How to make Web API using ASP.NET Core 7.0 in Visual Studio 2022 Community Edition

This tutorial will guide you through the process of making a RESTful Web API using ASP.net Core 7.0 using Visual Studio 2022 Community Edition

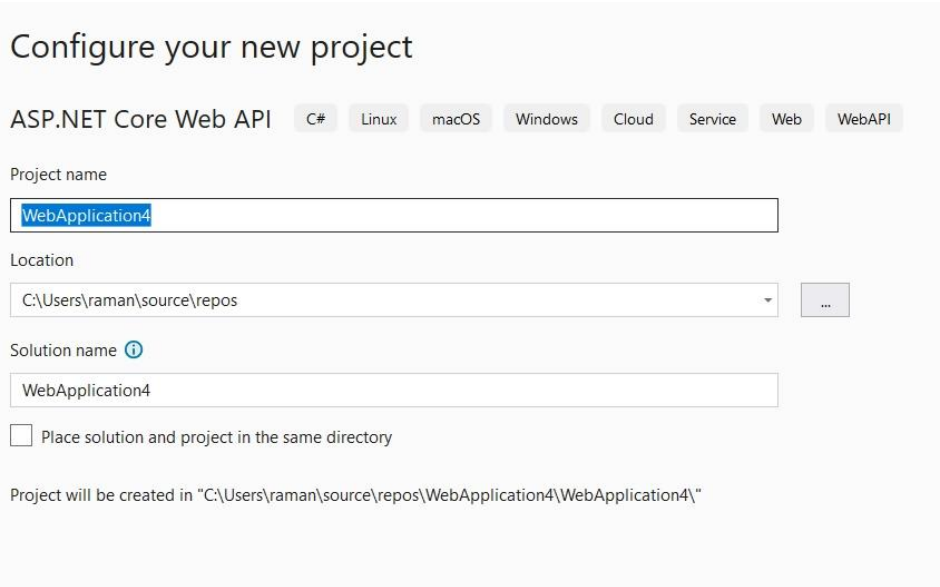
Web API will have a GET Request GetContacts which will return a list of Contacts.

Visual Studio 2022 uses a software named as Swagger to test Web API. It is just like POSTMAN.

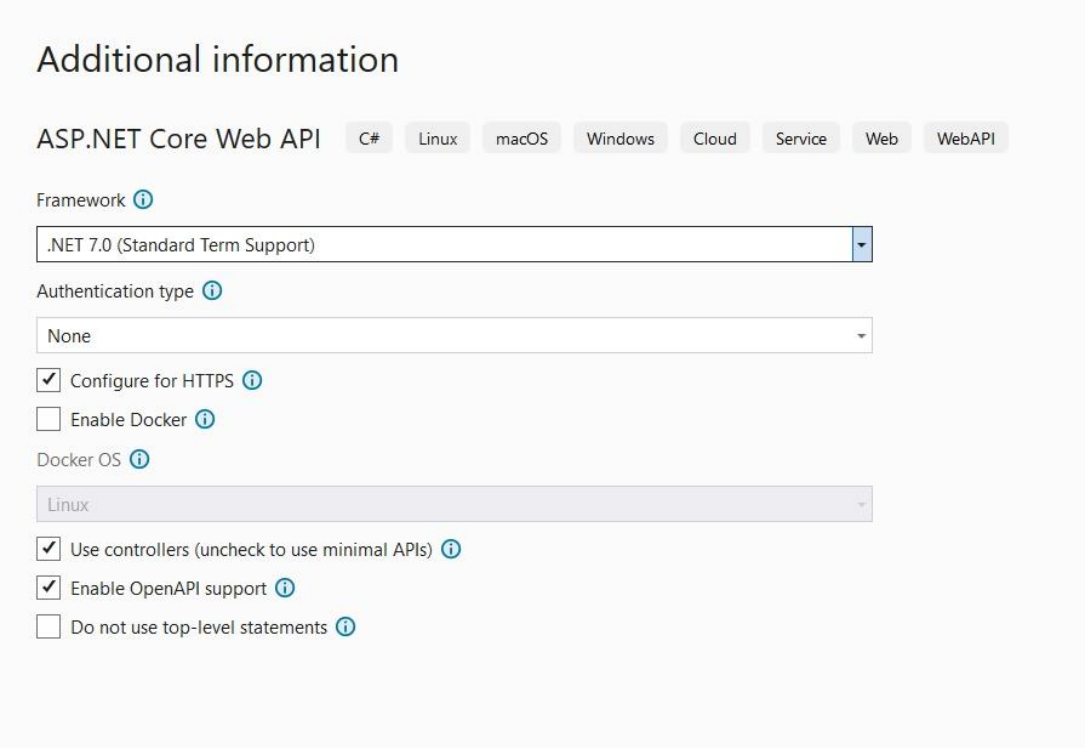
First of all create a new ASP.Net Core Web API Project in Visual Studio 2022 Community Edition.

Start Visual Studio 2022 Community Edition and Click on Create a New Project.

Select the above option and Click on Next

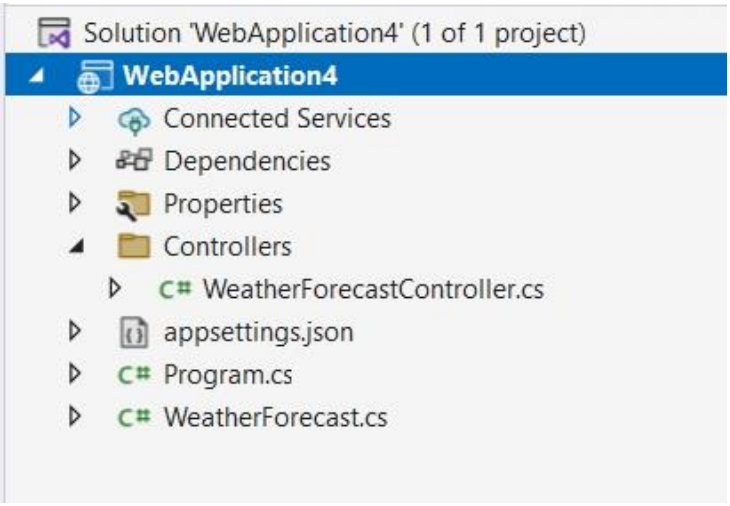


Click on Next

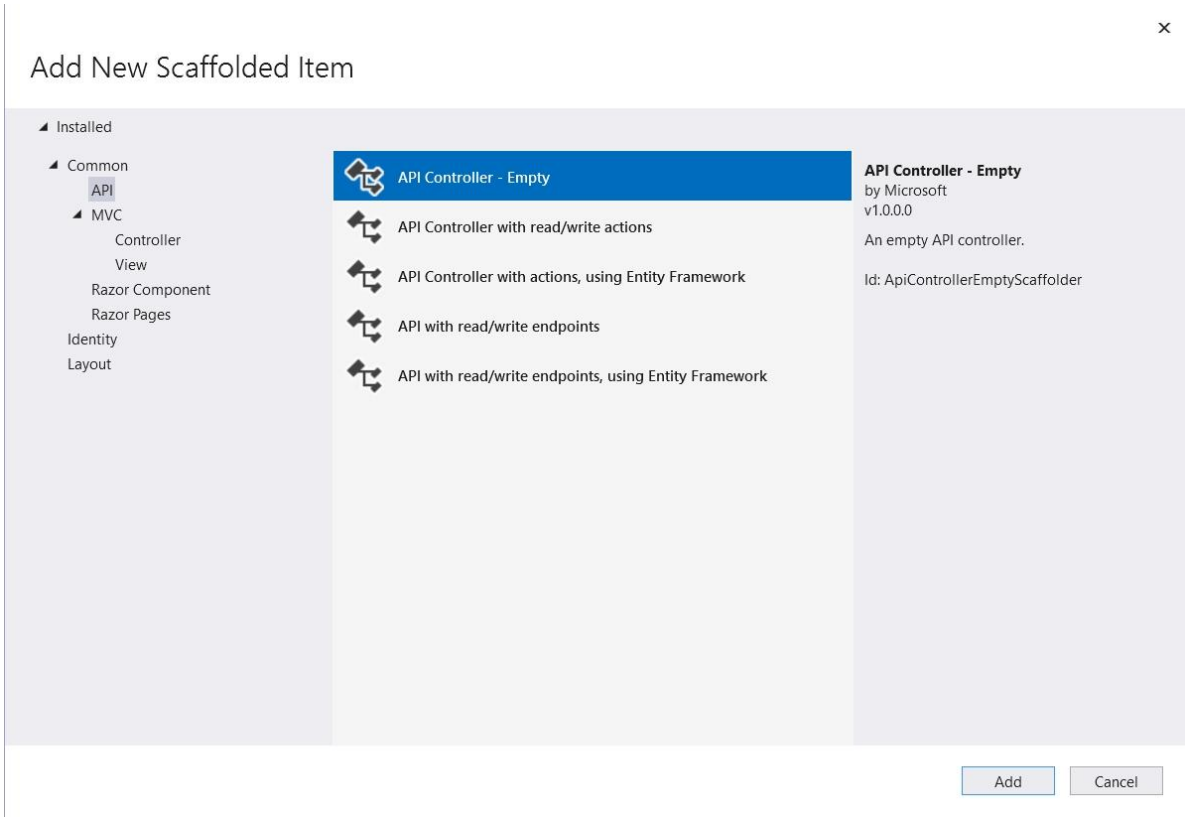


Click on Create and a New Project will be created

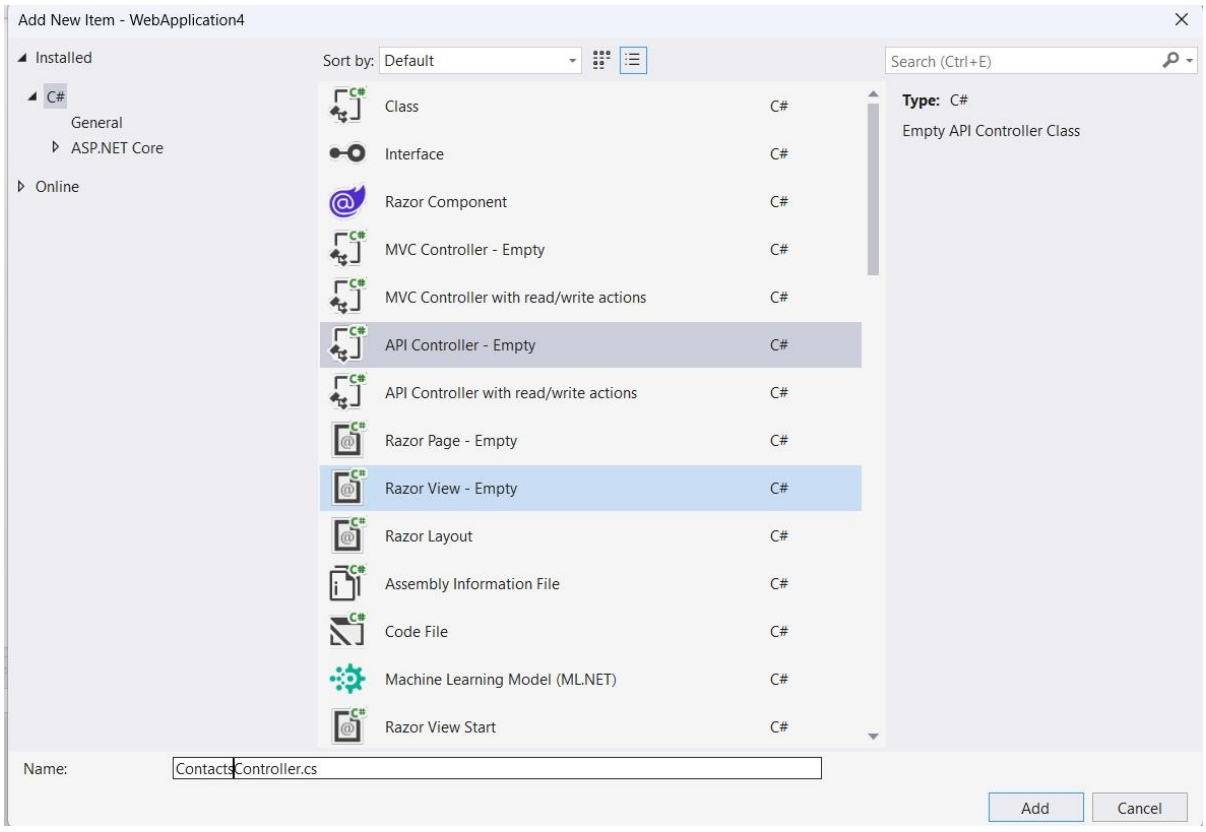
And Project Structure will look like



Add a New Controller to Controllers as shown below



Click on Add



Following is the code for ContactsController.cs

```
using Microsoft.AspNetCore.Http;
using Microsoft.AspNetCore.Mvc;
```

```
using WebApplication4.Models;

namespace WebApplication4.Controllers
{
    [Route("api/GetContacts")]
    [ApiController]
    public class ContactsController : ControllerBase
    {
        [HttpGet]
        public IEnumerable<Contact> GetContacts()
        {
            return new List<Contact>
            {
                new Contact { Id = 1,Name="Raman",Address="ábcdef
address",Email="raman@dfgh.com",Phone="898989"},
                new Contact { Id = 2,Name="Raman Deep",Address="ábcdef
address1",Email="ramandeep@dfgh.com",Phone="4567898989"},
                new Contact { Id = 3,Name="Raman Deep Singh",Address="ábcdefrds
address",Email="ramanrds@dfgh.com",Phone="123458989"}

            };
        }
    }
}
```

Add a new folder in the project with name Models

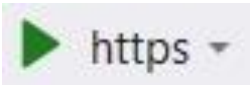
In folder Models create a new Class Contact.cs

Code for Contact.cs is

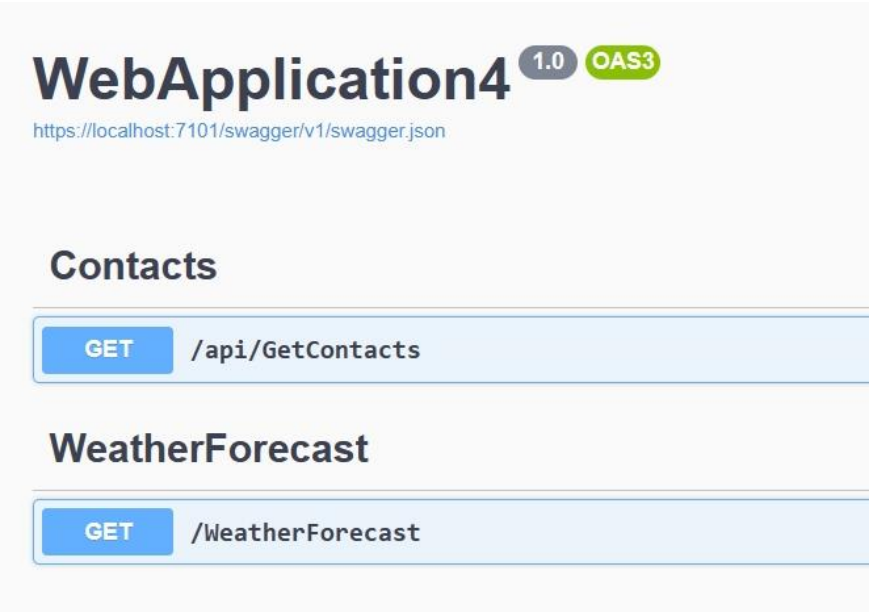
```
namespace WebApplication4.Models
{
    public class Contact
    {
        public int Id { get; set; }
        public string Name { get; set; }
        public string Address { get; set; }
        public string Email { get; set; }
        public string Phone { get; set; }
    }
}
```

Now how to run project or see output

Click on



Now after successful run swagger will open up like this



Now click on GET Button next to /api/GetContacts

Click on Try It Out Button and then Click on Execute

You will see the following output

Server response

Code	Details
200	Response body


```
[
  {
    "id": 1,
    "name": "Raman",
    "address": "ábcdef address",
    "email": "raman@dfgh.com",
    "phone": "898989"
  },
  {
    "id": 2,
    "name": "Raman Deep",
    "address": "ábcdef address1",
    "email": "ramandeep@dfgh.com",
    "phone": "4567898989"
  },
  {
    "id": 3,
    "name": "Raman Deep Singh",
    "address": "ábcdefrds address",
    "email": "ramanrds@dfgh.com",
    "phone": "123458989"
  }
]
```