Dotnet Task2 WEBAPI1 Collection

Dotnet Task2

Create a **Web API Core application** with a static collection for an Employee.

1. **Employee Model** should have the following fields.
   - Id (mandatory)
   - Name (min 3 letters and max 30 letters)
   - Department
   - MobileNo (only 10 digits allowed)
   - Email (proper email id)
2. Apply **validations** in the above fields using Data Annotations.
3. **Create an API Controller** which contains all the methods like : get,post,put,patch,delete,head and options.
   - **Action Methods:**
     - GetEmployeeById()
     - GetAllEmployees()
     - GetEmployeesByDept()
     - AddEmployee()
     - UpdateEmployee()
     - DeleteEmployee()
     - UpdateEmployeeEmail()

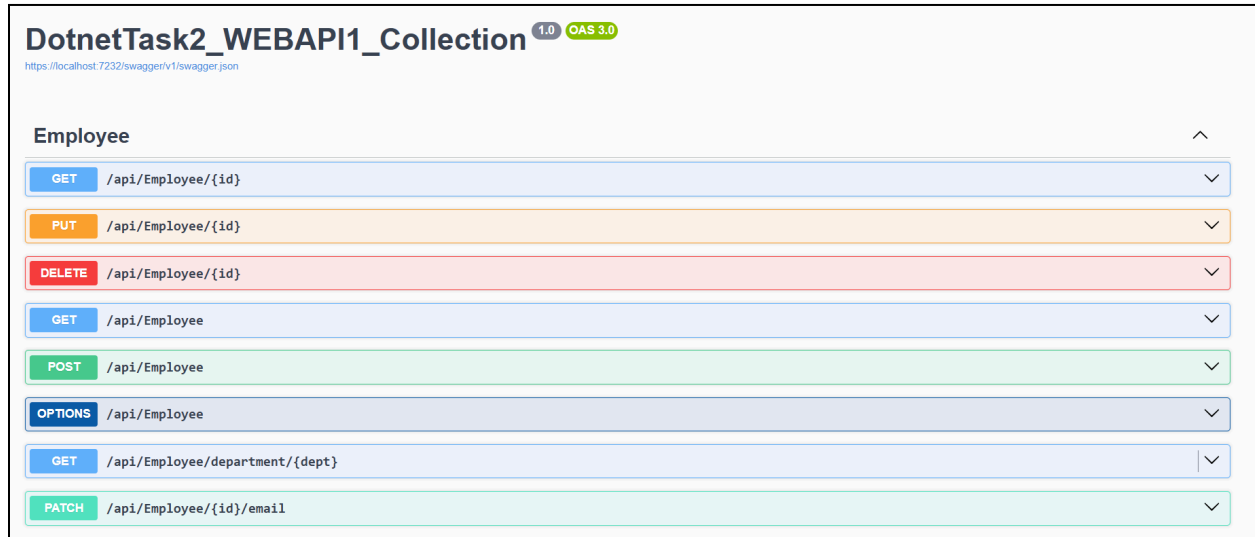   Use necessary http methods for the above action method.

4. Use **FromQuery, FromRoute,FromBody** for the above methods wherever is necessary for the above action methods.
5. Test it with swagger or postman with all the end points.
6. Finally, create a client Application using Console Application (.net framework)

Note : Install the necessary **Nuget packages** and mention the namespaces used in both server and client applications.

Upload the **pdf** document with screenshots in **github** account and share me the link.

Web Api Swagger Output:-

DotnetTask2_WEBAPI1_Collection 1.0 OAS 3.0
https://localhost:7232/swagger/v1/swagger.json

Employee

GET	/api/Employee/{id}	⌄
PUT	/api/Employee/{id}	⌄
DELETE	/api/Employee/{id}	⌄
GET	/api/Employee	⌄
POST	/api/Employee	⌄
OPTIONS	/api/Employee	⌄
GET	/api/Employee/department/{dept}	⌄
PATCH	/api/Employee/{id}/email	⌄

Client Console App :-

```
Fetching products from the Web API...
List of Products from Products Collection:
Employee ID:1,  Name:Sangram  Department:IT Mobile No:-9876543210 EMail:-sangram@example.com
Employee ID:2,  Name:Rohan  Department:HR Mobile No:-9998887776 EMail:-rohan@example.com

C:\Users\Sangram.Sankpal\source\repos\DotnetTask2_WEBAPI1_Collection_Console\DotnetTask2_WEBAPI1_Collection_Console\bin\
Debug\net8.0\DotnetTask2_WEBAPI1_Collection_Console.exe (process 17064) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

Github Code Links :-

https://github.com/sangram-dotnet-pune/DotnetTask2_WEBAPI1_Collection.git
https://github.com/sangram-dotnet-pune/DotnetTask2_WEBAPI1_Collection_Console.git