastern Iowa Airport>

Example Response:

```
[
  {
    "id": 1,
    "airportcode": "CID",
    "name": "Eastern Iowa Airport",
    "city": "Cedar Rapids",
    "country": "USA",
    "arrivals": [],
    "departures": []
  }
]
```

10. **findbyarrival** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbyarrival>)

We can also find airports by its associative arrival flight entities. For this, we have this post type method which accepts a JSON string with-in its request body. We are required to specify the flight id in that JSON string.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbyarrival>

```
{  
  "id": 301  
}
```

11. **findbydeparture** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbydeparture>)

We can also find airports by its associative departure flight entities. For this, we have this post type method which accepts a JSON string with-in its request body. We are required to specify the flight id in that JSON string.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/airport/findbydeparture>

```
{  
  "id": 301  
}
```

Class Name: FlightServiceRest

1. **getAll** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight>)

A get type method which is available to display all the added flights. There are no parameters required. These flights are the ones added along with airline entities.

Example Request: <http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight>

Example Response:


```

{
  "id": 301,
  "flightnr": "567",
  "departureDate": "6/18/18",
  "departureTime": "6:30 PM",
  "arrivalDate": "6/18/18",
  "arrivalTime": "10:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
},
{
  "id": 351,
  "flightnr": "567",
  "departureDate": "3/18/18",
  "departureTime": "3:30 PM",
  "arrivalDate": "3/18/18",
  "arrivalTime": "4:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}

```

2. **find** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/find>)

A post type method to find flights based on provided flight Id. The flight Id needs to be provided with-in the request body as JSON

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/find>

```

{
  "id": 301
}

```

Example Response:

```
{
  "id": 301,
  "flightnr": "567",
  "departureDate": "6/18/18",
  "departureTime": "6:30 PM",
  "arrivalDate": "6/18/18",
  "arrivalTime": "10:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}
```

3. update (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight>)

A put type method which updates a flight entity. It accepts a JSON string as parameter specifying the airplane entity details that we wish to update.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight>

```
{
  "id": 301,
  "flightnr": "567",
  "departureDate": "6/18/18",
  "departureTime": "7:30 PM",
  "arrivalDate": "6/18/18",
  "arrivalTime": "10:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}
```

Example Response:

```
1 "Flight updated!"
```

4. findbyflightnumber

(<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbynumber/{flightNumber}>)

[SNAPSHOT/rs/flight/findbynumber/{flightNumber}](http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbynumber/{flightNumber}))

A get type method for finding the flights as per the provided flight number. The flight number is part of the URL.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbynumber/567>

Example Response:

```
{
  "id": 351,
  "flightnr": "567",
  "departureDate": "3/18/18",
  "departureTime": "3:30 PM",
  "arrivalDate": "3/18/18",
  "arrivalTime": "4:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}
```

5. findbyairline (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyairline>)

Finding a flight by an airline id is a genuine case and it can be achieved by this post type method. We need to provide the airline id as JSON string with-in request body.

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyairline>

```
{
  "id": 251
}
```

Example Response:

```
{
  "id": 351,
  "flightnr": "567",
  "departureDate": "3/18/18",
  "departureTime": "3:30 PM",
  "arrivalDate": "3/18/18",
  "arrivalTime": "4:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}
```

6. **findbyorigin** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyorigin>)

If we are required to find a list of flights that are expected to take off from a particular origin (airport), we can achieve our goal by using this method which is of post type. It requires us to specify the airport id in its method body

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyorigin>

```
{
  "id": 1
}
```

Example Response:

```
[
  {
    "id": 201,
    "flightnr": "Example Flight Number",
    "departureDate": "6/18/18",
    "departureTime": "6:30 PM",
    "arrivalDate": "6/18/18",
    "arrivalTime": "10:30 PM",
    "airplane": {
      "id": 101,
      "serialnr": "456",
      "model": "A380",
      "capacity": 50,
      "flights": []
    }
  },
  {
    "id": 301,
    "flightnr": "567",
    "departureDate": "6/18/18",
    "departureTime": "7:30 PM",
    "arrivalDate": "6/18/18",
    "arrivalTime": "10:30 PM",
    "airplane": {
      "id": 101,
      "serialnr": "456",
      "model": "A380",
      "capacity": 50,
      "flights": []
    }
  }
],
```

7. **findbyorigin** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbydestination>)

If we are required to find a list of flights that are expected to land at a particular destination (airport), we can achieve our goal by using this method which is of post type. It requires us to specify the airport id in its method body

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbydestination>

```
{
  "id": 51
}
```

Example Response

```
[
  {
    "id": 201,
    "flightnr": "Example Flight Number",
    "departureDate": "6/18/18",
    "departureTime": "6:30 PM",
    "arrivalDate": "6/18/18",
    "arrivalTime": "10:30 PM",
    "airplane": {
      "id": 101,
      "serialnr": "456",
      "model": "A380",
      "capacity": 50,
      "flights": []
    }
  },
  {
    "id": 301,
    "flightnr": "567",
    "departureDate": "6/18/18",
    "departureTime": "7:30 PM",
    "arrivalDate": "6/18/18",
    "arrivalTime": "10:30 PM",
    "airplane": {
      "id": 101,
      "serialnr": "456",
      "model": "A380",
      "capacity": 50,
      "flights": []
    }
  }
],
```

8. **findbyairplane** (<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyairplane>)

Finally, we can search the flights schedule based on airplane details as well! All we need to do is to provide the airplane id to this post type method as JSON string paramater in request body

Example Request:

<http://localhost:8080/airlinesWebApp-0.0.1-SNAPSHOT/rs/flight/findbyairplane>

```
{
  "id": 101
}
```

Example Response

```
{
  "id": 351,
  "flightnr": "567",
  "departureDate": "3/18/18",
  "departureTime": "3:30 PM",
  "arrivalDate": "3/18/18",
  "arrivalTime": "4:30 PM",
  "airplane": {
    "id": 101,
    "serialnr": "456",
    "model": "A380",
    "capacity": 50,
    "flights": []
  }
}
```