- **Project Structure:**

- **Swagger UI Home**

- **Test GET /api/employees (seed data)**

Employees ⌃

GET `/api/Employees` ⌃

Parameters   Cancel

No parameters

| Execute | Clear |

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:32769/api/Employees' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:32769/api/Employees
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "id": 1,
    "name": "Dev Alice",
    "department": "DevOps"
  },
  {
    "id": 2,
    "name": "Dev Bob",
    "department": "QA"
  }
]
```

Download

Response headers

```
content-type: application/json; charset=utf-8
date: Wed,24 Sep 2025 22:40:45 GMT
server: Kestrel
```
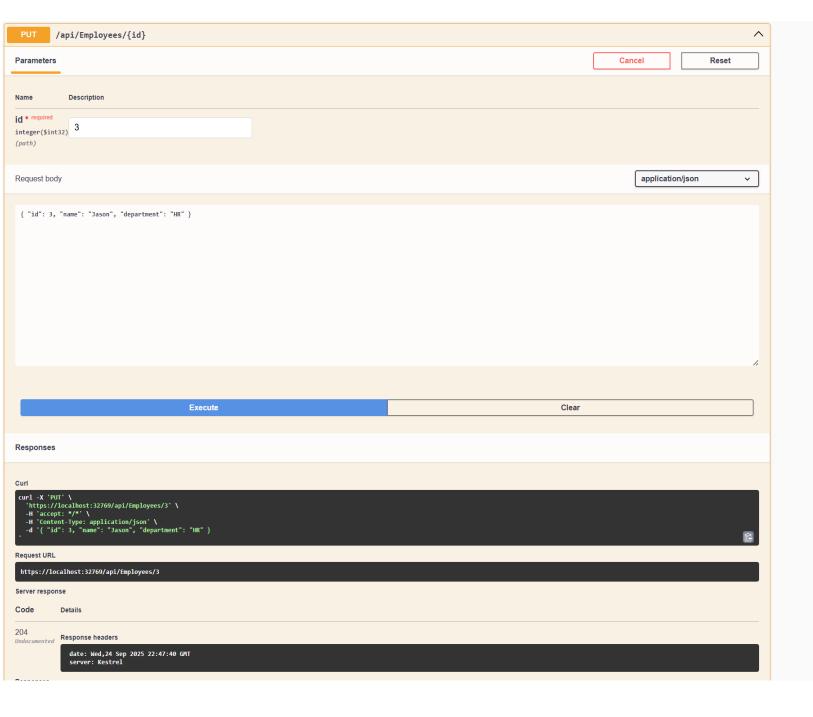
- **Test POST (Create) for Employee.**

Using the request,
{"id": 3, "name" : Jason, "department" : "IT"}

Request URL

```
https://localhost:32769/api/Employees
```

Server response

Code	Details
201 *Undocumented*	**Response body**

```
{
  "id": 3,
  "name": "Jason",
  "department": "IT"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed,24 Sep 2025 22:45:15 GMT
location: https://localhost:32769/api/Employees/3
server: Kestrel
```

Responses

- **Test PUT (Update) for Employee**

PUT	/api/Employees/{id}	∧

Parameters   Cancel   Reset

Name   **Description**

id * required
integer($int32)   `3`
(path)

Request body   application/json ⌄

```
{ "id": 3, "name": "Jason", "department": "HR" }
```

Execute	Clear

Responses

Curl

```
curl -X 'PUT' \
  'https://localhost:32769/api/Employees/3' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{ "id": 3, "name": "Jason", "department": "HR" }'
```

Request URL

```
https://localhost:32769/api/Employees/3
```

Server response

Code	Details
204	**Response headers**
Undocumented	```date: Wed,24 Sep 2025 22:47:40 GMT
server: Kestrel```

- **Test DELETE for Employee**

DELETE /api/Employees/{id} ∧

Parameters [Cancel]

Name	Description
id * required integer($int32) (path)	3

[Execute] [Clear]

Responses

Curl

```
curl -X 'DELETE' \
  'https://localhost:32769/api/Employees/3' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:32769/api/Employees/3
```

Server response

Code	Details
204 *Undocumented*	**Response headers** ```date: Wed,24 Sep 2025 22:48:51 GMT` `server: Kestrel```

- **Show GET /api/employees/{id} NotFound**

| GET | /api/Employees/{id} | ^ |

Parameters   Cancel

Name	Description
id * required integer($int32) *(path)*	3

| Execute | Clear |

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:32769/api/Employees/3' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:32769/api/Employees/3
```

Server response

Code	Details
404 *Undocumented*	Error: response status is 404

Response body

```
{
  "type": "https://tools.ietf.org/html/rfc9110#section-15.5.5",
  "title": "Not Found",
  "status": 404,
  "traceId": "00-cf4bbb89b1d9c93814868fd5b396f76a-a9e758bea11e220e-00"
}
```

Response headers

```
content-type: application/problem+json; charset=utf-8
date: Wed,24 Sep 2025 22:49:45 GMT
server: Kestrel
```

- **One request for PRODUCTS**

Products   ∧

GET	/api/Products	∧

Parameters   Cancel

No parameters

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:32769/api/Products' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:32769/api/Products
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "id": 1,
    "name": "Dev Product A",
    "price": 9.99
  },
  {
    "id": 2,
    "name": "Dev Product B",
    "price": 19.99
  }
]
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed,24 Sep 2025 22:56:03 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	OK	*No links*

- **Program Dependency Injection**

```
// Repositories & UoW (Dependency Injection)
builder.Services.AddScoped<IEmployeeRepository, EmployeeRepository>();
builder.Services.AddScoped<IProductRepository, ProductRepository>();
builder.Services.AddScoped<IUnitOfWork, UnitOfWork>();
```