

Jurnal 9

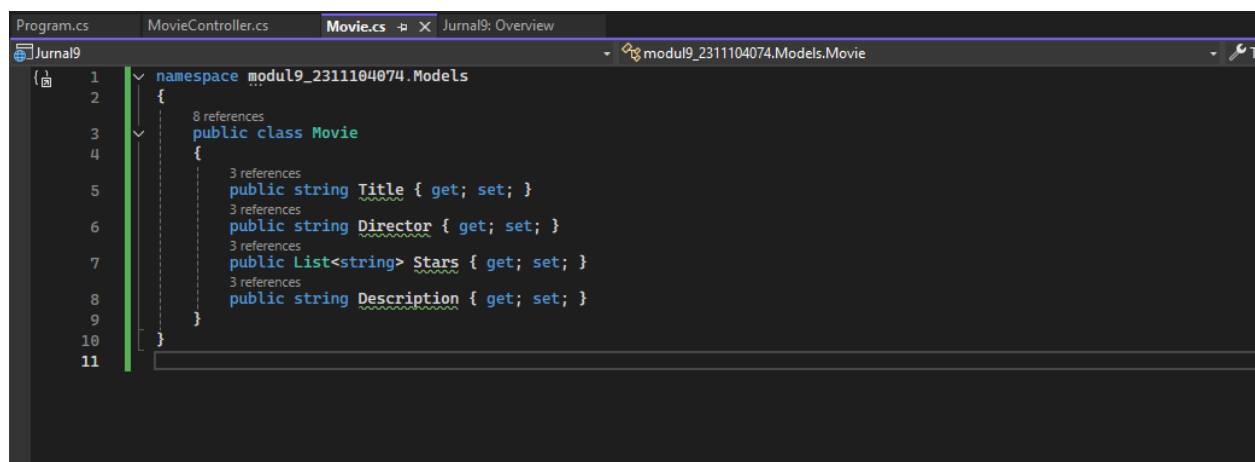
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Link repo:

https://github.com/fahmihasanasagaf/KPL_2311104074_SE0702/tree/main/09_API_Design_dan_Construction_Using_Swagger

Movie.cs



```
1 namespace modul9_2311104074.Models
2 {
3     8 references
4     public class Movie
5     {
6         3 references
7         public string Title { get; set; }
8         3 references
9         public string Director { get; set; }
10        3 references
11        public List<string> Stars { get; set; }
12        3 references
13        public string Description { get; set; }
14    }
15 }
```

MovieController.cs

```
Program.cs  MovieController.cs  Movie.cs  Jurnal9: Overview  modul9_2311104074.Controllers.MoviesController  movies

1  using Microsoft.AspNetCore.Mvc;
2  using modul9_2311104074.Models;
3
4  namespace modul9_2311104074.Controllers
5  {
6      [ApiController]
7      [Route("api/[controller]")]
8      public class MoviesController : ControllerBase
9      {
10         private static List<Movie> movies = new List<Movie>
11         {
12             new Movie {
13                 Title = "The Shawshank Redemption",
14                 Director = "Frank Darabont",
15                 Stars = new List<string> { "Tim Robbins", "Morgan Freeman", "Bob Gunton" },
16                 Description = "Two imprisoned men bond over a number of years."
17             },
18             new Movie {
19                 Title = "The Godfather",
20                 Director = "Francis Ford Coppola",
21                 Stars = new List<string> { "Marlon Brando", "Al Pacino", "James Caan" },
22                 Description = "The aging patriarch of an organized crime dynasty transfers control to his reluctant son."
23             },
24             new Movie {
25                 Title = "The Dark Knight",
26                 Director = "Christopher Nolan",
27                 Stars = new List<string> { "Christian Bale", "Heath Ledger", "Aaron Eckhart" },
28                 Description = "Batman sets out to dismantle the remaining criminal organizations."
29             }
30         };
31
32         [HttpGet]
33         public ActionResult<List<Movie>> GetAll()
34         {
35             return movies;
36         }
37
38         [HttpGet("{id}")]
39         public ActionResult<Movie> GetById(int id)
40         {
41             if (id < 0 || id >= movies.Count) return NotFound("Movie not found");
42             return movies[id];
43         }
44
45         [HttpPost]
46         public ActionResult AddMovie([FromBody] Movie movie)
47         {
48             // Add logic here
49         }
50     }
51 }
```

Output

Get api movies

GET /api/Movies

Parameters

No parameters

Execute

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7135/api/Movies' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:7135/api/Movies
```

Server response

Code	Details
200	<div>Response body</div> <pre>[{ "title": "The Shawshank Redemption", "director": "Frank Darabont", "stars": ["Tim Robbins", "Morgan Freeman", "Bob Gunton"], "description": "Two imprisoned men bond over a number of years." }, { "title": "The Godfather", "director": "Francis Ford Coppola", "stars": ["Marlon Brando", "Al Pacino", "James Caan"], "description": "The aging patriarch of an organized crime dynasty transfers control to his reluctant son." }, { "title": "The Dark Knight", "director": "Christopher Nolan", "stars": ["Christian Bale", "Heath Ledger", "Aaron Eckhart"] }]</pre>

Added new movies

```
{
  "title": "MDIB",
  "director": "FAHMI",
  "stars": [
    "SAPIK"
  ],
  "description": "ICIKIWIR"
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7135/api/Movies' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "title": "MDIB",
    "director": "FAHMI",
    "stars": [
      "SAPIK"
    ],
    "description": "ICIKIWIR"
  }'
```

Request URL

https://localhost:7135/api/Movies

Server response

Code	Details
200	<div>Response body<div>Movie added</div></div> <div>Response headers</div>

Pastikan movie masuk

Curl

```
curl -X 'GET' \
  'https://localhost:7135/api/Movies' \
  -H 'accept: text/plain'
```

Request URL

`https://localhost:7135/api/Movies`

Server response

Code

Details

200

Response body

```
{
  {
    "title": "The Dark Knight",
    "director": "Christopher Nolan",
    "stars": [
      "Christian Bale",
      "Heath Ledger",
      "Aaron Eckhart"
    ],
    "description": "Batman sets out to dismantle the remaining criminal organizations."
  },
  {
    "title": "MDIB",
    "director": "FAHMI",
    "stars": [
      "SAPIK"
    ],
    "description": "ICIKIWIR"
  },
  {
    "title": "MDIB",
    "director": "FAHMI",
    "stars": [
      "SAPIK"
    ],
    "description": "ICIKIWIR"
  }
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Fri,30 May 2025 16:12:12 GMT
server: Kestrel
```

Responses

Film index ke 3

id * required

```
integer($int32)
```

3

(path)

Execute

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7135/api/Movies/3' \
  -H 'accept: text/plain'
```

Request URL

<https://localhost:7135/api/Movies/3>

Server response

Code

Details

200

Response body

```
{
  "title": "MDIB",
  "director": "FAHMI",
  "stars": [
    "SAPIK"
  ],
  "description": "ICIKIWR"
}
```

Delete movies index 1

DELETE /api/Movies/{id}

Parameters

Name	Description
id * required integer(\$int32) (path)	<input type="text" value="1"/>

Execute

Responses

Curl

```
curl -X 'DELETE' \  
  'https://localhost:7135/api/Movies/1' \  
  -H 'accept: */*'
```

Request URL

```
https://localhost:7135/api/Movies/1
```

Movie index 1 sudah hilang

Curl

```
curl -X 'GET' \
  'https://localhost:7135/api/Movies' \
  -H 'accept: text/plain'
```

Request URL

https://localhost:7135/api/Movies

Server response

Code

Details

200

Response body

```
[
  {
    "title": "The Shawshank Redemption",
    "director": "Frank Darabont",
    "stars": [
      "Tim Robbins",
      "Morgan Freeman",
      "Bob Gunton"
    ],
    "description": "Two imprisoned men bond over a number of years."
  },
  {
    "title": "The Dark Knight",
    "director": "Christopher Nolan",
    "stars": [
      "Christian Bale",
      "Heath Ledger",
      "Aaron Eckhart"
    ],
    "description": "Batman sets out to dismantle the remaining criminal organizations."
  },
  {
    "title": "MDIB",
    "director": "FAHMI",
    "stars": [
      "SAPIK"
    ],
    "description": "ICIKIWIR"
  }
]
```

Response headers