Swagger API Documentation

The Swagger Documentation Controller

Example:

```
using System;
using System.Web.Mvc;
using SwaggerAPIDocumentation.Interfaces;

namespace Controllers.API.Swagger
{
        public class SwaggerDocumentationController : Controller
        {
                private readonly ISwaggerApiDocumentation _apiDocumentation;

                public SwaggerDocumentationController()
                {
                        _apiDocumentation = new SwaggerApiDocumentation<SwaggerDocumentationController>;
                }

                [ActionName( "Index" )]
                public ActionResult Index( String name )
                {
                        return !String.IsNullOrEmpty( name ) ? this.Get( name ) : this.Get();
                }

                public ActionResult Get()
                {
                        return Content( _apiDocumentation.GetSwaggerAPIList(), "application/json" );
                }

                public ActionResult Get( string name )
                {
                        var controllerType Type.GetType( "Controller.Controllers.API." + name + "Controller" );

                        return Content( _apiDocumentation.GetControllerDocumentation( controllerType, “http://example.com” ),
                        "application/json" );
                }
        }
}
```

The type passed to the Generic Parameter of SwaggerApiDocumentation should be in the same assembly as your api controllers.

You need to specify the ControllerType, the name parameter will contain the controller with controller at the end.

The url should be the root url of your api excluding the trailing slash for example http://example.com/api.

Set the Swagger base path to this controller to get the documentation.

ApiDocumentationAttribute

This attribute can applied at either class level or method level.

Parameters :

- Url (required) – This is the after the api root for example /GetAllPeople
    - You can specify path parameters like this /Groups/{groupid}/GetAllPeople
    - You can specify query parameters like this /GetAllPeople?personGroup={personGroup}&personAge={personAge}
    - You can specify the parameter type like this (by default the parameter type is integer) /GetAllPeople?personName={personName:string}
    - You can also specify all the properties of a parameter by specifying the following key value pairs, separated by semicolons:
        - Name – The name of the parameter
        - Type – The data type of the parameter

        - Optional – Whether the parameter is optional or not (false is the default)
        - Description – Any description information you want to enter about the parameter

    For example:
    /GetAllPeople?personName={name=personName;type=string;optional=true;description=Should be longer than two characters}

- Description – Any information you want to supply about the api path
- ReturnType (this is required if applied at class level) – The type that this url returns, The return type is picked up from the method if ReturnType is not specified.
- RequestType – The Type Of the request this uses the mvc HttpVerbs Enum
- FormBody – The type of the form body