

EMPLOYEE MANAGEMENT SYSTEM - REST API

Swagger URLs:

<http://localhost:9001/employee/swagger-ui/index.html>

The image shows the Swagger UI interface for the employee management system. The top bar includes the Swagger logo and a search bar with the text "/employee/v3/api-docs". A green "Explore" button is on the right. Below the search bar, the text "OpenAPI definition" is displayed with a "v0 OAS3" badge. A "Servers" section shows a dropdown menu with the selected server "http://localhost:9001/employee - Generated server url". The main section, titled "employee-api-controller", lists five API endpoints with their respective HTTP methods and status codes:

- PUT** /employeeApi/update
- POST** /employeeApi/save
- GET** /employeeApi/displayById/{id}
- GET** /employeeApi/displayAll
- DELETE** /employeeApi/delete/{id}

Display All Employees:

URL: /employeeApi/displayAll

The image shows the Swagger UI interface for the GET /employeeApi/displayAll endpoint. The top bar includes the Swagger logo and a search bar with the text "/employee/v3/api-docs". A green "Explore" button is on the right. Below the search bar, the text "OpenAPI definition" is displayed with a "v0 OAS3" badge. A "Servers" section shows a dropdown menu with the selected server "http://localhost:9001/employee - Generated server url". The main section, titled "employee-api-controller", lists five API endpoints with their respective HTTP methods and status codes:

- PUT** /employeeApi/update
- POST** /employeeApi/save
- GET** /employeeApi/displayById/{id}
- GET** /employeeApi/displayAll
- DELETE** /employeeApi/delete/{id}

The "GET /employeeApi/displayAll" endpoint is selected, and its details are shown below. The "Parameters" section indicates "No parameters". The "Responses" section shows a "200" status code with a "Response body" containing a JSON array of employee objects. The response body is displayed in a dark theme with a "Download" button. The "Response headers" section shows the following headers:

```
connection: keep-alive
content-type: application/json
date: Mon, 18 Jun 2024 12:51:31 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Display A Employee:
URL:employeeApi/displayById/{id}

GET

/employeeApi/displayById/{id}

Parameters

Cancel

Name	Description
id <small>required</small>	
integer(int64)	103
(path)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:9001/employee/employeesApi/displayById/103' \
-H 'accept: */*'
```

Request URL

```
http://localhost:9001/employee/employeesApi/displayById/103
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "employeeId": 103, "employeeName": "Ezhil", "employeeEmail": "ezhil@gmail.com", "location": "Chennai" }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>connection: keep-alive content-type: application/json date: Mon, 18 Jun 2024 13:02:25 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div></div>

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "employeeId": 0,
  "employeeName": "string",
  "employeeEmail": "string",
  "location": "string"
}
```

Save A Employee

URL: /employeeApi/save

The screenshot shows a REST client interface with a green header bar. The method is **POST** and the URL is **/employeeApi/save**. A **Cancel** button is in the top right. The **Parameters** tab is active, showing a table with two columns: **Name** and **Description**. The first row is **employeeDto** (marked as required) with the description **object (query)**. The JSON body is:

```
{  "employeeId": 108,  "employeeName": "Keerthi",  "employeeEmail": "keerthi@gmail.com",  "location": "Chennai"}
```

 Below the parameters is an **Execute** button and a **Clear** button. The **Responses** section shows the **Curl** command:

```
curl -X 'POST' \  'http://localhost:9001/employee/employeeApi/save?employeeId=108&employeeName=Keerthi&employeeEmail=keerthi4@gmail.com&location=Chennai' \  -H 'accept: */*' \  -d ''
```

 The **Request URL** is `http://localhost:9001/employee/employeeApi/save?employeeId=108&employeeName=Keerthi&employeeEmail=keerthi4@gmail.com&location=Chennai`. The **Server response** shows a **Code** of 200 and a **Response body** of "Employee Saved Successfully". A **Download** button is at the bottom right.

Update A Employee

URL: /employeeApi/update

The screenshot shows a REST client interface with an orange header bar. The method is **PUT** and the URL is **/employeeApi/update**. A **Cancel** button is in the top right. The **Parameters** tab is active, showing a table with two columns: **Name** and **Description**. The first row is **employeeDto** (marked as required) with the description **object (query)**. The JSON body is:

```
{  "employeeId": 108,  "employeeName": "Keerthi",  "employeeEmail": "keerthi@gmail.com",  "location": "Trichy"}
```

 Below the parameters is an **Execute** button and a **Clear** button. The **Responses** section shows the **Curl** command:

```
curl -X 'PUT' \  'http://localhost:9001/employee/employeeApi/update?employeeId=108&employeeName=Keerthi&employeeEmail=keerthi4@gmail.com&location=Trichy' \  -H 'accept: */*' \  -d ''
```

 The **Request URL** is `http://localhost:9001/employee/employeeApi/update?employeeId=108&employeeName=Keerthi&employeeEmail=keerthi4@gmail.com&location=Trichy`. The **Server response** shows a **Code** of 200 and a **Response body** of "Employee updated Successfully". A **Download** button is at the bottom right.

Delete A Employee

URL:/employeeApi/delete/{empId}

The screenshot shows an API client window titled "DELETE /employeeApi/delete/{empId}". It has a "Parameters" tab with a table for parameters. The parameter "empId" is marked as required and has a value of 106. Below the parameters is an "Execute" button and a "Clear" button. The "Responses" section shows the "Curl" command, the "Request URL" as "http://localhost:9001/employee/employeeApi/delete/106", and the "Server response" with a "Code" of 200 and a "Response body" of "Employee Deleted Successfully".

Name	Description
empId <small>required</small>	
integer(int64)	(path)

Execute Clear

Responses

Curl

```
curl -X 'DELETE' \
  'http://localhost:9001/employee/employeeApi/delete/106' \
  -H 'accept: */*'
```

Request URL

http://localhost:9001/employee/employeeApi/delete/106

Server response

Code	Details
200	<p>Response body</p> <p>Employee Deleted Successfully</p>

Download

URL:http://localhost:9001/employee/v3/api-docs

```
{
  "openapi": "3.0.1",
  "info": {
    "title": "OpenAPI definition",
    "version": "v0"
  },
  "servers": [
    {
      "url": "http://localhost:9001/employee",
      "description": "Generated server url"
    }
  ],
  "paths": {
    "/employeeApi/update": {
      "put": {
        "tags": [
          "employee-api-controller"
        ],
        "operationId": "updateEmployee",
        "parameters": [
          {
            "name": "employeeDto",
            "in": "query",
            "required": true,
            "schema": {
              "$ref": "#/components/schemas/EmployeeDto"
            }
          }
        ]
      }
    }
  }
}
```

```

"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "string"
        }
      }
    }
  }
},
"/employeeApi/save": {
  "post": {
    "tags": [
      "employee-api-controller"
    ],
    "operationId": "saveEmployee",
    "parameters": [
      {
        "name": "employeeDto",
        "in": "query",
        "required": true,
        "schema": {
          "$ref": "#/components/schemas/EmployeeDto"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  }
},
"/employeeApi/displayById/{id}": {
  "get": {
    "tags": [
      "employee-api-controller"
    ],
    "operationId": "displayEmployeeById",
    "parameters": [
      {

```

```

        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
            "type": "integer",
            "format": "int64"
        }
    },
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/EmployeeDto"
                    }
                }
            }
        }
    }
},
"/employeeApi/displayAll": {
    "get": {
        "tags": [
            "employee-api-controller"
        ],
        "operationId": "displayAllEmployees",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "*/*": {
                        "schema": {
                            "type": "array",
                            "items": {
                                "$ref": "#/components/schemas/EmployeeEntity"
                            }
                        }
                    }
                }
            }
        }
    }
},
"/employeeApi/delete/{empId}": {
    "delete": {
        "tags": [
            "employee-api-controller"
        ],
        "operationId": "deleteEmployee",

```

```
"parameters": [
  {
    "name": "empId",
    "in": "path",
    "required": true,
    "schema": {
      "type": "integer",
      "format": "int64"
    }
  }
],
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "string"
        }
      }
    }
  }
}
},
"components": {
  "schemas": {
    "EmployeeDto": {
      "type": "object",
      "properties": {
        "employeeId": {
          "type": "integer",
          "format": "int64"
        },
        "employeeName": {
          "type": "string"
        },
        "employeeEmail": {
          "type": "string"
        },
        "location": {
          "type": "string"
        }
      }
    },
    "EmployeeEntity": {
      "type": "object",
      "properties": {
        "id": {
          "type": "string"
        },

```

```
"employeeId": {
  "type": "integer",
  "format": "int64"
},
"employeeName": {
  "type": "string"
},
"employeeEmail": {
  "type": "string"
},
"location": {
  "type": "string"
},
"activeStatus": {
  "type": "boolean"
}
}
}
}
}
```