

GitHubLink:- https://github.com/prashant-dotnet-pune/EmployeeAPI_WebApi

EmployeeWebApi Application:

The screenshot shows the Visual Studio IDE interface for the EmployeeAPI_WebApi project. The Solution Explorer on the right lists files such as appsettings.json, launchSettings.json, EmployeeController.cs, Employee.cs, and WeatherForecastController.cs. The EmployeeController.cs file is open in the code editor, displaying C# code for an ASP.NET Core Web API controller. The code includes namespaces for EmployeeAPI.Models, EmployeeAPI.Repository, Microsoft.AspNetCore.Http, and Microsoft.AspNetCore.Mvc. It defines a class EmployeeController that inherits from ControllerBase, containing methods GetAllEmployees() and GetEmployeeById(). The Employee.cs file is also visible in the Solution Explorer.

Console App :

The screenshot shows the Visual Studio IDE interface for the EmployeeAPI-ClientApp project. The Solution Explorer on the right lists files such as packages.config, App.config, Program.cs, Employee.cs, and EmployeeClientApp.cs. The Program.cs file is open in the code editor, displaying C# code for a console application. It uses System.Threading.Tasks and System.Net.Http. The code defines a static HttpClient client and an internal class Program with a Main method. The Main method initializes the client, sets the base address to https://localhost:7010/api/employee/, and enters a loop where it prints menu options and handles user input to either get all employees or get an employee by ID. The Employee.cs file is also visible in the Solution Explorer.

EmployeeAPI_WebApi 1.0 OAS 3.0

<https://localhost:7018/swagger/v1/swagger.json>

Employee

GET	/api/Employee	<input checked="" type="checkbox"/>
POST	/api/Employee	<input type="checkbox"/>
GET	/api/Employee/{id}	<input type="checkbox"/>
PUT	/api/Employee/{id}	<input type="checkbox"/>
DELETE	/api/Employee/{id}	<input type="checkbox"/>
GET	/api/Employee/bydept/{dept}	<input type="checkbox"/>
PATCH	/api/Employee/updateEmail/{id}	<input type="checkbox"/>

Swagger output

1.) GetAllEmployee

The screenshot shows the Swagger UI interface for the GetAllEmployee endpoint. At the top, there's a curl command:

```
curl -X 'GET' \
  'https://localhost:7018/api/Employee' \
  -H 'Accept: */*'
```

Below it is the Request URL: <https://localhost:7018/api/Employee>. The Server response section shows a 200 OK status with the following JSON body:

```
[{"id": 1, "name": "Prashant", "department": "IT", "mobileNo": "9876543210", "email": "prashant@mail.com"}, {"id": 2, "name": "Vishal", "department": "HR", "mobileNo": "989877654322", "email": "vishu@mail.com"}, {"id": 3, "name": "Neha", "department": "Finance", "mobileNo": "8887766655", "email": "neha@mail.com"}, {"id": 5, "name": "Kayan", "department": "QE", "mobileNo": "556109870188", "email": "user@example.com"}]
```

There are download and copy buttons next to the JSON body. Below the response, the Response headers section shows:

```
content-type: application/json; charset=utf-8
date: Wed, 08 Oct 2025 11:05:19 GMT
server: Kestrel
```

The Responses section lists a 200 OK response with no links.

2)AddEmployeee

The screenshot shows a browser interface with a "Responses" tab selected. Under the "Curl" section, a command is shown to post data to "https://localhost:7018/api/Employee". The "Request URL" is also displayed. Below the curl command, the "Server response" is shown with a status code of 200 and a body containing the message "Addes sucessfully". The "Response headers" section shows standard HTTP headers like Content-Type, Date, and Server. At the bottom, there's a "Responses" table with a single row for code 200 and description "OK". The browser's taskbar at the bottom shows various open tabs and icons.

I have added remaining output Of console App because it will be to much screenShot :-)

ConsoleApp Interface:-

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 1
```

1.) GetAllEmployee

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 1
Status: OK

All Employees:
[{"id":1,"name":"Prashant","department":"IT","mobileNo":"9876543210","email":"prashant@mail.com"}, {"id":2,"name":"Vishal","department":"HR","mobileNo":"999887776","email":"vishal@mail.com"}, {"id":3,"name":"Neha","department":"Finance","mobileNo":"8887776665","email":"neha@mail.com"}, {"id":5,"name":"Mayur","department":"SDE","mobileNo":"5861070188","email":"user@example.com"}]
```

2) GetEmployeeById

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 2
Enter Employee ID: 1
Status: OK
{"id":1,"name":"Prashant","department":"IT","mobileNo":"9876543210","email":"prashant@mail.com"}
```

Add New Employee

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 3
Enter ID: 12
Enter Name: harshal
Enter Department: Finance
Enter Mobile No: 1234567890
Enter Email: asdfg@gmail.com
"Addes sucessfully"
```

Add Employee

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 4
Enter Employee ID: 1
Enter Name: shweta
Enter Department: P&C
Enter Mobile No: 1234567899
Enter Email: sdjfg@gmail.com
```

Delete Employee

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 6
Enter Employee ID: 1

===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 1
Status: OK

All Employees:
[{"id":2,"name":"Vishal","department":"HR","mobileNo":"9998887776","email":"vishal@mail.com"}, {"id":3,"name":"Neha","department":"Finance","mobileNo":"888776665","email":"neha@mail.com"}, {"id":5,"name":"Mayur","department":"SDE","mobileNo":"5861070188","email":"user@example.com"}, {"id":12,"name":"Harshal","department":"Finance","mobileNo":"1234567890","email":"asdfg@gmail.com"}, {"id":14,"name":"Harshal","department":"Finance","mobileNo":"9949206005","email":"user@example.com"}]
```

UpdateEmail

```
===== Employee Client Menu =====
1. Get All Employees
2. Get Employee by ID
3. Add New Employee
4. Update Employee
5. Update Employee Email
6. Delete Employee
7. Exit
Enter your choice: 5
Enter Employee ID: 2
Enter New Email: prashant@gmail.com
```


AddEmployeee