# Employee Management API

is a sample API, created using web API .NET Core 5 and connected with SQL Server DB through EF Core,

Project structure I used onion architecture design pattern

Project Structure:

1. Infrastructure
2. Entities --Reference from-- > Infrastructure
3. Repository --Reference from-- > Entities
4. EmployeeManagement\_BLL --Reference from-- > Repository
5. EmployeeManagement\_API --Reference from-- > Infrastructure , EmployeeManagement\_BLL

#API Methods

Employee CRUD

| **API Route** | **Request Body** | **Response Body** |
| --- | --- | --- |
| **[HttpGet]**  **/api/Employee/Get** |  | [  {  "id": 3,  "departmentId": 2,  "countryId": 1,  "fullName": "qqq",  "salary": 1212,  "phone": "0770542452"  },  {  "id": 5,  "departmentId": 3,  "countryId": 1,  "fullName": "msafi",  "salary": 1212,  "phone": "0770542452"  }  ] |
| **[HttpGet]**  **/api/Employee/Get/3** |  | {  "id": 3,  "departmentId": 2,  "countryId": 1,  "fullName": "qqq",  "salary": 1212,  "phone": "0770542452"  } |
| **[HttpPost]**  **/api/Employee/Create** | {  "departmentId": 0,  "countryId": 0,  "fullName": "string",  "salary": 0,  "phone": "string"  } | Response Message |
| **[HttpPut]**  **/api/Employee/Edit** | {  "id": 0,  "departmentId": 0,  "countryId": 0,  "fullName": "string",  "salary": 0,  "phone": "string"  } | Response Message |
| **[HttpDelete]**  **/api/Employee/Delete/id** |  | Response Message |

Department & Country CRUD

| **API Route** | **Request Body** | **Response Body** |
| --- | --- | --- |
| **[HttpGet]**  **/api/Country/Get**  **/api/Department/Get** |  | [  {  "id": 0,  "name": "str"  },  {  "id": 0,  "name": "str"  }  ] |
| **[HttpGet]**  **/api/Country/Get/id**  **/api/Department/Get/id** |  | {  "id": 0,  "name": "str"  } |
| **[HttpPost]**  **/api/Country/Create**  **/api/Department/Create** | {  "name": "string"  } | Response Message |
| **[HttpPut]**  **/api/Country/Edit**  **/api/Department/Edit** | {  "id": 0,  "name": "string"  } | Response Message |
| **[HttpDelete]**  **/api/Country/Delete/id**  **/api/Department/Delete/id** |  | Response Message |

#Import Note:

* You can update your **Connection String** from the appsetting.json in the API project
* You can test the API using **Swagger** if you want to test it through **Postman** you need to disablethe **SSL** verification in postman tools.