

# RSCG nr 11 : QuickConstructor

## Info

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

You can find more details at : <https://github.com/flavien/QuickConstructor>

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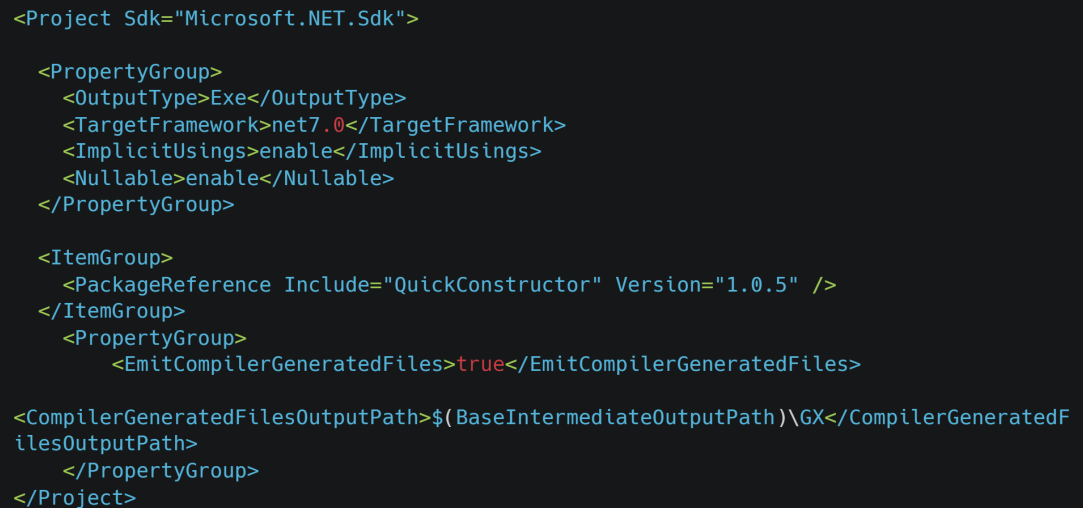
Source : <https://github.com/flavien/QuickConstructor>

## About

Fast add constructors that are read only FIELDShas multiple other features

## How to use

Add reference to the QuickConstructor 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="QuickConstructor" Version="1.0.5" />
  </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



```
•using QuickConstructorDemo;  
  
var p = new Person("Andrei", "Ignat");
```

---

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



```
•using QuickConstructor.Attributes;  
  
namespace QuickConstructorDemo;  
  
[QuickConstructor]  
internal partial class Person  
{  
    private readonly string FirstName;  
    private readonly string? LastName;  
  
}
```

---

And here are the *generated* files

The file *generated* is Person.cs

```
•/// <auto-generated>
/// This code was generated by the QuickConstructor source generator.
/// </auto-generated>

#nullable enable

namespace QuickConstructorDemo
{
    partial class Person
    {
        /// <summary>
        /// Initializes a new instance of the <see cref="Person" /> class.
        /// </summary>
        public Person(string @firstName, string? @lastName)
        {
            if (@firstName == null)
                throw new global::System.ArgumentNullException(nameof(@firstName));

            this.@FirstName = @firstName;
            this.@LastName = @lastName;
        }
    }
}
```

You can download the code and this page as pdf from [https://ignatandrei.github.io/RSCG\\_Examples/v2/docs/QuickConstructor](https://ignatandrei.github.io/RSCG_Examples/v2/docs/QuickConstructor)

You can see the whole list at [https://ignatandrei.github.io/RSCG\\_Examples/v2/docs/List-of-RSCG](https://ignatandrei.github.io/RSCG_Examples/v2/docs/List-of-RSCG)