

RSCG nr 25 : mapperly

Info

Nuget : <https://www.nuget.org/packages/mapperly/>

You can find more details at : <https://mapperly.riok.app/docs/getting-started/installation/>

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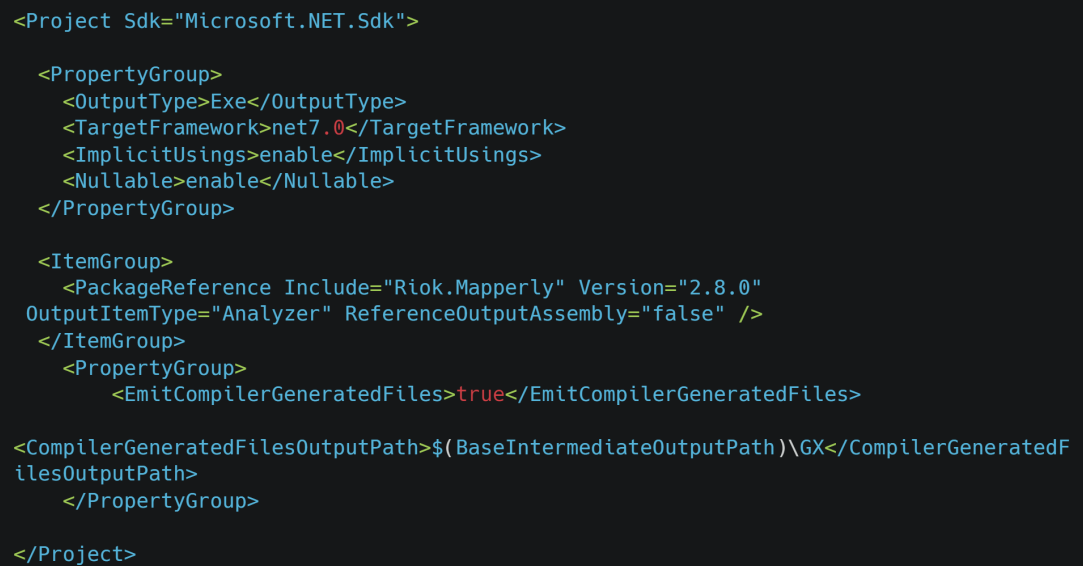
Source : <https://github.com/riok/mapperly>

About

Mapping classes to/from DTO

How to use

Add reference to the mapperly in the csproj



```
<Project Sdk="Microsoft.NET.Sdk">

  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <TargetFramework>net7.0</TargetFramework>
    <ImplicitUsings>enable</ImplicitUsings>
    <Nullable>enable</Nullable>
  </PropertyGroup>

  <ItemGroup>
    <PackageReference Include="Riok.Mapperly" Version="2.8.0"
      OutputItemType="Analyzer" ReferenceOutputAssembly="false" />
  </ItemGroup>

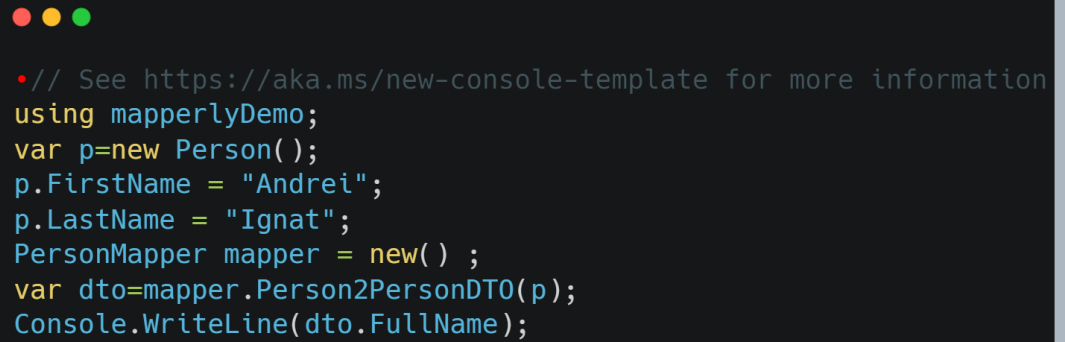
  <PropertyGroup>
    <EmitCompilerGeneratedFiles>true</EmitCompilerGeneratedFiles>

    <CompilerGeneratedFilesOutputPath>$(BaseIntermediateOutputPath)\GX</CompilerGeneratedFilesOutputPath>
  </PropertyGroup>

</Project>
```

This was for me the starting code

I have **coded** the file Program.cs



```
•// See https://aka.ms/new-console-template for more information
using mapperlyDemo;
var p=new Person();
p.FirstName = "Andrei";
p.LastName = "Ignat";
PersonMapper mapper = new() ;
var dto=mapper.Person2PersonDT0(p);
Console.WriteLine(dto.FullName);
```

I have **coded** the file Person.cs



.

```
public class Person
{
    public int ID { get; set; }
    public string? FirstName { get; set; }
    public string? LastName { get; set; }
}
```

I have **coded** the file PersonDTO.cs



```
•namespace mapperlyDemo;

public class PersonDT0
{
    public int ID { get; set; }
    public string? FirstName { get; set; }
    public string? LastName { get; set; }

    public string FullName {
        get
        {
            return FirstName + " " + LastName;
        }
    }
}
```

I have **coded** the file PersonMapper.cs



```
•using Riok.Mapperly.Abstractions;

namespace mapperlyDemo;

[Mapper]
public partial class PersonMapper
{
    public partial PersonDT0 Person2PersonDT0(Person p);
}
```

And here are the *generated* files

The file *generated* is PersonMapper.g.cs



```
•#nullable enable
namespace mapperlyDemo
{
    public partial class PersonMapper
    {
        public partial global::mapperlyDemo.PersonDT0 Person2PersonDT0(global::Person
p)
        {
            var target = new global::mapperlyDemo.PersonDT0();
            target.ID = p.ID;
            target.FirstName = p.FirstName;
            target.LastName = p.LastName;
            return target;
        }
    }
}
```

You can download the code and this page as pdf from https://ignatandrei.github.io/RSCG_Examples/v2/docs/mapperly

You can see the whole list at https://ignatandrei.github.io/RSCG_Examples/v2/docs/List-of-RSCG