**RAJ Airlines Web App**

URL : <http://localhost:8080/airlinesWebApp-A/>

1. **Airlines – Everything about your airlines**

**/airlines** Access to all airlines in the app

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| **Method** | **GET** |
| URL | /airlines |
| Parameters/No Parameters | No Parameters |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "id": 5051,  "name": "Silk Air"  },  {  "id": 5101,  "name": "American Airline"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  422 Unprocessable Entry |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airlines',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| **Method** | **GET -** Get airline by name |
| URL | /airlines/{name} |
| Parameters/No Parameters | (\*\* required) Airline name – that need to be fetched. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "id": 5051,  "name": "Silk Air"  }, |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  400 Bad Request |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airlines',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',  data:{name : “Silk Air”}      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| **Method** | **POST** |
| URL | /airlines |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\* |
| Example Request Model | {  "name": "Myanmar Airline"  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "id": 5151,  "name": "Myanmar Airline"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airlines',      dataType: "json",      type: "POST",      contentType: 'application/json; charset=utf-8',  data: JSON.stringify({name: ‘Myanmar Airlines’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| **Method** | **PUT** |
| URL | /airlines |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\*(id, name) |
| Example Request Model | {  "id": 5151,  "name": "Myanmar International Airline"  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "id": 5151,  "name": "Myanmar International Airline"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airlines',      dataType: "json",      type: "PUT",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify({name: ‘Myanmar International Airline’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| **Method** | **DELETE** |
| URL | /airlines/{id} |
| Parameters/No Parameters | id \*\*Required. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 400 Bad Request |
| Sample Ajax Call | /\*DELETE\*/  $.ajax({      url: 'airlines',      dataType: "json",      type: "DELETE",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify({id: 20}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

1. **Airplanes – Everything about airplanes**

**/airplanes** Access to all airplanes info

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| --- | --- |
| **Method** | **GET** |
| URL | /airplanes |
| Parameters/No Parameters | No Parameters |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "model": A380,  "capacity": "200"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  422 Unprocessable Entry |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| --- | --- |
| **Method** | **GET -** Get airplane by name |
| URL | /airplanes/{name} |
| Parameters/No Parameters | (\*\* required) Airplane name that need to be fetched. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "model": A380,  "capacity": "100"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  400 Bad Request |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',  data:{name : “Silk Air”}      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **POST** |
| URL | /airplanes |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\* |
| Example Request Model | {  "model": 747,  "capacity": "416"  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "model": 747,  "capacity": "416"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "POST",      contentType: 'application/json; charset=utf-8',  data: JSON.stringify({model: ‘747’},{capacity:’416’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

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| --- | --- |
| **Method** | **PUT** |
| URL | /airplanes |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\*(model, capacity) |
| Example Request Model | {  "model": 747,  "capacity": "416"  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "id": 5151,  "name": "Myanmar International Airline"  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "PUT",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify(({model: ‘747’},{capacity:’416’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **DELETE** |
| URL | /airplanes/{id} |
| Parameters/No Parameters | id \*\*Required. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 400 Bad Request |
| Sample Ajax Call | /\*DELETE\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "DELETE",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify({id: 20}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

1. **Airports – Everything about Airports**

**/airports** Access to all airports info

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| --- | --- |
| **Method** | **GET** |
| URL | /airports |
| Parameters/No Parameters | No Parameters |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "airportcode": AMS,  "city": "Amsterdam",  "country": The Netherlands,  "name": "Schiphol",  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  422 Unprocessable Entry |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airplanes',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **GET -** Get airport by name |
| URL | /airports/{name} |
| Parameters/No Parameters | (\*\* required) Airplane name that need to be fetched. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "airportcode": AMS,  "city": "Amsterdam",  "country": The Netherlands,  "name": "Schiphol",  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  400 Bad Request |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'airports',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',  data:{name : “Silk Air”}      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **POST** |
| URL | /airports |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\* |
| Example Request Model | {  "airportcode": ORD,  "city": "Chicago",  "country": "USA",  "name": "Chicago O'hare International",  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "airportcode": “ORD”,  "city": "Chicago",  "country": "USA",  "name": "Chicago O'hare International",  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airports',      dataType: "json",      type: "POST",      contentType: 'application/json; charset=utf-8',  data: JSON.stringify({airportcode: ‘ORD’},{‘city’:’Chicago’},{‘country’:’USA’},{‘name’:’Chicago O’hare International’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **PUT** |
| URL | /airports |
| Parameters/No Parameters | Parameters |
| Request Parameter Content Type | application/JSON |
| Body | Required\*\*(model, capacity) |
| Example Request Model | {  "airportcode": “ORD”,  "city": "Chicago",  "country": "USA",  "name": "Chicago O'hare International",  } |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  "airportcode": “ORD”,  "city": "Chicago",  "country": "USA",  "name": "Chicago O'hare International",  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 425 Unsupported Media Type  400 Invalid Entry |
| Sample Ajax Call | /\*POST\*/  $.ajax({      url: 'airports',      dataType: "json",      type: "PUT",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify({airportcode: ‘ORD’},{‘city’:’Chicago’},{‘country’:’USA’},{‘name’:’Chicago O’hare International’}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **DELETE** |
| URL | /airports/{id} |
| Parameters/No Parameters | id \*\*Required. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 400 Bad Request |
| Sample Ajax Call | /\*DELETE\*/  $.ajax({      url: 'airports',      dataType: "json",      type: "DELETE",      contentType: 'application/json; charset=utf-8',      data: JSON.stringify({id: 20}),      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

1. **Flights – Everything about Flights**

**/flights**  Access to all flights info

|  |  |
| --- | --- |
| **Method** | **GET** |
| URL | /flights |
| Parameters/No Parameters | No Parameters |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  “id”:”1”  "arrivaldate": “2015-06-25”,  "arrivaltime": " 09:00:00",  "departuredate": “2015-06-25”,  "departuretime": " 12:00:00",  “flight”:” NW 36”  "airline": “SilkAir”,  "Destination": "SFO",  “Origin”:”ORD”  }  {  “id”:”3”  "arrivaldate": “2015-06-25”,  "arrivaltime": " 09:00:00",  "departuredate": “2015-06-25”,  "departuretime": " 12:00:00",  “flight”:” NW 36”  "airline": “SilkAir”,  "Destination": "SFO",  “Origin”:”ORD”  } |
|  | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  422 Unprocessable Entry |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'flights',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |

|  |  |
| --- | --- |
| **Method** | **GET -** Get flight by name |
| URL | /flights/{name} |
| Parameters/No Parameters | (\*\* required) flight name that need to be fetched. |
| Response Content Type | application/JSON |
| Success Response | HTTP code - 200 |
| Example Value Model | {  “id”:”1”  "arrivaldate": “2015-06-25”,  "arrivaltime": " 09:00:00",  "departuredate": “2015-06-25”,  "departuretime": " 12:00:00",  “flight”:” NW 36”  "airline": “SilkAir”,  "Destination": "SFO",  “Origin”:”ORD”  } |
| Error Response | The endpoint will have many ways they can fail.  Example:  Code: 500 Server Error  400 Bad Request |
| Sample Ajax Call | /\*GET\*/  $.ajax({      url: 'flights',      dataType: "json",      type: "GET",      contentType: 'application/json; charset=utf-8',  data:{name : “Silk Air”}      success: function (data) {          alert(data);      },      error: function (xhr) {          alert('error');      }  }); |