**Airport Ticketing System API Documentation**

**Airport**

* **GET**

<http://localhost:8080/airports>

[

    {

        "airportID": 1,

        "airportName": "Ankara Esenboğa Airport",

        "airportCode": "ESB",

        "airportDistrict": "Ankara"

    },

    {

        "airportID": 2,

        "airportName": "Atatürk Havalimanı",

        "airportCode": "IST",

        "airportDistrict": "İstanbul"

    },

    {

        "airportID": 3,

        "airportName": "İzmir Adnan Menderes Airport",

        "airportCode": "ADB",

        "airportDistrict": "İzmir"

    },

    {

        "airportID": 4,

        "airportName": "Sabiha Gökçen Havalimanı",

        "airportCode": "SAW",

        "airportDistrict": "İstanbul"

    },

    {

        "airportID": 5,

        "airportName": "KUS Airport",

        "airportCode": "KUS",

        "airportDistrict": "London"

    }

]

* **GET**

<http://localhost:8080/airports/searchAirports/3>

{

    "airportID": 3,

    "airportName": "İzmir Adnan Menderes Airport",

    "airportCode": "ADB",

    "airportDistrict": "İzmir"

}

* **POST**

<http://localhost:8080/airports/addAirport>

{

    "airportName": "Trabzon Airport",

    "airportCode": "TZX",

    "airportDistrict": "Trabzon"

}

**Airline**

* **GET**

<http://localhost:8080/airlines>

[

    {

        "airlineID": 1,

        "airlineName": "Türk Hava Yolları",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 2,

            "airportName": "Atatürk Havalimanı",

            "airportCode": "IST",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 3,

        "airlineName": "Turkish Airlines",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 2,

            "airportName": "Atatürk Havalimanı",

            "airportCode": "IST",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 5,

        "airlineName": "Turkish Airlines1",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 2,

            "airportName": "Atatürk Havalimanı",

            "airportCode": "IST",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 7,

        "airlineName": "Turkish",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 2,

            "airportName": "Atatürk Havalimanı",

            "airportCode": "IST",

            "airportDistrict": "İstanbul"

        }},

    {

        "airlineID": 8,

        "airlineName": "Pegasus Airlines",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 4,

            "airportName": "Sabiha Gökçen Havalimanı",

            "airportCode": "SAW",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 11,

        "airlineName": "Pegasus Airlines1",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 4,

            "airportName": "Sabiha Gökçen Havalimanı",

            "airportCode": "SAW",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 13,

        "airlineName": "Pegasus Airlines2",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 4,

            "airportName": "Sabiha Gökçen Havalimanı",

            "airportCode": "SAW",

            "airportDistrict": "İstanbul"

        }

    },

    {

        "airlineID": 15,

        "airlineName": "SunExpress",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 3,

            "airportName": "İzmir Adnan Menderes Airport",

            "airportCode": "ADB",

            "airportDistrict": "İzmir"

        }

    },

    {

        "airlineID": 16,

        "airlineName": "AnadoluJet",

        "airlineFlightType": "Domestic",

        "airportID": {

            "airportID": 1,

            "airportName": "Ankara Esenboğa Airport",

            "airportCode": "ESB",

            "airportDistrict": "Ankara"

        }

    },

{

        "airlineID": 17,

        "airlineName": "AtlasGlobal",

        "airlineFlightType": "Domestic",

        "airportID": {

            "airportID": 1,

            "airportName": "Ankara Esenboğa Airport",

            "airportCode": "ESB",

            "airportDistrict": "Ankara"

        }

    }

]

* **GET**

<http://localhost:8080/airlines/searchAirline/17>

{

    "airlineID": 17,

    "airlineName": "AtlasGlobal",

    "airlineFlightType": "Domestic",

    "airportID": {

        "airportID": 1,

        "airportName": "Ankara Esenboğa Airport",

        "airportCode": "ESB",

        "airportDistrict": "Ankara"

    }

}

* **POST**

<http://localhost:8080/airlines/addAirline>

{

"airlineName": "Yoad Airlines1",

"airlineFlightType": "Abroad",

"airportID": {

"airportID": 2,

"airportName": "Atatürk Havalimanı",

"airportCode": "IST",

"airportDistrict": "İstanbul"

}

}

**Flight**

* **GET**

<http://localhost:8080/flights>

[

    {

        "flightID": 1,

        "flightNumber": "TK7883",

        "flightCapacity": 330,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 1,

            "airlineName": "Türk Hava Yolları",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 2,

                "airportName": "Atatürk Havalimanı",

                "airportCode": "IST",

                "airportDistrict": "İstanbul"

            }

        }

    },

    {

        "flightID": 2,

        "flightNumber": "PG7885",

        "flightCapacity": 250,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 8,

            "airlineName": "Pegasus Airlines",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 4,

                "airportName": "Sabiha Gökçen Havalimanı",

                "airportCode": "SAW",

                "airportDistrict": "İstanbul"

            }

        }

    },

    {

        "flightID": 3,

        "flightNumber": "KKK7742",

        "flightCapacity": 200,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 17,

            "airlineName": "AtlasGlobal",

            "airlineFlightType": "Domestic",

            "airportID": {

                "airportID": 1,

                "airportName": "Ankara Esenboğa Airport",

                "airportCode": "ESB",

                "airportDistrict": "Ankara"

            }

        }

    },

    {

        "flightID": 4,

        "flightNumber": "SXX7512",

        "flightCapacity": 225,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 15,

            "airlineName": "SunExpress",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 3,

                "airportName": "İzmir Adnan Menderes Airport",

                "airportCode": "ADB",

                "airportDistrict": "İzmir"

            }

        }

    },

    {

        "flightID": 5,

        "flightNumber": "PG7882",

        "flightCapacity": 300,

        "flightType": "Charter",

        "airlineID": {

            "airlineID": 15,

            "airlineName": "SunExpress",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 3,

                "airportName": "İzmir Adnan Menderes Airport",

                "airportCode": "ADB",

                "airportDistrict": "İzmir"

            }

        }

    },

    {

        "flightID": 6,

        "flightNumber": "PKU7883",

        "flightCapacity": 300,

        "flightType": "Charter",

        "airlineID": {

            "airlineID": 1,

            "airlineName": "Türk Hava Yolları",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 2,

                "airportName": "Atatürk Havalimanı",

                "airportCode": "IST",

                "airportDistrict": "İstanbul"

            }

        }

    }

]

* **GET**

<http://localhost:8080/flights/searchFlight/6>

{

    "flightID": 6,

    "flightNumber": "PKU7883",

    "flightCapacity": 300,

    "flightType": "Charter",

    "airlineID": {

        "airlineID": 1,

        "airlineName": "Türk Hava Yolları",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 2,

            "airportName": "Atatürk Havalimanı",

            "airportCode": "IST",

            "airportDistrict": "İstanbul"

        }

    }

}

* **POST**

<http://localhost:8080/flights/addFlight>

{

"flightNumber": "KUS7883",

"flightCapacity": 350,

"flightType": "Charter",

"airlineID": {

"airlineID": 1,

"airlineName": "Türk Hava Yolları",

"airlineFlightType": "Mixed",

"airportID": {

"airportID": 2,

"airportName": "Atatürk Havalimanı",

"airportCode": "IST",

"airportDistrict": "İstanbul"

}

}

}

**Routes**

* **GET**

<http://localhost:8080/routes>

[

    {

        "routeID": 1,

        "routeFrom": "İstanbul",

        "routeTo": "New York",

        "routeType": "Abroad",

        "airlineID": {

            "airlineID": 1,

            "airlineName": "Türk Hava Yolları",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 2,

                "airportName": "Atatürk Havalimanı",

                "airportCode": "IST",

                "airportDistrict": "İstanbul"

            }

        },

        "flightID": {

            "flightID": 1,

            "flightNumber": "TK7883",

            "flightCapacity": 330,

            "flightType": "Scheduled",

            "airlineID": {

                "airlineID": 1,

                "airlineName": "Türk Hava Yolları",

                "airlineFlightType": "Mixed",

                "airportID": {

                    "airportID": 2,

                    "airportName": "Atatürk Havalimanı",

                    "airportCode": "IST",

                    "airportDistrict": "İstanbul"

                }

            }

        }

    },

    {

        "routeID": 2,

        "routeFrom": "İstanbul",

        "routeTo": "Antalya",

        "routeType": "Domestic",

        "airlineID": {

            "airlineID": 15,

            "airlineName": "SunExpress",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 3,

                "airportName": "İzmir Adnan Menderes Airport",

                "airportCode": "ADB",

                "airportDistrict": "İzmir"

            }

        },

        "flightID": {

            "flightID": 3,

            "flightNumber": "KKK7742",

            "flightCapacity": 200,

            "flightType": "Scheduled",

            "airlineID": {

                "airlineID": 17,

                "airlineName": "AtlasGlobal",

                "airlineFlightType": "Domestic",

                "airportID": {

                    "airportID": 1,

                    "airportName": "Ankara Esenboğa Airport",

                    "airportCode": "ESB",

                    "airportDistrict": "Ankara"

                }

            }

        }

    }

]

* **GET**

<http://localhost:8080/routes/searchRoute/2>

{

    "routeID": 2,

    "routeFrom": "İstanbul",

    "routeTo": "Antalya",

    "routeType": "Domestic",

    "airlineID": {

        "airlineID": 15,

        "airlineName": "SunExpress",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 3,

            "airportName": "İzmir Adnan Menderes Airport",

            "airportCode": "ADB",

            "airportDistrict": "İzmir"

        }

    },

    "flightID": {

        "flightID": 3,

        "flightNumber": "KKK7742",

        "flightCapacity": 200,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 17,

            "airlineName": "AtlasGlobal",

            "airlineFlightType": "Domestic",

            "airportID": {

                "airportID": 1,

                "airportName": "Ankara Esenboğa Airport",

                "airportCode": "ESB",

                "airportDistrict": "Ankara"

            }

        }

    }}

* **POST**

<http://localhost:8080/routes/addRoute>

{

    "routeID": 2,

    "routeFrom": "İstanbul",

    "routeTo": "Antalya",

    "routeType": "Domestic",

    "airlineID": {

        "airlineID": 15,

        "airlineName": "SunExpress",

        "airlineFlightType": "Mixed",

        "airportID": {

            "airportID": 3,

            "airportName": "İzmir Adnan Menderes Airport",

            "airportCode": "ADB",

            "airportDistrict": "İzmir"

        }

    },

    "flightID": {

        "flightID": 3,

        "flightNumber": "KKK7742",

        "flightCapacity": 200,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 17,

            "airlineName": "AtlasGlobal",

            "airlineFlightType": "Domestic",

            "airportID": {

                "airportID": 1,

                "airportName": "Ankara Esenboğa Airport",

                "airportCode": "ESB",

                "airportDistrict": "Ankara"

            }

        }

    }

}

**Ticket**

* **GET**

<http://localhost:8080/tickets>

[

    {

        "ticketID": 1,

        "ticketNumber": "TK21898929648",

        "ticketSold": 1,

        "ticketPrice": 2500.0,

        "passengerName": "İbrahim KUŞ",

        "flightID": {

            "flightID": 1,

            "flightNumber": "TK7883",

            "flightCapacity": 330,

            "flightType": "Scheduled",

            "airlineID": {

                "airlineID": 1,

                "airlineName": "Türk Hava Yolları",

                "airlineFlightType": "Mixed",

                "airportID": {

                    "airportID": 2,

                    "airportName": "Atatürk Havalimanı",

                    "airportCode": "IST",

                    "airportDistrict": "İstanbul"

                }

            }

        }

    },

    {

        "ticketID": 2,

        "ticketNumber": "TK21898929642",

        "ticketSold": 2,

        "ticketPrice": 2500.0,

        "passengerName": "Ibrahim2",

        "flightID": {

            "flightID": 1,

            "flightNumber": "TK7883",

            "flightCapacity": 330,

            "flightType": "Scheduled",

            "airlineID": {

                "airlineID": 1,

                "airlineName": "Türk Hava Yolları",

                "airlineFlightType": "Mixed",

                "airportID": {

                    "airportID": 2,

                    "airportName": "Atatürk Havalimanı",

                    "airportCode": "IST",

                    "airportDistrict": "İstanbul"

                }

            }

        }

    },

    {

        "ticketID": 3,

        "ticketNumber": "TK21898922341",

        "ticketSold": 1,

        "ticketPrice": 2500.0,

        "passengerName": "Ibrahim KUSS",

        "flightID": {

            "flightID": 1,

            "flightNumber": "TK7883",

            "flightCapacity": 330,

            "flightType": "Scheduled",

            "airlineID": {

                "airlineID": 1,

                "airlineName": "Türk Hava Yolları",

                "airlineFlightType": "Mixed",

                "airportID": {

                    "airportID": 2,

                    "airportName": "Atatürk Havalimanı",

                    "airportCode": "IST",

                    "airportDistrict": "İstanbul"           }}}}]

* **GET**

<http://localhost:8080/tickets/searchTicket/TK21898929642>

{

    "ticketID": 2,

    "ticketNumber": "TK21898929642",

    "ticketSold": 2,

    "ticketPrice": 2500.0,

    "passengerName": "Ibrahim2",

    "flightID": {

        "flightID": 1,

        "flightNumber": "TK7883",

        "flightCapacity": 330,

        "flightType": "Scheduled",

        "airlineID": {

            "airlineID": 1,

            "airlineName": "Türk Hava Yolları",

            "airlineFlightType": "Mixed",

            "airportID": {

                "airportID": 2,

                "airportName": "Atatürk Havalimanı",

                "airportCode": "IST",

                "airportDistrict": "İstanbul"

            }

        }

    }

}

* **DELETE**

<http://localhost:8080/tickets/deleteTicket/2>

{

"ticketID": 2,

"ticketNumber": "TK21898929642",

"ticketSold": 2,

"ticketPrice": 2500.0,

"passengerName": "Ibrahim2",

"flightID": {

"flightID": 1,

"flightNumber": "TK7883",

"flightCapacity": 330,

"flightType": "Scheduled",

"airlineID": {

"airlineID": 1,

"airlineName": "Türk Hava Yolları",

"airlineFlightType": "Mixed",

"airportID": {

"airportID": 2,

"airportName": "Atatürk Havalimanı",

"airportCode": "IST",

"airportDistrict": "İstanbul"

}

}

}

}