

OUTPUT

The image shows the Swagger UI interface for an API named "project1" (version 1.0, OAS3). The interface is displayed in a web browser at the URL "localhost:7269/swagger/index.html". The API is defined by the file "https://localhost:7269/swagger/v1/swagger.json".

The API endpoints are organized into three sections:

- Departments**
 - GET /api/Departments
 - POST /api/Departments
 - GET /api/Departments/{id}
 - PUT /api/Departments/{id}
 - DELETE /api/Departments/{id}
- Employees**
 - GET /api/Employees
 - POST /api/Employees
 - GET /api/Employees/{id}
 - PUT /api/Employees/{id}
 - DELETE /api/Employees/{id}
- WeatherForecast**
 - GET /WeatherForecast

At the bottom, there is a section for "Schemas".

The image shows the Swagger UI interface for the "Employees" endpoint, displaying the JSON response for the GET /api/Employees endpoint. The response is a list of four employee objects.

```
[{"empCode":101,"empName":"John Smith","email":"john.smith@example.com","dateOfBirth":"1990-05-15T00:00:00","departmentCode":1,"departmentCodeNavigation":null}, {"empCode":102,"empName":"Jane Doe","email":"jane.doe@example.com","dateOfBirth":"1988-09-23T00:00:00","departmentCode":2,"departmentCodeNavigation":null}, {"empCode":103,"empName":"Mike Johnson","email":"mike.johnson@example.com","dateOfBirth":"1995-02-10T00:00:00","departmentCode":3,"departmentCodeNavigation":null}, {"empCode":104,"empName":"Sarah Lee","email":"sarah.lee@example.com","dateOfBirth":"1993-11-30T00:00:00","departmentCode":4,"departmentCodeNavigation":null}]
```

POST-Operation → in Employees

Swagger UI interface showing the POST /api/Employees endpoint. The interface includes a "Parameters" section with "No parameters", a "Request body" section with a dropdown menu set to "application/json", and a "Responses" section. The request body contains a JSON object with employee details. The "Execute" button is highlighted in blue.

```
{  "empCode": 0,  "empName": "Yednesh",  "email": "yednesh@gmail.com",  "dateOfBirth": "2021-05-05T09:54:50.285Z",  "departmentCode": 2,  "departmentCodeNavigation": {    "deptCode": 2,    "deptName": "Marketing",    "employees": [      "string"    ]  }  }
```

Buttons: Execute, Clear, Cancel, Reset

Swagger UI interface showing the response of the POST /api/Employees endpoint. The response is a 400 status code with an error message: "Error: response status is 400". The response body contains a JSON object with error details. The "Download" button is highlighted in blue.

```
{  "type": "https://tools.ietf.org/html/rfc7231#section-6.5.1",  "title": "One or more validation errors occurred.",  "status": 400,  "traceId": "80-f82fa9a397a79cd1439b0e75d150245-8c6a8b926dd8e3-00",  "errors": {    "employee": [      "The employee field is required."    ],    "$.departmentCodeNavigation.employees[0]": [      "The JSON value could not be converted to project1.Models.Employee. Path: $.departmentCodeNavigation.employees[0] | LineNumber: 10 | BytePositionInLine: 14."    ]  }  }
```

Buttons: Download

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

undocumented Error: response status is 400

Response body

```
{
  "type": "https://tools.ietf.org/html/rfc7231section-6.5.1",
  "title": "One or more validation errors occurred.",
  "status": 400,
  "traceId": "00-f82fa9a397a79cd143908e75d150245-8c05a8b926add8e3-00",
  "errors": {
    "employee": [
      "The employee field is required."
    ]
  },
  "$departmentCodeNavigation.employees[0]": [
    "The JSON value could not be converted to project1.Models.Employee. Path: $.departmentCodeNavigation.employees[0] | LineNumber: 10 | BytePositionInLine: 14."
  ]
}
```

Response headers

```
content-type: application/problem+json; charset=utf-8
date: Tue, 05 Sep 2023 09:56:48 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls: Accept header

Example Value | Schema

```
{
  "empCode": 0,
  "empName": "string",
  "email": "string",
  "dateOfBirth": "2023-09-05T09:57:24.973Z",
  "departmentCode": 0,
  "departmentCodeNavigation": {
    "deptCode": 0,
    "deptName": "string",
    "employees": [
      "string"
    ]
  }
}
```

GET /api/Employees/{id}

PUT /api/Employees/{id}

GET Operation → in Employees

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

GET /api/Employees/{id}

Parameters

Name	Description
id * required	
integer(\$int32)	
(path)	

101

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7269/api/Employees/101' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:7269/api/Employees/101
```

Server response

Code	Details
200	<p>Response body</p> <pre>{ "empCode": 101, "empName": "John Smith", "email": "john.smith@example.com", "dateOfBirth": "1990-05-15T00:00:00", "departmentCode": 1, "departmentCodeNavigation": null }</pre>

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

PUT /api/employees/{id}

Parameters

Name	Description
id * required	Integer(\$int32) (path)

Request body

application/json

```
{  "empCode": 105,  "empName": "venkatesh",  "email": "as",  "dateOfBirth": "2023-09-05T10:08:23.620Z",  "departmentCode": 3,  "departmentCodeNavigation": {    "deptCode": 3,    "deptName": "IT",    "employees": [      "string"    ]  }  }
```

Execute Clear

Responses

Curl

```
curl -X 'PUT' \  'https://localhost:7269/api/employees/105' \  -H 'accept: */*' \  -H 'content-type: application/json' \  -d '{  "empCode": 105,  "empName": "venkatesh",  "email": "as",  "dateOfBirth": "2023-09-05T10:08:23.620Z",  "departmentCode": 3,  "departmentCodeNavigation": {    "deptCode": 3,    "deptName": "IT",    "employees": [      "string"    ]  }  }'
```

27°C Mostly cloudy | Search | 15:42 05-09-2023

PUT-Operation → in Employees

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

Curl

```
curl -X 'PUT' \  'https://localhost:7269/api/employees/105' \  -H 'accept: */*' \  -H 'content-type: application/json' \  -d '{  "empCode": 105,  "empName": "venkatesh",  "email": "as",  "dateOfBirth": "2023-09-05T10:08:23.620Z",  "departmentCode": 3,  "departmentCodeNavigation": {    "deptCode": 3,    "deptName": "IT",    "employees": [      "string"    ]  }  }'
```

Request URL

https://localhost:7269/api/employees/105

Server response

Code Details

400 Undocumented Error: response status is 400

Response body

```
{  "type": "https://tools.ietf.org/html/rfc7231#section-6.5.1",  "title": "One or more validation errors occurred.",  "status": 400,  "traceId": "00-2c8bdca0774fac0006305e31aedc57-43af4069be205dd-00",  "errors": {    "employees": [      "The employee field is required."    ],    "departmentCodeNavigation.employees[0]": [      "The JSON value could not be converted to project1.Models.Employee. Path: $.departmentCodeNavigation.employees[0] | LineNumber: 10 | BytePositionInLine: 14."    ]  }  }
```

Response headers

```
content-type: application/problem+json; charset=utf-8  date: Tue, 05 Sep 2023 10:10:43 GMT  server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

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DELETE-Operation

Swagger UI interface showing the DELETE operation for `/api/Employees/{id}`.

Parameters

Name	Description
<code>id</code> * required integer(int32) (path)	101

Execute **Clear**

Responses

204
Undocumented

Response headers

```
date: Tue, 05 Sep 2023 10:16:21 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

Overall Result

Swagger UI interface showing the overall result of the DELETE operation.

Response body

```
[{"empCode":102,"empName":"Jane Doe","email":"jane.doe@example.com","dateOfBirth":"1988-09-23T00:00:00","departmentCode":2,"departmentCodeNavigation":null}, {"empCode":103,"empName":"Mike Johnson","email":"mike.johnson@example.com","dateOfBirth":"1995-02-10T00:00:00","departmentCode":3,"departmentCodeNavigation":null}]
```