

OUTPUT

The image shows the Swagger UI interface for an API named "project1" (version 1.0.0). The interface is displayed in a web browser at the URL "localhost:7269/swagger/index.html". The API is defined by the OpenAPI specification "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

The bottom of the interface shows a "Schemas" section.

The image shows the Swagger UI interface for the API endpoint "localhost:7269/api/Employees". The interface is displayed in a web browser at the URL "localhost:7269/api/Employees".

The JSON response for the GET /api/Employees endpoint is displayed:

```
[{"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 a POST request to `/api/Employees`. The request body is a JSON object:

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

The interface includes buttons for **Execute** and **Clear**. The **Responses** section is currently empty.

Swagger UI interface showing the response of the POST request to `/api/Employees`. The response is a 400 status code with the following details:

Code: 400
Details: 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": "80182f9a2397a79cd143b0be75d150145-8c45ad0500dd8e3-00",  "errors": {    "employee": [      "The employee field is required."    ],    "$.departmentCodeNavigation.employees[0]": [      "The JSON value could not be converted to project.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 09:50:40 GMT
server: Kestrel
```

The interface includes a **Download** button for the response body.

Swagger UI

localhost:7269/api/employees

localhost:7269/swagger/index.html

Error response status is 400

Response body

```
{
  "type": "https://tools.ietf.org/html/rfc7159#section-6.3.1",
  "title": "One or more validation errors occurred.",
  "status": 400,
  "traceId": "00-faf5a577a5c6d1c3a6b57d3a5a5-5ca5a5b7a5a5-aa",
  "errors": {
    "employee": [
      "The employee field is required."
    ],
    "$.departmentCodeNavigation.employees[0]": [
      "The item value could not be converted to project1.Models.Employee. Path: $.departmentCodeNavigation.employees[0] | LineNumber: 10 | BytePositionInLine: 16."
    ]
  }
}
```

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

Example Value | Schema

```
{
  "empCode": 0,
  "empName": "string",
  "email": "string",
  "dateOfBirth": "1900-01-01T00:00:00",
  "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

Server response

Code Details

200

Response body

```
{
  "empCode": 101,
  "empName": "John Smith",
  "email": "john.smith@example.com",
  "dateOfBirth": "1990-05-15T00:00:00",
  "departmentCode": 1,
  "departmentCodeNavigation": null
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Tue, 05 Sep 2023 10:04:42 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

Media type

text/plain

Content Accept header

Example Value | Schema

```
{
  "empCode": 0,
  "empName": "string",
  "email": "string",
  "dateOfBirth": "2023-09-05T10:04:43.153Z",
  "departmentCode": 0,
  "departmentCodeNavigation": {
    "deptCode": 0,
    "deptName": "string",
    "employees": [
      "string"
    ]
  }
}
```

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Search

ENG IN

15:37 05-09-2023

PUT-Operation → in Employees

Swagger UI

localhost:7269/api/Employees

localhost:7269/swagger/index.html

PUT /api/Employees/{id}

Parameters

Name	Description
id * required	

integer (int32)

105

Request body

application/json

```
{
  "empCode": 105,
  "empName": "Venkatesh",
  "email": "V",
  "dateOfBirth": "2023-09-05T10:08:23.628Z",
  "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'
```

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15:42 05-09-2023

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

curl -X "PUT" \

```
https://localhost:7269/api/employees/101 \
```

```
-H "Accept: */*" \
```

```
-H "Content-Type: application/json" \
```

```
-d '{
```

```
  "empCode": 101,
```

```
  "employee": "venkatesh",
```

```
  "email": "a@",
```

```
  "dateOfBirth": "2023-09-05T10:00:23.620Z",
```

```
  "departmentCode": 3,
```

```
  "departmentCodeNavigation": {
```

```
    "deptCode": 3,
```

```
    "deptName": "IT",
```

```
    "employees": [
```

```
      "string"
```

```
    ]
```

```
  }
```

```
}'
```

Request URL

https://localhost:7269/api/employees/101

Server response

Code	Details
400	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": "06-2c8bdc-e0774fac-9004305c3e1aed557-43af44069ac205dd-00",
```

```
  "errors": [
```

```
    {
```

```
      "employee": {
```

```
        "the employee field is required."
```

```
      },
```

```
      "departmentCodeNavigation.employees[0]": [
```

```
        "the json value could not be converted to project.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
```

Code	Description	Links
200	Success	No links

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DELETE-Operation

Swagger UI | localhost:7269/api/employees

localhost:7269/swagger/index.html

DELETE /api/employees/{id}

Parameters

Name	Description
id	integer (int32) 101 (path)

Execute Clear

Responses

204

Response headers

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

```
server: Kestrel

| Code | Description | Links    |
|------|-------------|----------|
| 200  | Success     | No links |



WeatherForecast



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```

Overall Result

