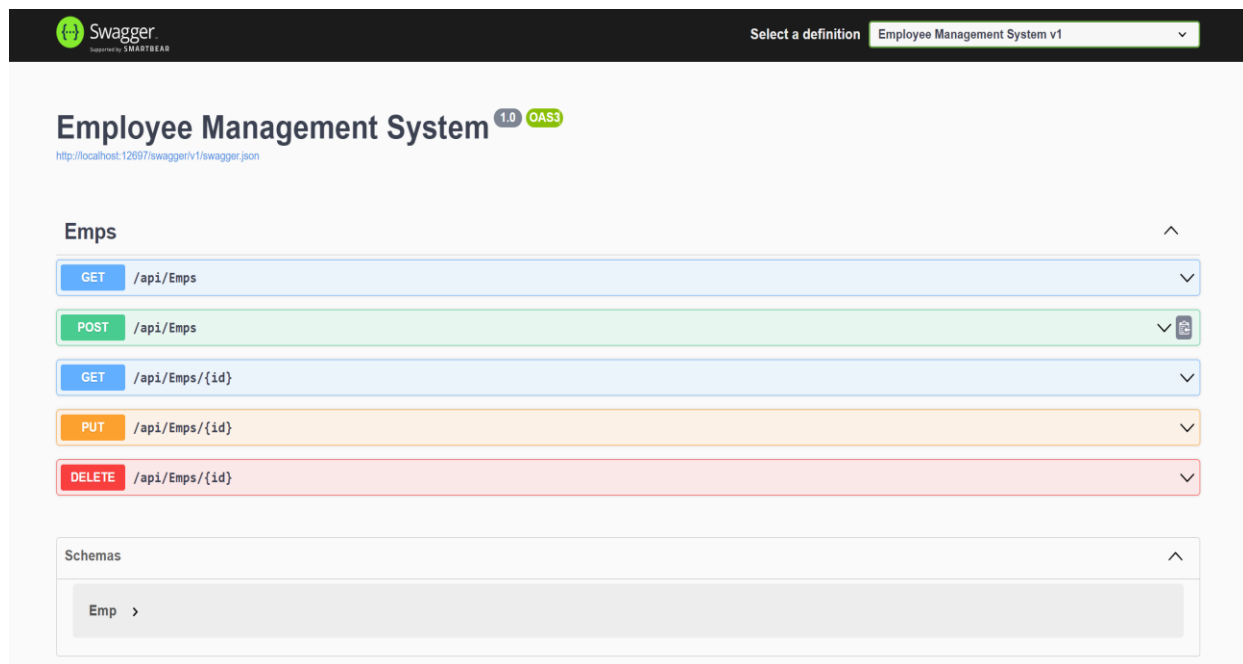


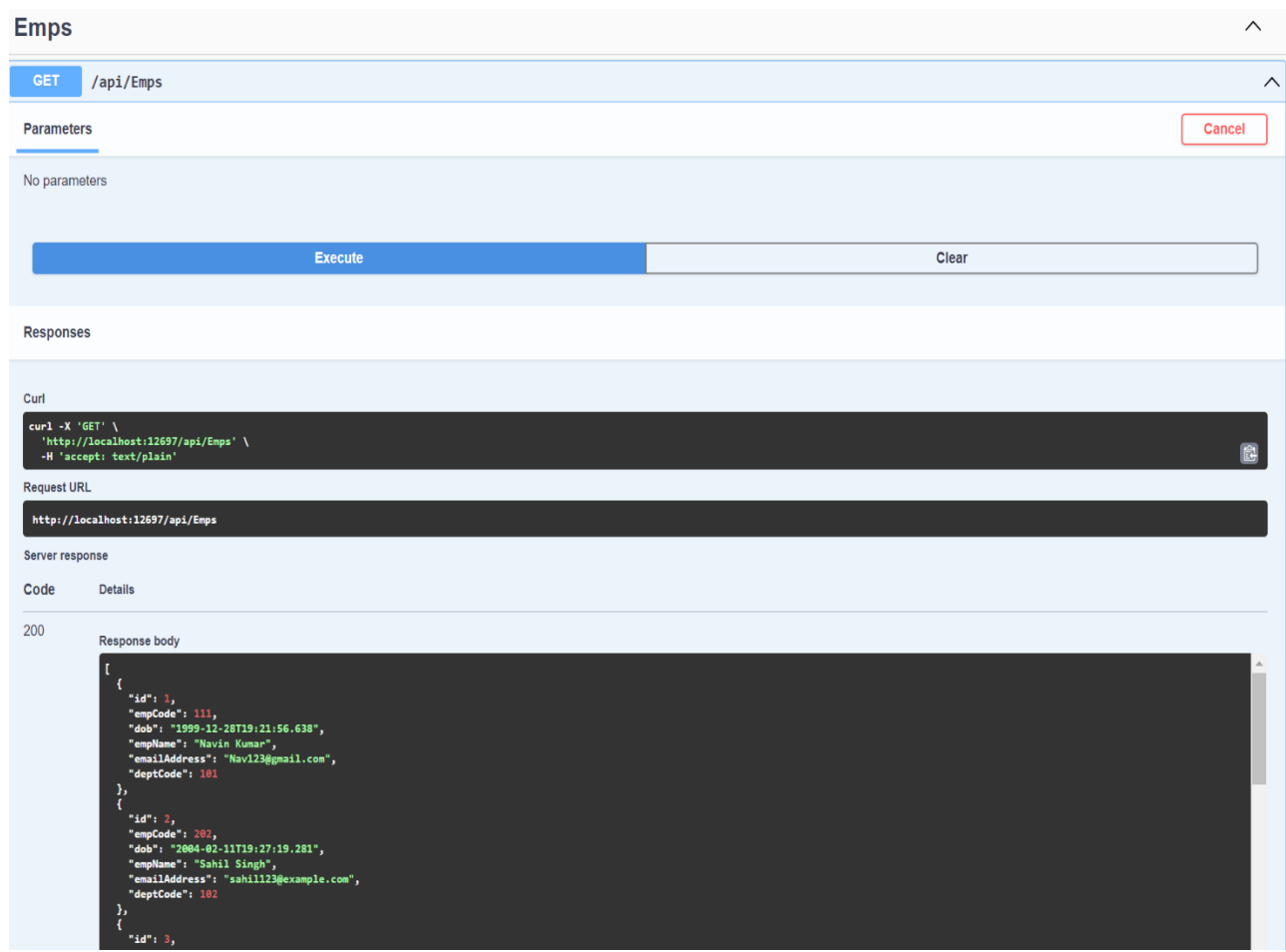
## EMPLOYEE MAGAEMENT SYSTEM:

<https://github.com/NavinKumar28/EMPLOYEE-MANAGEMENT-SYSTEM-WEB-API-SYSTEM->



SNAP OF GET EMPLOYEE DATA OF ALL THE DATA CREATED ARE STORED IN DATABASE AS WELL

1; GET/VIEW



POST/ADD ANY DATA OF EMPLOYEE CAN BE ADDED HERE IN THE APPLICATION:

POST

/api/Emps

Parameters

No parameters

Request body

application/json

```
{
  "id": 0,
  "empCode": 103,
  "dob": "2004-02-10T12:01:17.384Z",
  "empName": "RAHUL ARYA",
  "emailAddress": "rahularya@gmail.com",
  "deptCode": 109
}
```

Execute

Clear

DATA TO BE ADDED IN THE GIVEN FORMAT IN APPLICATION;

Curl

```
curl -X 'POST' \
  'http://localhost:12697/api/Emps' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/json' \
  -d '{
    "id": 0,
    "empCode": 103,
    "dob": "2004-02-10T12:01:17.384Z",
    "empName": "RAHUL ARYA",
    "emailAddress": "rahularya@gmail.com",
    "deptCode": 109
  }'
```

Request URL

http://localhost:12697/api/Emps

Server response

| Code | Details  |
|------|--|
| 201  | <div><div>Response body</div><div><pre>{   "id": 13,   "empCode": 103,   "dob": "2004-02-10T12:01:17.384Z",   "empName": "RAHUL ARYA",   "emailAddress": "rahularya@gmail.com",   "deptCode": 109 }</pre></div><div>Download</div></div> |

Response headers

```
content-type: application/json; charset=utf-8
date: Sat, 10 Feb 2024 12:05:10 GMT
location: http://localhost:12697/api/Emps/13
server: Microsoft-IIS/10.0
transfer-encoding: chunked
x-powered-by: ASP.NET
```

Responses

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

SO ,WE CAN SEE ID =13 EMPLOYEE HAS BEEN CREATED AND HIS EMPNAME ,EMPCODE,DOB,EMAIL,DEPTCODE, IS ENTERED IN THE APPLICATION AND IT IS UPADATED IN THE DATABASE AT THE SAME TIME

SNAP OF DB;

|    | Id | EmpCode | DOB            | EmpName       | EmailAddress            | DeptCode |
|----|----|---------|----------------|---------------|-------------------------|----------|
| 1  | 1  | 111     | 1999-12-28 ... | Navin Kumar   | Nav123@gmail.com        | 101      |
| 2  | 2  | 202     | 2004-02-11 ... | Sahil Singh   | sahil123@example.com    | 102      |
| 3  | 3  | 301     | 2023-01-01 ... | Amit Patel    | amit.patel@gmail.com    | 103      |
| 4  | 4  | 302     | 2023-01-02 ... | Rajesh Sharma | rajesh.sharma@gmail.com | 102      |
| 5  | 5  | 303     | 2023-01-03 ... | Deepika Singh | deepika.singh@gmail.com | 105      |
| 6  | 6  | 304     | 2023-01-04 ... | Neha Gupta    | neha.gupta@gmail.com    | 101      |
| 7  | 7  | 305     | 2023-01-05 ... | Sanjay Kumar  | sanjay.kumar@gmail.com  | 107      |
| 8  | 8  | 306     | 2023-01-06 ... | Priya Shah    | priya.shah@gmail.com    | 108      |
| 9  | 9  | 307     | 2023-01-07 ... | Vivek Mishra  | vivek.mishra@gmail.com  | 103      |
| 10 | 10 | 308     | 2023-01-08 ... | Pooja Mehta   | pooja.mehta@gmail.com   | 108      |
| 11 | 11 | 309     | 2023-01-09 ... | Rohit Singh   | rohit.singh@gmail.com   | 101      |
| 12 | 12 | 310     | 2023-01-10 ... | Anjali Sharma | anjali.sharma@gmail.com | 102      |
| 13 | 13 | 103     | 2004-02-10 ... | RAHUL ARYA    | rahularya@gmail.com     | 109      |

SO EVERY ENTRY IS UPDATED IN THE DATABASE AT THE SAME TIME AS WE USE THE APPLICATION POST/ADD

NOW IF WE WANT TO SEARCH ANY EMPLOYEE HISTORY BY HIS ID WE WILL USE **[GET ID]** API IN THE APPLICATION;

GET /api/Emps/{id}

Parameters

Cancel

| Name                       | Description |
|----------------------------|-------------|
| id <small>required</small> |             |
| integer(\$int32)           | 13          |
| (path)                     |             |

ExecuteClear

Responses

Curl

curl -X 'GET' \n'http://localhost:12697/api/Emps/13' \n-H 'accept: text/plain'

Request URL

http://localhost:12697/api/Emps/13

Server response

| Code | Details  |
|------|--|
| 200  | <div>Response body</div> <div>{\n  "id": 13,\n  "empCode": 103,\n  "dob": "2004-02-10T12:01:17.384",\n  "empName": "RAHUL ARYA",\n  "emailAddress": "rahularya@gmail.com",\n  "deptCode": 109\n}</div> <div>Download</div> |

SO, WE GET THE EMPLOYEE DETAILS BY ID 13.

SIMILARLY, IF WE WANT TO UPDATE ANY EMPLOYEE DEPTCODE IT CAN BE DONE USING [PUT/UPDATE]

PUT /api/Emps/{id}

Parameters

Name

Description

Id 

required

integer(\$int32)

13

(path)

Request body

application/json

{  
 "id": 13,  
 "empCode": 103,  
 "dob": "2004-02-10T12:01:17.384",  
 "empName": "RAHUL ARYA",  
 "emailAddress": "rahularya@gmail.com",  
 "deptCode": 107  
}

Execute

Clear

Responses

Curl

```
curl -X 'PUT' \
  'http://localhost:12697/api/Emps/13' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "id": 13,
    "empCode": 103,
    "dob": "2004-02-10T12:01:17.384",
    "empName": "RAHUL ARYA",
    "emailAddress": "rahularya@gmail.com",
    "deptCode": 107
  }'
```

Request URL

http://localhost:12697/api/Emps/13

Server response

Code

Details

204

Undocumented

Response headers

date: Sat, 10 Feb 2024 12:27:23 GMT

server: Microsoft-IIS/10.0

x-powered-by: ASP.NET

Responses

Code

Description

Links

200

Success

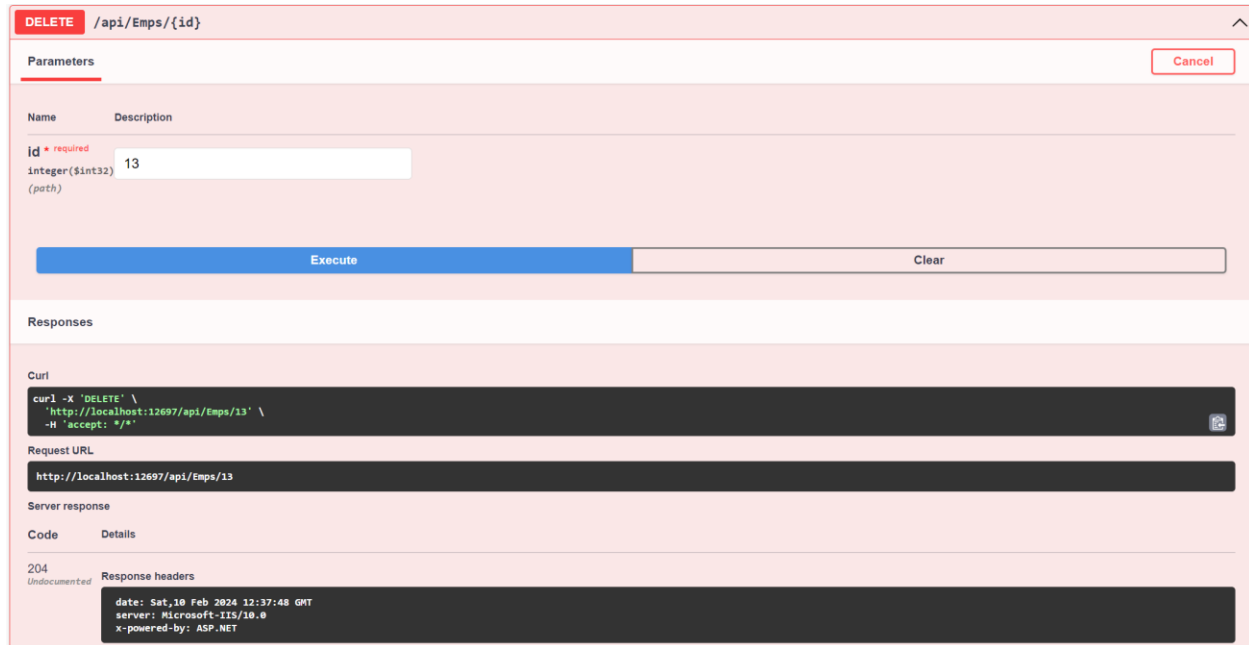
No links

PREVIOUSLY DEPTCODE WAS 109 BUT NOW HE IS PROMOTED TO NEW DEPTCODE: 107, SO HERE I HAVE UPADTED HIS DEPTCODE AND HIS DATA IS NOW UPADTED BY THE APPLICATION AS WELL AS IN DATABASE ASLO:

|    | Id | EmpCode | DOB                         | EmpName       | EmailAddress            | DeptCode |
|----|----|---------|-----------------------------|---------------|-------------------------|----------|
| 1  | 1  | 111     | 1999-12-28 19:21:56.6380000 | Navin Kumar   | Nav123@gmail.com        | 101      |
| 2  | 2  | 202     | 2004-02-11 19:27:19.2810000 | Sahil Singh   | sahil123@example.com    | 102      |
| 3  | 3  | 301     | 2023-01-01 10:00:00.0000000 | Amit Patel    | amit.patel@gmail.com    | 103      |
| 4  | 4  | 302     | 2023-01-02 10:00:00.0000000 | Rajesh Sharma | rajesh.sharma@gmail.com | 102      |
| 5  | 5  | 303     | 2023-01-03 10:00:00.0000000 | Deepika Singh | deepika.singh@gmail.com | 105      |
| 6  | 6  | 304     | 2023-01-04 10:00:00.0000000 | Neha Gupta    | neha.gupta@gmail.com    | 101      |
| 7  | 7  | 305     | 2023-01-05 10:00:00.0000000 | Sanjay Kumar  | sanjay.kumar@gmail.com  | 107      |
| 8  | 8  | 306     | 2023-01-06 10:00:00.0000000 | Priya Shah    | priya.shah@gmail.com    | 108      |
| 9  | 9  | 307     | 2023-01-07 10:00:00.0000000 | Vivek Mishra  | vivek.mishra@gmail.com  | 103      |
| 10 | 10 | 308     | 2023-01-08 10:00:00.0000000 | Pooja Mehta   | pooja.mehta@gmail.com   | 108      |
| 11 | 11 | 309     | 2023-01-09 10:00:00.0000000 | Rohit Singh   | rohit.singh@gmail.com   | 101      |
| 12 | 12 | 310     | 2023-01-10 10:00:00.0000000 | Anjali Sharma | anjali.sharma@gmail.com | 102      |
| 13 | 13 | 103     | 2004-02-10 12:01:17.3840000 | RAHUL ARYA    | rahularya@gmail.com     | 107      |

SO, WE CAN SEE HIS DEPTCODE IS ALSO UPDATED IN THE SAME TIME AS IT IS UPDATED IN THE APPLICATION.

NOW IF WE WANT TO DELETE ANY EMPLOYEE DATA, WE CAN EASILY DELETE IT BY HIS ID THIS APPLICATION AND CHANGES WILL REFLECT IN DATABASE ALSO;



**DELETE** /api/Emps/{id}

Parameters

Name Description

id \* required integer(int32) 13 (path)

Execute Clear

Responses

Curl

```
curl -X 'DELETE' \
'http://localhost:12697/api/Emps/13' \
-H 'accept: */*'
```

Request URL

http://localhost:12697/api/Emps/13

Server response

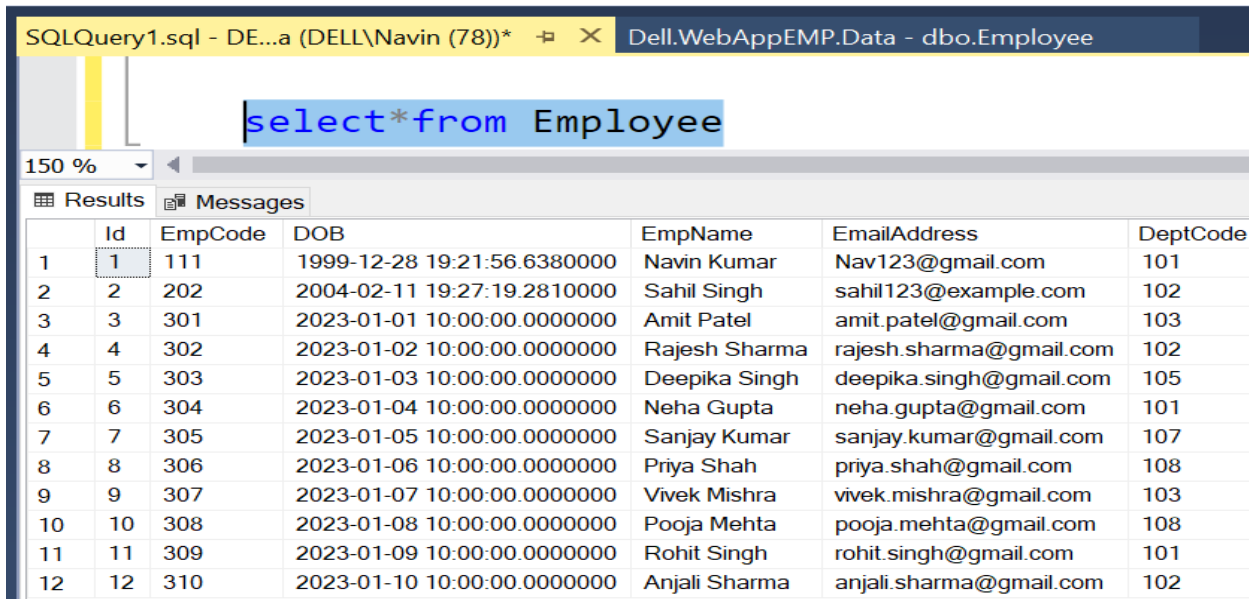
Code Details

204 Undocumented

Response headers

```
date: Sat, 10 Feb 2024 12:37:48 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

AS WE DELETED **EMPLOYEE ID 13**, IT IS ALSO DELETED FROM THE DATABASE ALSO;



SQLQuery1.sql - DE...a (DELL\Navin (78))\* Dell.WebAppEMP.Data - dbo.Employee

`select * from Employee`

150 %

Results Messages

|    | Id | EmpCode | DOB                         | EmpName       | EmailAddress            | DeptCode |
|----|----|---------|-----------------------------|---------------|-------------------------|----------|
| 1  | 1  | 111     | 1999-12-28 19:21:56.6380000 | Navin Kumar   | Nav123@gmail.com        | 101      |
| 2  | 2  | 202     | 2004-02-11 19:27:19.2810000 | Sahil Singh   | sahil123@example.com    | 102      |
| 3  | 3  | 301     | 2023-01-01 10:00:00.0000000 | Amit Patel    | amit.patel@gmail.com    | 103      |
| 4  | 4  | 302     | 2023-01-02 10:00:00.0000000 | Rajesh Sharma | rajesh.sharma@gmail.com | 102      |
| 5  | 5  | 303     | 2023-01-03 10:00:00.0000000 | Deepika Singh | deepika.singh@gmail.com | 105      |
| 6  | 6  | 304     | 2023-01-04 10:00:00.0000000 | Neha Gupta    | neha.gupta@gmail.com    | 101      |
| 7  | 7  | 305     | 2023-01-05 10:00:00.0000000 | Sanjay Kumar  | sanjay.kumar@gmail.com  | 107      |
| 8  | 8  | 306     | 2023-01-06 10:00:00.0000000 | Priya Shah    | priya.shah@gmail.com    | 108      |
| 9  | 9  | 307     | 2023-01-07 10:00:00.0000000 | Vivek Mishra  | vivek.mishra@gmail.com  | 103      |
| 10 | 10 | 308     | 2023-01-08 10:00:00.0000000 | Pooja Mehta   | pooja.mehta@gmail.com   | 108      |
| 11 | 11 | 309     | 2023-01-09 10:00:00.0000000 | Rohit Singh   | rohit.singh@gmail.com   | 101      |
| 12 | 12 | 310     | 2023-01-10 10:00:00.0000000 | Anjali Sharma | anjali.sharma@gmail.com | 102      |

SEE THE **EMPLOYEE DATA WITH ID 13 IS DELETED FROM DATABASE AS WELL,**

**SO WE CAN CONCLUDE THAT THE APPLICATION IS WORKING COMPLETELY FINE AND CAN BE USED BY ANY COMPANY TO ADD/VIEW/UPDATE/DELETE EMPLOYEES.**