Airline API Documentation

Airport controller

1) Creating airport
   a) URL

   b) Request Body


```
{
  "cityName": "Istanbul",
  "countryName": "Turkey",
  "foundationDate": "18.07.1933",
  "name": "Sabiha Gökçen Uluslararası Havalimanı"
}
```

   c) Response Body

Response body

```json
{
    "airportId": "402881e7787e7c3e01787e8024460002",
    "name": "Sabiha Gökçen Uluslararası Havalimanı",
    "foundationDate": "1933-07-18T00:00:00.000+00:00",
    "countryName": "Turkey",
    "cityName": "Istanbul"
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Mon29 Mar 2021 15:00:30 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

```json
{
    "airportId": "402881e7787e7c3e01787e8024460002",
    "name": "Sabiha Gökçen Uluslararası Havalimanı",
    "foundationDate": "1933-07-18T00:00:00.000+00:00",
    "countryName": "Turkey",
    "cityName": "Istanbul"
}
```

d) cUrl

```
curl -X POST "http://localhost:8080/airport/create" -H "accept: */*" -H
"Content-Type: application/json" -d "{ \"cityName\": \"Istanbul\",
\"countryName\": \"Turkey\", \"foundationDate\": \"18.07.1933\", \"name\":
\"Sabiha Gökçen Uluslararası Havalimanı\"}"
```

2) Search Airport
   a) URL

Request URL

```
http://localhost:8080/airport/search?name=
```

b) Request

```
curl -X GET
"http://localhost:8080/airport/search?name=Sabiha%20G%C3%B6k%C3%A7
en%20Uluslararas%C4%B1%20Havaliman%C4%B1" -H "accept: */*"
```

c) Response

Response body

```json
{
    "airportId": "402881e7787e7c3e01787e8024460002",
    "name": "Sabiha Gökçen Uluslararası Havalimanı",
    "foundationDate": "1933-07-18T00:00:00.000+00:00",
    "countryName": "Turkey",
    "cityName": "Istanbul"
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Mon29 Mar 2021 15:05:52 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Airline Route controller

| POST | /airline/route/create | Creates Airport Route |

| GET | /airline/route/search/Id | Search Airport Route by Id |

| GET | /airline/route/search/routeName | Search Airport Route by Name |

1) Create
   a) Request

```
{
  "maxSeatNumber": 100,
  "routeLeg": {
    "arrivalAirport": "Adnan Menderes Havalimanı",
    "arrivalDateTime": "20.05.2021 13:00:00",
    "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
    "departureDateTime": "20.05.2021 12:00:00"
  },
  "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
  "ticketPrice": 100
}
```

```
{
  "maxSeatNumber": 100,
  "routeLeg": {
    "arrivalAirport": "Adnan Menderes Havalimanı",
    "arrivalDateTime": "20.05.2021 13:00:00",
    "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
    "departureDateTime": "20.05.2021 12:00:00"
  },
  "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes
Havalimanı",
  "ticketPrice": 100
}
```

b) Response

```
{
  "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
  "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
  "seatStatus": {
    "1": false,
    "2": false,
    "3": false,
    ......
    "97": false,
    "98": false,
    "99": false,
    "100": false
  },
  "routeLeg": {
    "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
    "arrivalAirport": "Adnan Menderes Havalimanı",
    "departureDateTime": "2021-05-20T12:00:00.000+00:00",
    "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
  },
  "ticketPrice": 100
}
```

2) Search by Route Id

   a) Request

Request URL

http://localhost:8080/airline/route/search/Id?routeId=402881e7787e7c3e01787ea2e5700007

   b) Response

```
{
  "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
  "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
  "seatStatus": {
    "1": false,
    "2": false,
    "3": false,
    ......
    "97": false,
    "98": false,
    "99": false,
    "100": false
  },
  "routeLeg": {
    "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
    "arrivalAirport": "Adnan Menderes Havalimanı",
    "departureDateTime": "2021-05-20T12:00:00.000+00:00",
    "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
  },
  "ticketPrice": 100
}
```

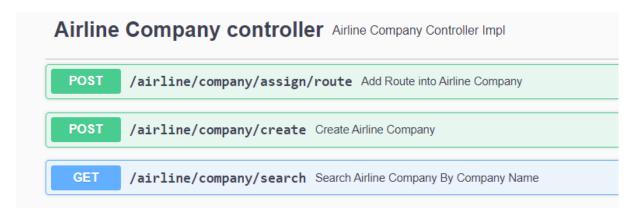3) Search by Route Name
   a) Request

   http://localhost:8080/airline/route/search/routeName?routeName=Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı

   b) Response

```
{
  "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
  "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
  "seatStatus": {
  "1": false,
  "2": false,
  "3": false,
  ......
  "97": false,
  "98": false,
  "99": false,
  "100": false
  },
  "routeLeg": {
  "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
  "arrivalAirport": "Adnan Menderes Havalimanı",
  "departureDateTime": "2021-05-20T12:00:00.000+00:00",
  "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
  },
  "ticketPrice": 100
}
```

Airline Company controller

Create

Request

```
{
  "companyName": "THY",
  "countryName": "Turkey",
  "foundationDate": "18.07.1933"
}
```

Response

```
{
  "airlineCompanyId": "402881e7787e7c3e01787e892b4a0004",
  "companyName": "THY",
  "foundationDate": "1933-07-18T00:00:00.000+00:00",
  "countryName": "Turkey",
  "routeList": null
}
```

Search

Request

Response

{
 "airlineCompanyId": "402881e7787e7c3e01787e892b4a0004",
 "companyName": "THY",
 "foundationDate": "1933-07-18T00:00:00.000+00:00",
 "countryName": "Turkey",
 "routeList": []
}

AssignRoute

1) Request

Sample assign created Route to THY

 THY -> 402881e7787e7c3e01787e892b4a0004

Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı -> 402881e7787e7c3e01787ea2e5700007

{
 "airlineCompanyId": "402881e7787e7c3e01787e892b4a0004",
 "routeId": "402881e7787e7c3e01787ea2e5700007"

}

2) Response

```
{
  "airlineCompanyId": "402881e7787e7c3e01787e892b4a0004",
  "companyName": "THY",
  "foundationDate": "1933-07-18T00:00:00.000+00:00",
  "countryName": "Turkey",
  "routeList": [
    {
      "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
      "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
      "seatStatus": {
        "1": false,
        "2": false,
        "3": false,
        "4": false,
        "5": false,
.....
        "97": false,
        "98": false,
        "99": false,
        "100": false
      },
  "routeLeg": {
    "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
    "arrivalAirport": "Adnan Menderes Havalimanı",
    "departureDateTime": "2021-05-20T12:00:00.000+00:00",
    "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
  },
  "ticketPrice": 100
}
```

Ticket controller

Buy Ticket

1) Request

```
{
  "creditCardNo": "string",
  "creditCardNumber": "1234-5678-9101-1121",
  "flyRouteId": "402881e7787583d70178758ec9160007",
  "seatNumber": 1,
  "ticketPrice": 100
}
```

Buy ticket Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı

```
{
  "creditCardNo": "string",
  "creditCardNumber": "1234-5678-9101-1121",
  "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
  "seatNumber": 1,
  "ticketPrice": 100
}
```

3) Response

```
{
  "ticketId": "402881e7787e7c3e01787eb0f3ec0008",
  "flyRoute": {
    "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
    "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
    "routeLeg": {
      "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
      "arrivalAirport": "Adnan Menderes Havalimanı",
      "departureDateTime": "2021-05-20T12:00:00.000+00:00",
      "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
    }
  },
  "seatNumber": 1,
  "creditCardNumber": "123456******1112",
  "ticketPrice": 100
}
```

Search Ticket

Request Response

Request URL

http://localhost:8080/ticket/search/Id?ticketId=402881e7787e7c3e01787eb0f3ec0008

Server response

Code	Details
200	**Response body**

```
{
    "ticketId": "402881e7787e7c3e01787eb0f3ec0008",
    "flyRoute": {
        "flyRouteId": "402881e7787e7c3e01787ea2e5700007",
        "routeName": "Sabiha Gökçen Uluslararası Havalimanı - Adnan Menderes Havalimanı",
        "routeLeg": {
            "departureAirport": "Sabiha Gökçen Uluslararası Havalimanı",
            "arrivalAirport": "Adnan Menderes Havalimanı",
            "departureDateTime": "2021-05-20T12:00:00.000+00:00",
            "arrivalDateTime": "2021-05-20T13:00:00.000+00:00"
        },
        "hibernateLazyInitializer": {}
    },
    "seatNumber": 1,
    "creditCardNumber": "123456******1112",
    "ticketPrice": 100
}
```

Request: curl -X GET
"http://localhost:8080/ticket/search/Id?ticketId=402881e7787e7c3e01787eb0f3ec0008" -H
"accept: */*"

Cancel Ticket

Request Response

Curl

```
curl -X GET "http://localhost:8080/ticket/cancel/Id?ticketId=402881e7787e7c3e01787eb0f3ec0008" -H "accept: */*"
```

Request URL

```
http://localhost:8080/ticket/cancel/Id?ticketId=402881e7787e7c3e01787eb0f3ec0008
```

Server response

Code	Details
200	**Response body**

```json
{
  "ticketId": "402881e7787e7c3e01787eb0f3ec0008",
  "flyRoute": null,
  "seatNumber": 1,
  "creditCardNumber": "123456******1112",
  "ticketPrice": 100
}
```