

## RSCG nr 6 : SkinnyControllersCommon

### Info

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

You can find more details at : <https://github.com/ignatandrei/SkinnyControllersGenerator/>

Author : Ignat Andrei

Source : <https://github.com/ignatandrei/SkinnyControllersGenerator/>

### About

Automatically add controllers actions for any class injected in constructor

### How to use

Add reference to the SkinnyControllersCommon in the csproj



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

  <PropertyGroup>
    <TargetFramework>net6.0</TargetFramework>
    <Nullable>enable</Nullable>
    <ImplicitUsings>enable</ImplicitUsings>
  </PropertyGroup>

  <ItemGroup>
    <PackageReference Include="SkinnyControllersCommon" Version="2023.5.14.2055" />
    <PackageReference Include="Swashbuckle.AspNetCore" Version="6.2.3" />
  </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 SkinnyControllersDemo.Controllers;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

builder.Services.AddControllers();
// Learn more about configuring Swagger/OpenAPI at
https://aka.ms/aspnetcore/swashbuckle
builder.Services.AddEndpointsApiExplorer();
builder.Services.AddSwaggerGen();
builder.Services.AddTransient<WeatherActions>();
var app = builder.Build();

// Configure the HTTP request pipeline.
if (app.Environment.IsDevelopment())
{
    app.UseSwagger();
    app.UseSwaggerUI();
}

app.UseHttpsRedirection();

app.UseAuthorization();

app.MapControllers();

app.Run();
```

---

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

```
using Microsoft.AspNetCore.Mvc;
using SkinnyControllersCommon;

namespace SkinnyControllersDemo.Controllers;
[AutoActions(template = TemplateIndicator.NoArgs_Is_Get_Else_Post, FieldsName = new[]
{ "*" }, ExcludeFields = new[] { "_logger" })]
[ApiController]
[Route("[controller]/[action]")]
public partial class WeatherForecastController : ControllerBase
{
    private readonly ILogger<WeatherForecastController> _logger;
    private readonly WeatherActions weather;

    public WeatherForecastController(ILogger<WeatherForecastController> logger,
WeatherActions weather)
    {
        _logger = logger;
        this.weather = weather;
    }
}
```

---

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

```

namespace SkinnyControllersDemo.Controllers
{
    public class WeatherActions
    {
        private static readonly string[] Summaries = new[]
        {
            "Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot",
            "Sweltering", "Scorching"
        };

        public IEnumerable<WeatherForecast> Get()
        {
            return Enumerable.Range(1, 5).Select(index => new WeatherForecast
            {
                Date = DateTime.Now.AddDays(index),
                TemperatureC = Random.Shared.Next(-20, 55),
                Summary = Summaries[Random.Shared.Next(Summaries.Length)]
            })
                .ToArray();
        }

        public async Task<int> MultiplyBy2(int nr)
        {
            await Task.Delay(nr);
            return nr*2;
        }
    }
}

```

---

And here are the *generated* files

The file *generated* is WeatherForecastController.autogenerate.cs

```

//-----
// <auto-generated>
//   This code was generated by a tool.
//
//   SkinnyControllersGenerator:
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// </auto-generated>
//-----

using System.CodeDom.Compiler;
using System.Runtime.CompilerServices;
using Microsoft.AspNetCore.Mvc;
using Microsoft.Extensions.Logging;

namespace SkinnyControllersDemo.Controllers {
    [GeneratedCode("SkinnyControllersGenerator", "")]
    [CompilerGenerated]
    partial class WeatherForecastController{
        /*[HttpGet()]
        public int id(){
            System.Diagnostics.Debugger.Break();
            return 1;
        } */

        [HttpGet]
        public
        System.Collections.Generic.IEnumerable<SkinnyControllersDemo.WeatherForecast> Get (){
            //System.Diagnostics.Debugger.Break();

            return

            weather.Get();
        }

        [HttpPost]
        public System.Threading.Tasks.Task<int> MultiplyBy2 (int nr){
            //System.Diagnostics.Debugger.Break();

            return

            weather.MultiplyBy2(nr);
        }
    }
}

```

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

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)