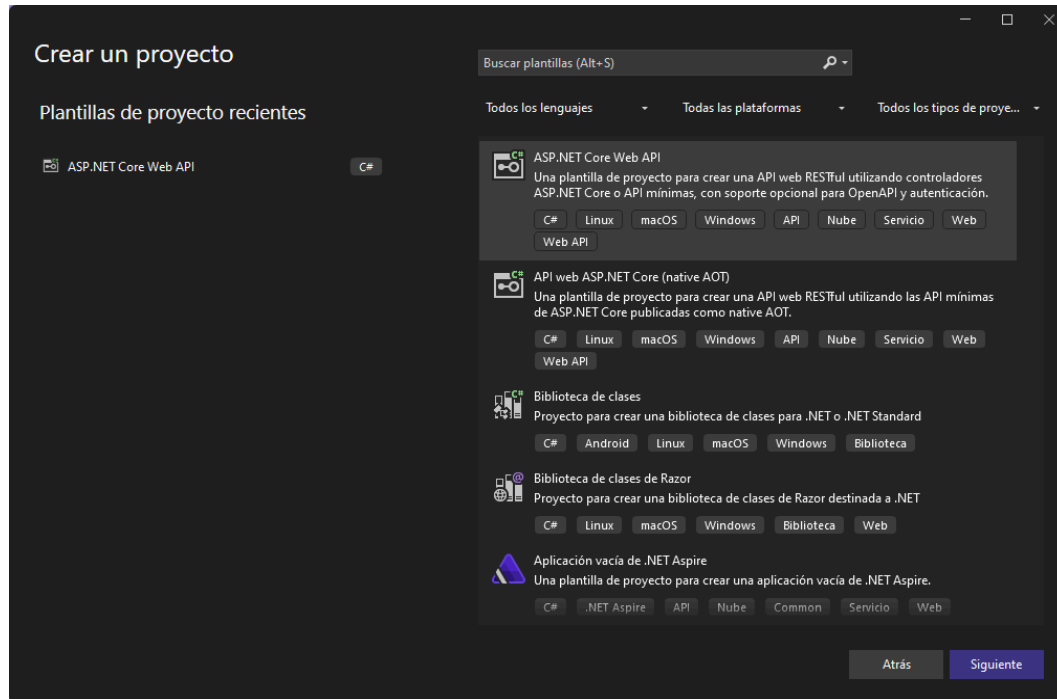
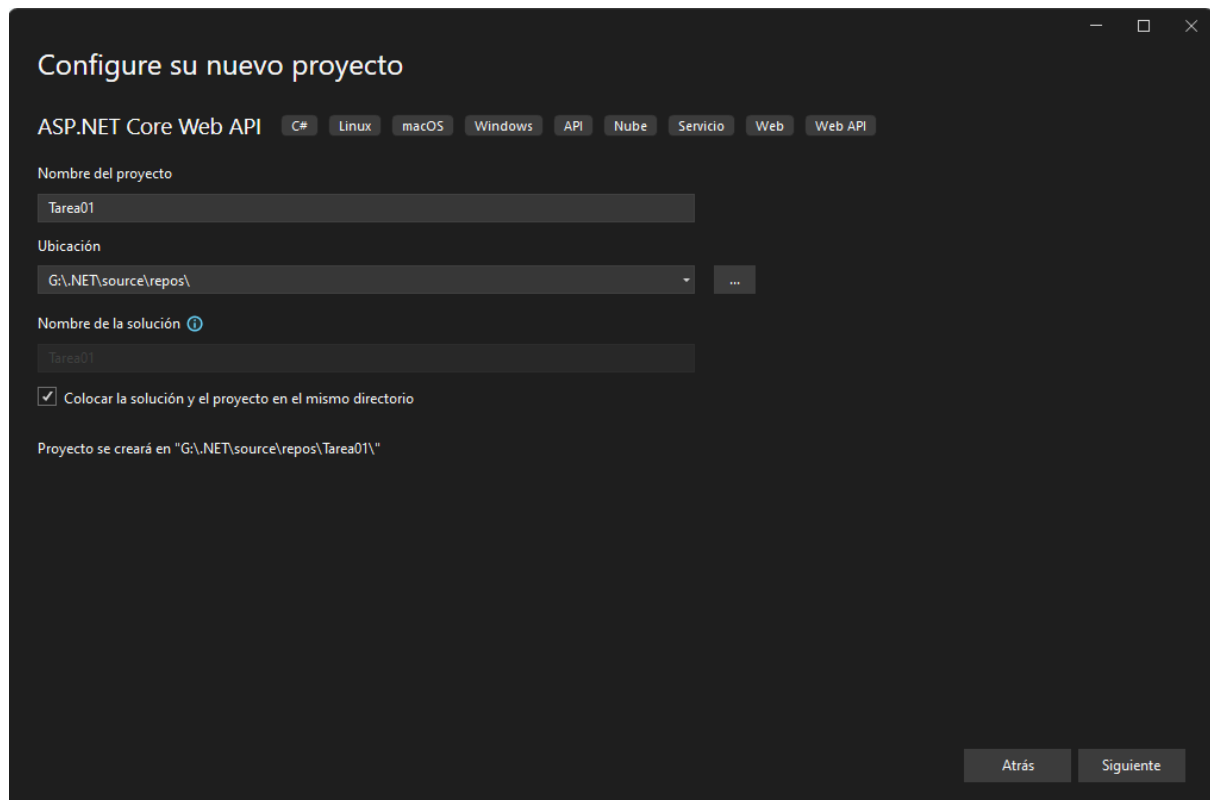


# Implementación:

## 1 - Elegir la plantilla “ASP.NET Core Web API”:



## 2 - Nombrar el proyecto:



### 3 - Elegir framework y características:

— □ ×

Información adicional

ASP.NET Core Web API C# Linux macOS Windows API Nube Servicio Web Web API

Framework ⓘ  
↓ .NET 8.0 (Compatibilidad a largo plazo) ↓

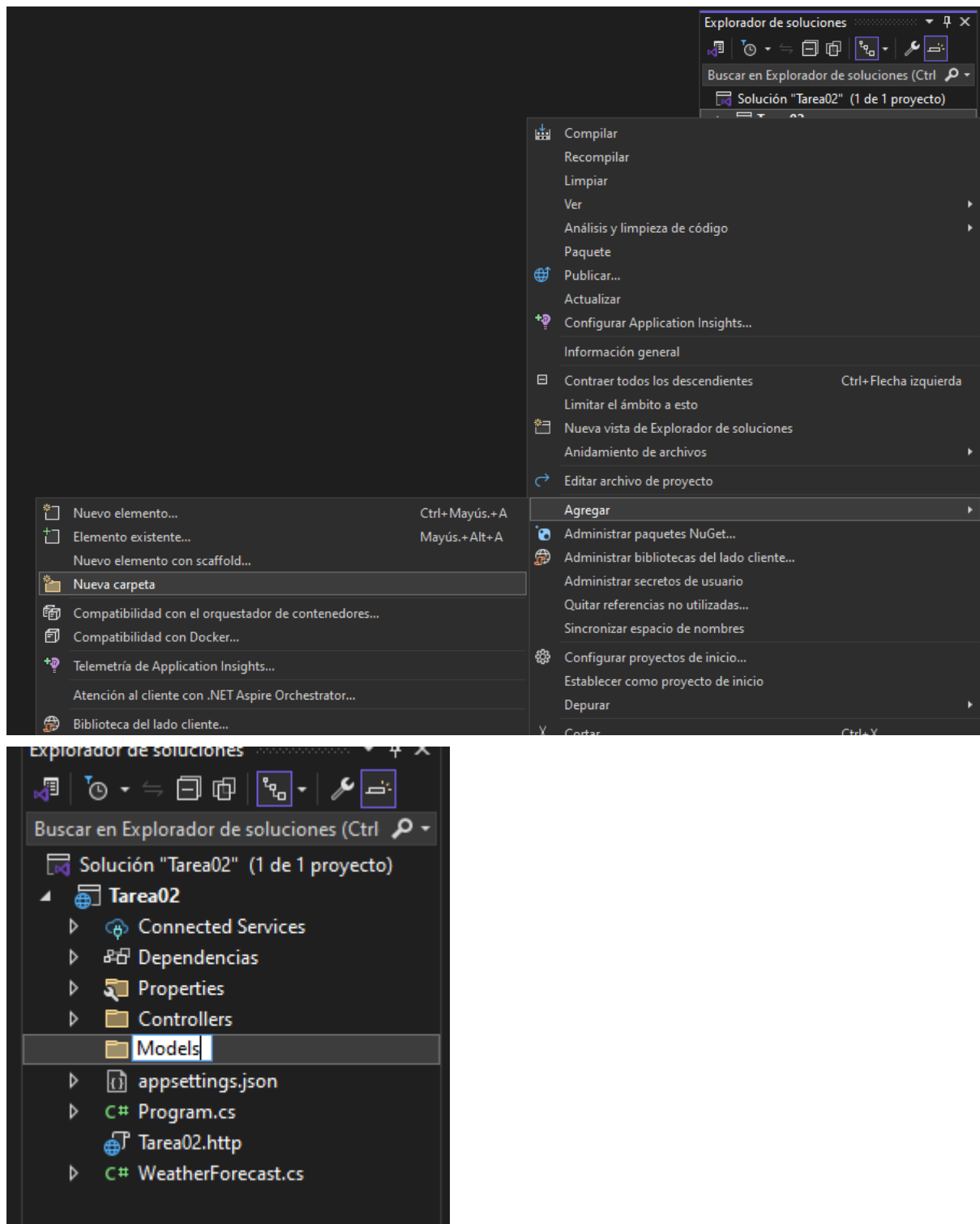
Authentication de campo ⓘ  
↓ Ninguno ↓  
☒ Configurar para HTTPS ⓘ  
☐ Habilitar compatibilidad con el contenedor ⓘ

SO del contenedor ⓘ  
↓ Linux ↓

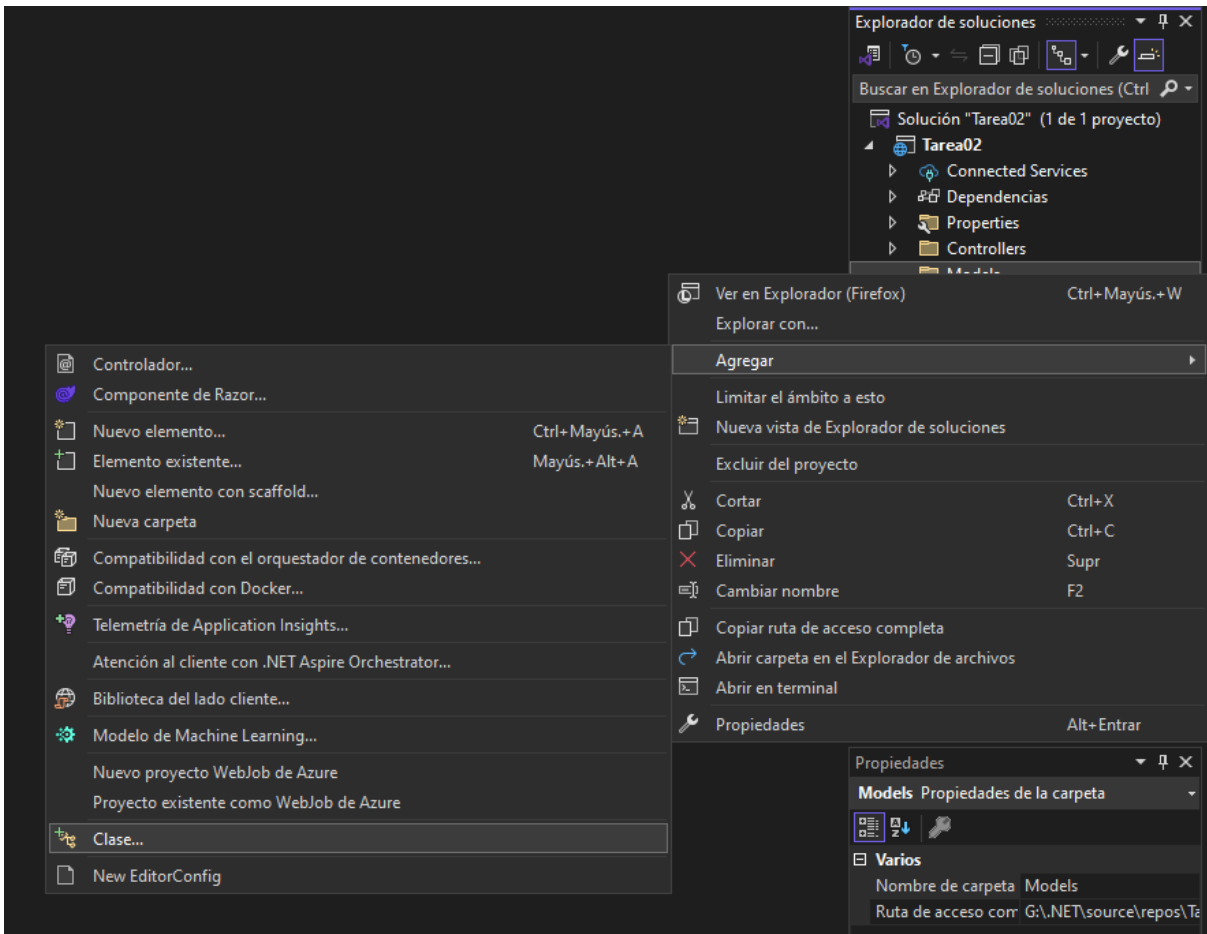
Tipo de compilación de contenedor ⓘ  
↓ Dockerfile ↓  
☒ Habilitar compatibilidad con OpenAPI ⓘ  
☐ No usar instrucciones de nivel superior ⓘ  
☒ Utilizar controladores ⓘ  
☐ Inscribirse en la orquestación de .NET Aspire ⓘ

Atrás Crear

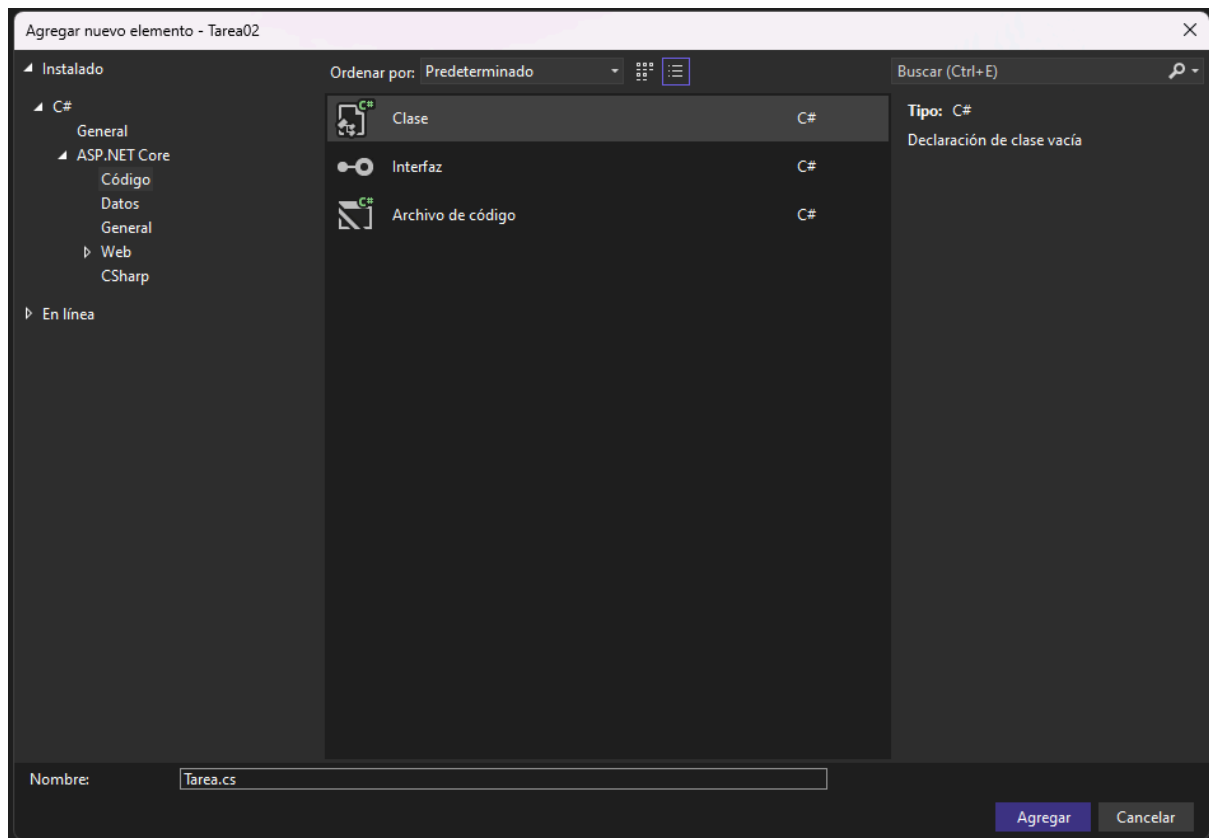
#### 4 - Crear una carpeta nueva para los modelos:



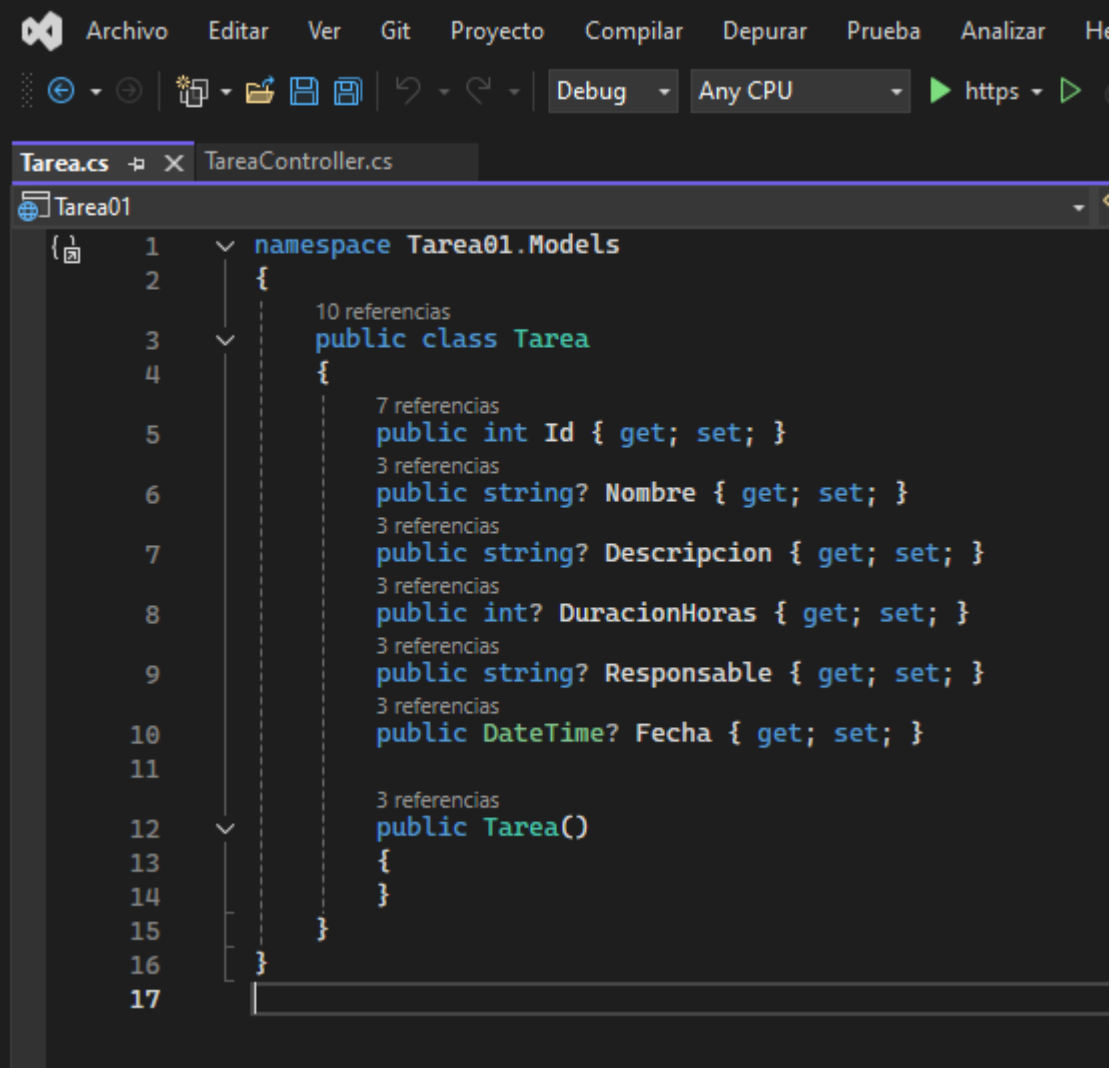
5 - Crear la clase Tarea:



## Taller .NET 2024 Tarea 01 - Andrés Romano



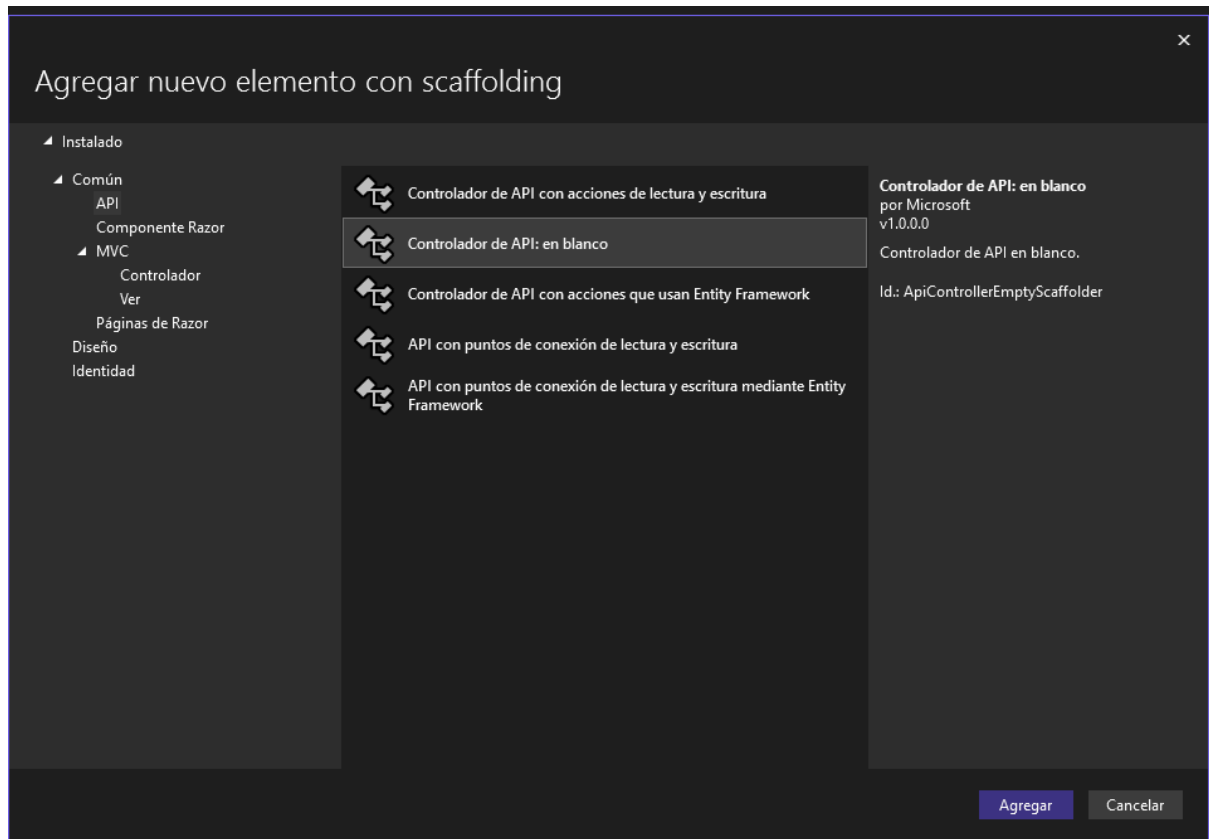
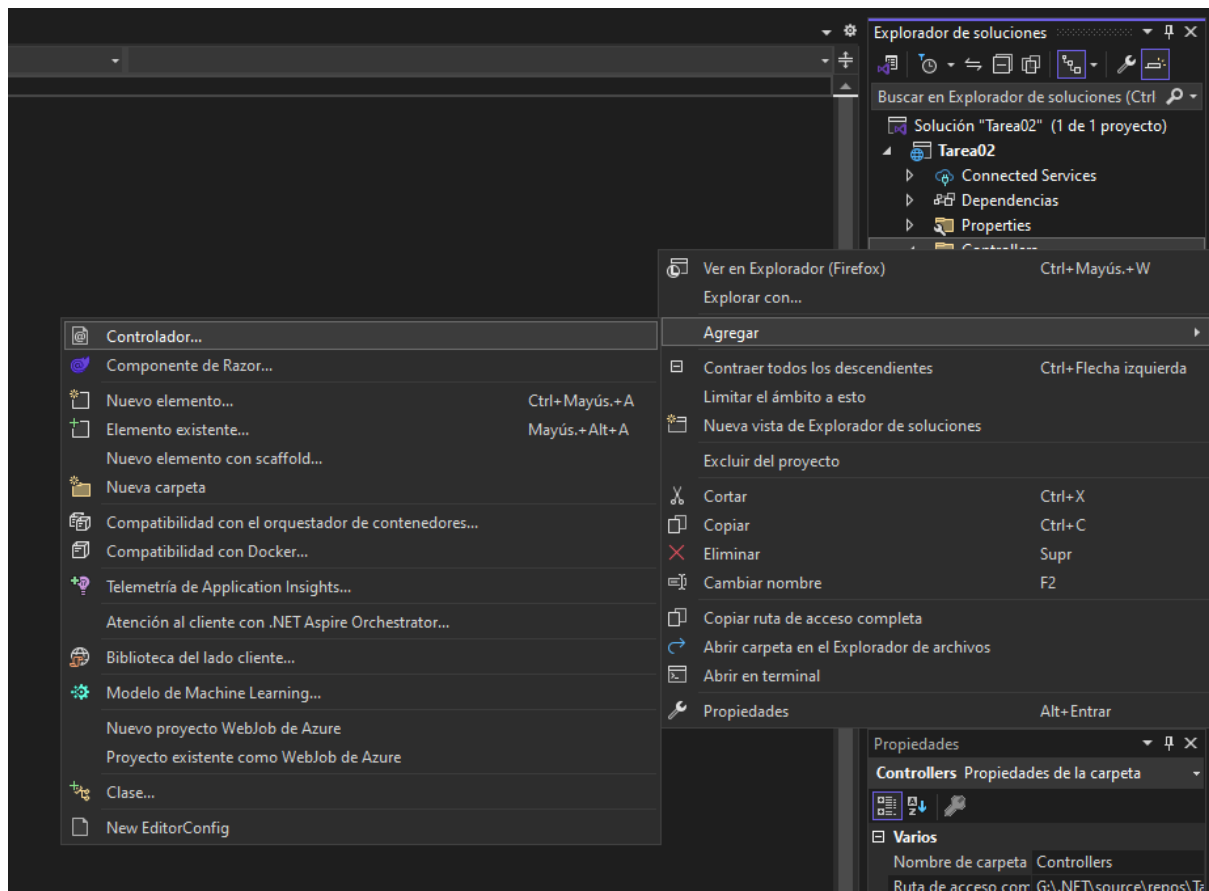
## 6 - Estructura de la clase Tarea.cs:



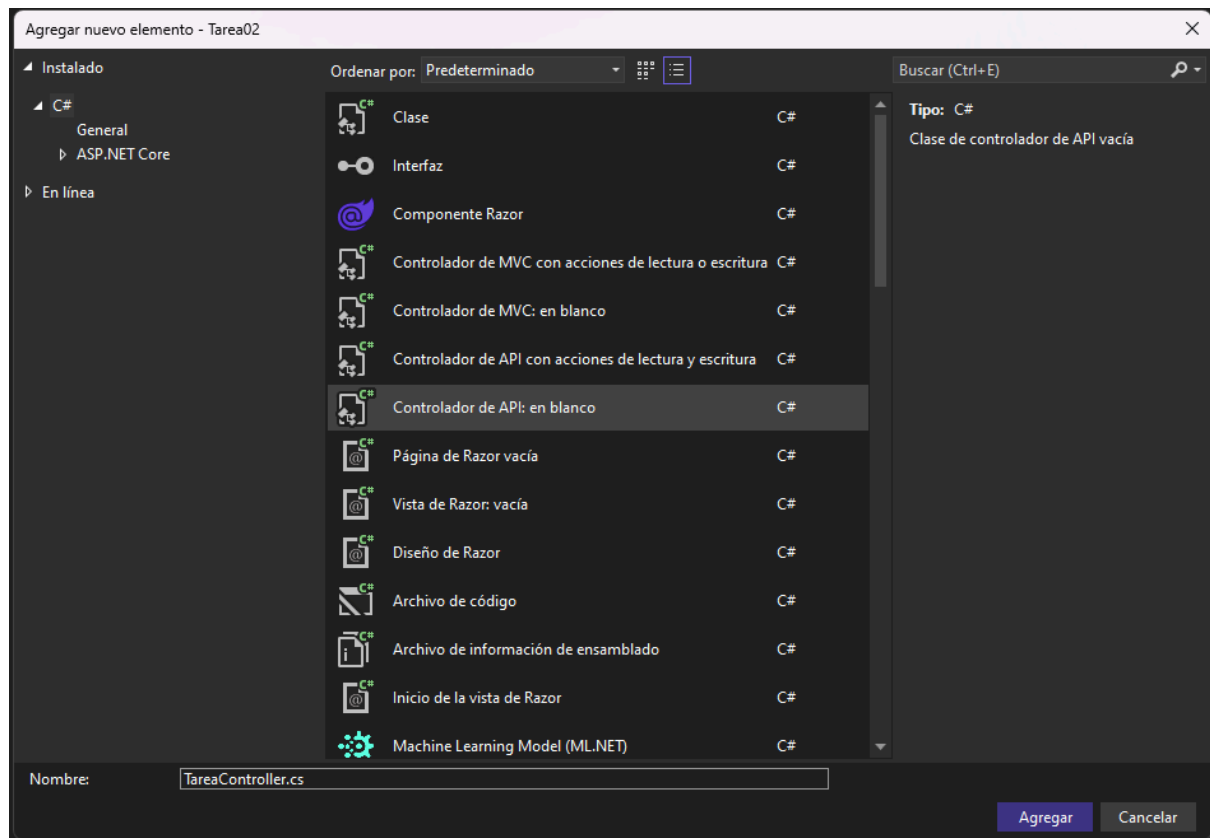
The screenshot shows the Visual Studio IDE with the file explorer on the left displaying 'Tarea01' and 'TareaController.cs'. The main editor window shows the code for 'namespace Tarea01.Models'. Inside this namespace, there is a 'public class Tarea' with the following properties and methods:

```
1 namespace Tarea01.Models
2 {
3     10 referencias
4     public class Tarea
5     {
6         7 referencias
7         public int Id { get; set; }
8         3 referencias
9         public string? Nombre { get; set; }
10        3 referencias
11        public string? Descripcion { get; set; }
12        3 referencias
13        public int? DuracionHoras { get; set; }
14        3 referencias
15        public string? Responsable { get; set; }
16        3 referencias
17        public DateTime? Fecha { get; set; }
18
19        3 referencias
20        public Tarea()
21        {
22        }
23    }
24 }
```

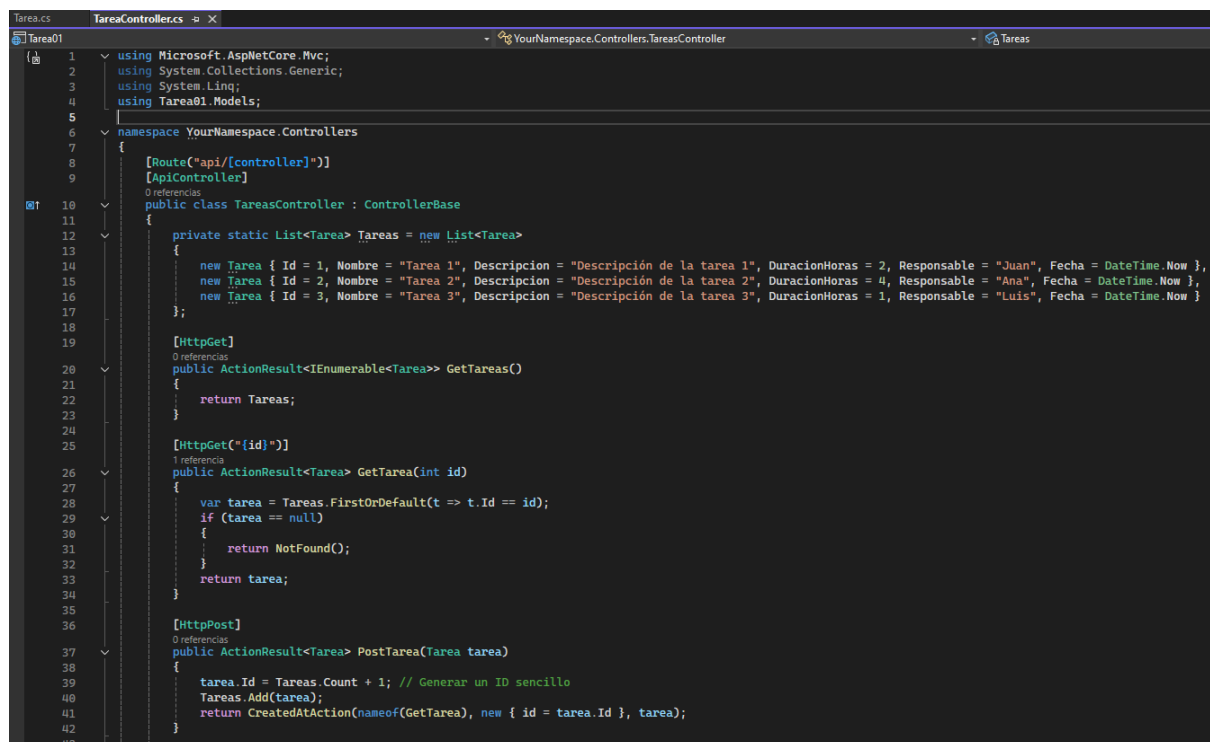
## 7 - Agregar un nuevo controlador:



## Taller .NET 2024 Tarea 01 - Andrés Romano



## 8 - Estructura del controlador TareaController.cs:





```
44      [HttpDelete("{id}")]
45      0 referencias
46      public IActionResult DeleteTarea(int id)
47      {
48          var tarea = Tareas.FirstOrDefault(t => t.Id == id);
49          if (tarea == null)
50          {
51              return NotFound();
52          }
53          Tareas.Remove(tarea);
54          return NoContent();
55      }
56  }
57  }
```

## pruebas con Swagger

## Petición GET:

### Tareas

GET/api/Tareas

Parameters

No parameters

ExecuteClear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7256/api/Tareas' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7256/api/Tareas
```

Server response

CodeDetails

200

Response body

```
{
  "id": 1,
  "nombre": "Tarea 1",
  "descripcion": "Descripción de la tarea 1",
  "duracionHoras": 2,
  "responsable": "Juan",
  "fecha": "2024-08-24T17:24:28.1407679-03:00"
},
{
  "id": 2,
  "nombre": "Tarea 2",
  "descripcion": "Descripción de la tarea 2",
  "duracionHoras": 4,
  "responsable": "Ana",
  "fecha": "2024-08-24T17:24:28.1407882-03:00"
},
{
  "id": 3,
  "nombre": "Tarea 3",
  "descripcion": "Descripción de la tarea 3",
  "duracionHoras": 1,
  "responsable": "Luis",
  "fecha": "2024-08-24T17:24:28.1407884-03:00"
}
}
```

Download

Petición POST:

POST /api/Tareas

Parameters

No parameters

Request body

application/json

```
{  "id": 4,  "nombre": "test",  "descripcion": "test",  "duracionHoras": 5,  "responsable": "test",  "fecha": "2024-08-24T20:26:03.979Z"}}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  https://localhost:7256/api/Tareas \  -H 'accept: text/plain' \  -H 'Content-Type: application/json' \  -d '{  "id": 4,  "nombre": "test",  "descripcion": "test",  "duracionHoras": 5,  "responsable": "test",  "fecha": "2024-08-24T20:26:03.979Z"}'
```

Request URL

https://localhost:7256/api/Tareas

Server response

Code

Details

201

Undocumented

Response body

```
{  "id": 4,  "nombre": "test",  "descripcion": "test",  "duracionHoras": 5,  "responsable": "test",  "fecha": "2024-08-24T20:26:03.979Z"}}
```

Response headers

```
content-type: application/json; charset=utf-8  date: Sat, 24 Aug 2024 20:26:31 GMT  location: https://localhost:7256/api/Tareas/4  server: Kestrel  x-firefox-spdy: h2
```

Responses

Code	Description	Links
200	Success	No links

Petición GET por ID:

GET

/api/Tareas/{id}

Parameters

Cancel

Name	Description
id * required	
integer(\$int32)	4
(path)	

ExecuteClear

Responses

Curl

curl -X 'GET' \

'https://localhost:7256/api/Tareas/4' \

-H 'accept: text/plain'

Request URL

https://localhost:7256/api/Tareas/4

Server response

Code	Details
200	<div><div>Response body</div><div>{</div><div>"id": 4,</div><div>"nombre": "test",</div><div>"descripcion": "test",</div><div>"duracionHoras": 5,</div><div>"responsable": "test",</div><div>"fecha": "2024-08-24T20:26:03.979Z"</div><div>}</div><div>Response headers</div><div>content-type: application/json; charset=utf-8</div><div>date: Sat, 24 Aug 2024 20:27:30 GMT</div><div>server: Kestrel</div><div>x-firefox-spy: h2</div></div>

Responses

Code	Description	Links
200	Success	No links

Petición DELETE:

DELETE

/api/Tareas/{id}

Parameters

Cancel

Name	Description
id * required	
integer(\$int32)	3
(path)	

ExecuteClear

Responses

Curl

curl -X 'DELETE' \

'https://localhost:7256/api/Tareas/3' \

-H 'accept: \*/\*'

Request URL

https://localhost:7256/api/Tareas/3

Server response

Code	Details
204	<div><div>Response headers</div><div>date: Sat, 24 Aug 2024 20:28:45 GMT</div><div>server: Kestrel</div><div>x-firefox-spy: h2</div></div>

Responses

Code	Description	Links
200	Success	No links

Petición GET luego del DELETE de la tarea 3:

The screenshot shows a REST client interface with the following sections:

- Method and URL:** GET /api/Tareas
- Parameters:** No parameters
- Execute button:** A blue button labeled "Execute" and a grey button labeled "Clear".
- Responses:** A section showing the response details.
- Curl:** A text area containing the curl command: 

```
curl -X 'GET' \
  'https://localhost:7256/api/Tareas' \
  -H 'accept: text/plain'
```
- Request URL:** A text area containing the URL: `https://localhost:7256/api/Tareas`
- Server response:** A section showing the response details.
- Code:** A tab labeled "Code" showing the response body.
- Response body:** A JSON array of task objects. The response is a 200 status code.

```
[
  {
    "id": 1,
    "nombre": "Tarea 1",
    "descripcion": "Descripción de la tarea 1",
    "duracionHoras": 4,
    "responsable": "Juan",
    "fecha": "2024-08-24T17:24:28.1407679-03:00"
  },
  {
    "id": 2,
    "nombre": "Tarea 2",
    "descripcion": "Descripción de la tarea 2",
    "duracionHoras": 4,
    "responsable": "Ana",
    "fecha": "2024-08-24T17:24:28.1407882-03:00"
  },
  {
    "id": 4,
    "nombre": "test",
    "descripcion": "test",
    "duracionHoras": 5,
    "responsable": "test",
    "fecha": "2024-08-24T20:26:03.979Z"
  }
]
```

Repositorio de GitHub:

[https://github.com/AndresRomano/DotNET\\_Pr-cticos/tree/main/Tarea01](https://github.com/AndresRomano/DotNET_Pr-cticos/tree/main/Tarea01)