using System.Collections.Generic;

using Microsoft.AspNetCore.Mvc;

using System.Linq;

namespace webapp{

    [Route("/api/child")]

    public class ChildController:Controller{

        private static IList<Child> \_children {get;set;}

        public ChildController(){

            \_children = new List<Child>(){

                new Child(1,"Alex",15),

                new Child(2,"Brad",11),

                new Child(3,"Summer",10),

                new Child(4,"Jeremy",7)

            };

        }

        [HttpGet()]

        public IEnumerable<Child> Get(){

            return \_children;

        }

        [HttpGet("{id:int}")]

        public Child Get(int id){

            return \_children.Where(c=>c.Id ==id).First();

        }

        [HttpPost()]

        [Produces("application/json",Type=typeof(Child))]

        public IActionResult Create([FromBody] Child child){

            if(!ModelState.IsValid){

                return BadRequest(ModelState);

            }

           \_children.Add(child);

           return CreatedAtAction("Get",new {id=child.Id},child);

        }

    }

}

using System.ComponentModel.DataAnnotations;

namespace webapp{

    public class Child{

        public Child(int id, string name, int age){

            Id=id;

            Name = name;

            Age = age;

        }

        public int Id {get;set;}

        [Required]

        public string Name {get;set;}

        public int Age {get;set;}

    }

}

**using Swashbuckle.AspNetCore.Swagger;**

namespace webapp

{

   public class Startup{

        public IConfigurationRoot Configuration {get;}

        public Startup(IHostingEnvironment env)

        {

            //Environment Development, Staging, Production

            //Powershell $env:ASPNETCORE\_ENVIRONMENT="Development"

            //IOS EXPORT ASPNETCORE\_ENVIRONMENT="Development"

            //CMD Setx ASPNETCORE\_ENVIRONMENT="Development"

            var config = new ConfigurationBuilder()

            .SetBasePath(Directory.GetCurrentDirectory())

            .AddJsonFile("appsettings.json")

            .AddJsonFile($"appsettings\_{env.EnvironmentName}.json",true);

            Configuration = config.Build();

        }

        public void ConfigureServices(IServiceCollection services)

        {

            services.AddOptions();

            services.Configure<Family>(Configuration.GetSection("Family"));

            services.AddMvc();

**services.AddSwaggerGen(**

**c =>**

**{**

**c.SwaggerDoc("v1",**

**new Info**

**{**

**Version = "v1",**

**Title = "Swashbuckle Sample API",**

**Description = "A sample API for testing Swashbuckle",**

**TermsOfService = "Some terms ..."**

**}**

**);**

**}**

**);**

        }

**public void Configure(IApplicationBuilder app, IHostingEnvironment env)**

**{**

**app.UseSwagger(c =>**

**{**

**c.PreSerializeFilters.Add((swagger, httpReq) =>**

**swagger.Host = httpReq.Host.Value);**

**});**

**app.UseSwaggerUI(c =>**

**{**

**c.SwaggerEndpoint("/swagger/v1/swagger.json", "V1 Docs");**

**});**

**}**

    }

}

{

  "version": "1.0.0-\*",

  "buildOptions": {

    "debugType": "portable",

    "emitEntryPoint": true

  },

  "dependencies": {

    "Microsoft.Aspnetcore.Server.Kestrel":"**1.0.\***",

    "Microsoft.AspNetCore.Hosting":"1.0.\*",

    "Microsoft.Extensions.Configuration": "1.0.\*",

    "Microsoft.Extensions.Configuration.Json": "1.0.\*",

    "Microsoft.Extensions.Configuration.CommandLine": "1.0.\*",

    "Microsoft.Extensions.Configuration.EnvironmentVariables": "1.0.\*",

    "Microsoft.Extensions.Options.ConfigurationExtensions": "1.0.\*",

    "Microsoft.AspnetCore.Mvc":"1.0.\*",

    "Microsoft.AspnetCore.Diagnostics":"1.0.\*",

**"Swashbuckle.AspNetCore":"1.0.0-rc3"**  },

  "tools":{

    "Microsoft.DotNet.Watcher.Tools":"1.0.0-preview2-final"

  },

  "frameworks": {

**"netcoreapp1.6": {**

      "dependencies": {

        "Microsoft.NETCore.App": {

          "type": "platform",

          "version": "1.0.1"

        }

      }

    }

  }

}