**List of REST end points**

1. **Airline Service**

* **Get list of airlines**

Request

GET /airline/rest/airline HTTP/1.1

Host: localhost:8080

Using http Get method.

Response header

**Content-Length →**184

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

**X-Powered-By →**Servlet/3.1 JSP/2.3 (GlassFish Server Open Source Edition 4.1 Java/Oracle Corporation/1.8)

Response body

[{"id":15001,"name":"ShamalFlies"},{"id":2,"name":"SkyTeam"},

{"id":10,"name":"oneworld"},{"id":17,"name":"North Star"},{"id":1101,"name":"ABC"}]

* **Get an airline**

Request

GET /airline/rest/airline/2 HTTP/1.1

Host: localhost:8080

Using http Get method.

Response header

**Content-Length →**25

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

**X-Powered-By →**Servlet/3.1 JSP/2.3 (GlassFish Server Open Source Edition 4.1 Java/Oracle Corporation/1.8)

Response body

{"id":2,"name":"SkyTeam"}

* **Create an airline**

Request

POST /airline/rest/airline HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Post method

{"id":20,"name":"Test"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"id":2,"name":"SkyTeam"}

* **Update an airline**

Request

PUT /airline/rest/airline/20 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Put method

{"id":20,"name":"Test New Airline"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"id":20,"name":"Test New Airline"}

* **Delete an airline**

Request

DELETE /airline/rest/airline/20 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Delete method

Response

204 No Content The server successfully processed the request, but is not returning any content.

1. **Airport Service**

* **Get list of airports**

Request

GET /airline/rest/airport HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

[{"airportcode":"AMS","city":"Amsterdam","country":"The Netherlands","id":4,"name":"Schiphol"},{"airportcode":"DTW","city":"Detroid","country":"USA","id":5,"name":"Detroid City"},{"airportcode":"NRT","city":"Tokyo","country":"Japan","id":8,"name":"Narita International Airport"}]

* **Get an airport**

Request

GET /airline/rest/airport/4 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

{"airportcode":"AMS","city":"Amsterdam","country":"The Netherlands","id":4,"name":"Schiphol"}

* **Create an airport**

Request

POST /airline/rest/airport HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Post method

**Request body**

{"airportcode":"AMS","city":"Amsterdam","country":"The Netherlands","id":4,"name":"Schiphol"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"airportcode":"AMS","city":"Amsterdam","country":"The Netherlands","id":4,"name":"Schiphol"}

* **Update an airport**

Request

PUT /airline/rest/airport/4 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Put method

{"airportcode":"AMS","city":"Amsterdam New","country":"The Netherlands","id":4,"name":"Schiphol"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"airportcode":"AMS","city":"Amsterdam New","country":"The Netherlands","id":4,"name":"Schiphol"}

* **Delete an airport**

Request

DELETE /airline/rest/airport /4 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Delete method

Response

204 No Content The server successfully processed the request, but is not returning any content.

1. **Airplane Service**

* **Get list of airplanes**

Request

GET /airline/rest/airplane HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

[{"capacity":519,"id":3,"model":"A380","serialnr":"12345"},{"capacity":416,"id":7,"model":"747","serialnr":"54321"},{"capacity":519,"id":11,"model":"A380","serialnr":"23451"},{"capacity":416,"id":15,"model":"747","serialnr":"43215"},{"capacity":519,"id":18,"model":"A380","serialnr":"34512"},{"capacity":416,"id":22,"model":"747","serialnr":"32154"}]

* **Get an airplane**

Request

GET /airline/rest/airplane/3 HTTP/1.1

Host: localhost:8080

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

{"capacity":519,"id":3,"model":"A380","serialnr":"12345"}

* **Create an airplane**

Request

POST /airline/rest/airplane HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Post method

**Request body**

{"capacity":519,"id":3,"model":"A380","serialnr":"12345"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"capacity":519,"id":3,"model":"A380","serialnr":"12345"}

* **Update an airplane**

Request

PUT /airline/rest/airplane/3 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Put method

{"capacity":600,"id":3,"model":"A380","serialnr":"12345"}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{"capacity":600,"id":3,"model":"A380","serialnr":"12345"}

* **Delete an airplane**

Request

DELETE /airline/rest/airplane /3 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Delete method

Response

204 No Content The server successfully processed the request, but is not returning any content.

1. **Flight Service**

* **Get list of flights**

Request

GET /airline/rest/flight HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

[{"airline":{"id":2,"name":"SkyTeam"},"airplane":{"capacity":519,"id":3,"model":"A380","serialnr":"12345"},"arrivalDate":"6/25/15","arrivalTime":"9:00 AM","departureDate":"8/6/09","departureTime":"7:10 PM","destination":{"airportcode":"AMS","city":"Amsterdam New","country":"TheNetherlands","id":4,"name":"Schiphol"},"flightnr":"NW36","id":1,"origin":{"airportcode":"DTW","city":"Detroid","country":"USA","id":5,"name":"DetroidCity"}},{"airline":{"id":2,"name":"SkyTeam"},"airplane":{"capacity":416,"id":7,"model":"747","serialnr":"54321"},"arrivalDate":"6/25/15","arrivalTime":"1:45PM","departureDate":"8/6/09","departureTime":"3:05PM","destination":{"airportcode":"DTW","city":"Detroid","country":"USA","id":5,"name":"Detroid City"},"flightnr":"NW 96","id":6,"origin":{"airportcode":"NRT","city":"Tokyo","country":"Japan","id":8,"name":"Narita International Airport"}}]

* **Get a flight**

Request

GET /airline/rest/flight/1 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using http Get method.

Response header

**Content-Type →**application/json

**Date →**Tue, 19 Jun 2018 02:48:38 GMT

**Server →**GlassFish Server Open Source Edition 4.1

Response body

{"airline":{"id":2,"name":"SkyTeam"},"airplane":{"capacity":519,"id":3,"model":"A380","serialnr":"12345"},"arrivalDate":"6/25/15","arrivalTime":"9:00AM","departureDate":"8/6/09","departureTime":"7:10 PM","destination":{"airportcode":"AMS","city":"Amsterdam New","country":"TheNetherlands","id":4,"name":"Schiphol"},"flightnr":"NW36","id":1,"origin":{"airportcode":"DTW","city":"Detroid","country":"USA","id":5,"name":"Detroid City"}}

* **Create a flight**

Request

POST /airline/rest/flight/create HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Post method

**Request body**

{"arrivalDate": "6/25/15", "arrivalTime": "1:45 PM","departureDate": "8/6/09", "departureTime": "3:05 PM","id":123,"flightnr":"Test","airlineId":2, "originId": 5,"destinationId": 8, "airplaneId": 7}

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

{

"airline": {

"id": 2,

"name": "SkyTeam"

},

"airplane": {

"capacity": 416,

"id": 7,

"model": "747",

"serialnr": "54321"

},

"arrivalDate": "6/25/15",

"arrivalTime": "1:45 PM",

"departureDate": "8/6/09",

"departureTime": "3:05 PM",

"destination": {

"airportcode": "NRT","city": "Tokyo",

"country": "Japan","id": 8,

"name": "Narita International Airport"

},

"flightnr": "Test",

"id": 1251,

"origin": {

"airportcode": "DTW",

"city": "Detroid",

"country": "USA",

"id": 5,"name": "Detroid City"

}

}

* **Update a flight**

Request

PUT /airline/rest/ flight /1251 HTTP/1.1

Host: localhost:8080

Content-Type: application/json

Using Http Put method

Response header

**Content-Length →**25

**Content-Type →**application/json

Response body

Getting a full updated flight object as in http POST method

* **Delete a flight**

Request

DELETE /airline/rest/flight/1 HTTP/1.1

Host: localhost:8080

Using Http Delete method

Response

204 No Content The server successfully processed the request, but is not returning any content.