Swagger UI for Web API documentation

Swagger UI library allow user to visualize and interact with the API’s resources without having any of the implementation logic in place.

Below are the steps to integrate Swagger UI documentation for Web API project:

1. Create empty Web API project

[1]

1. Create ADO.Net Entity Data model connection

[2]

1. Add new Controller and select Web API 2 controller using Entity Framework

[3]

[4]

1. Now go to “Manage NuGet Packages…” and search online for “Swashbuckle”. From the list select “Swashbuckle - Swagger for Web API”
2. This will add references to “Swashbuckle - Swagger for Web API” and also to “Swashbuckle.Core - Swagger for Web API” to our project after checking its dependencies. The same will appear in packages.config file as:

<package id="Swashbuckle" version="5.2.2" targetFramework="net45" />

<package id="Swashbuckle.Core" version="5.2.2" targetFramework="net45" />

After successful installation, we see there is a new “SwaggerConfig.cs” config file in our App\_Start folder. This is where we set all Swagger related configurations.

1. Now build and run the project and navigate to <http://[domain]/swagger> that will load swagger help documentation something like below:

[5]

1. You can even embed custom CSS and JS to modify default Swagger layout by adding following two lines in SwaggerConfig file

c.InjectStylesheet(thisAssembly, "SwaggerUi.Content.myStyle.css");

c.InjectJavaScript(thisAssembly, "SwaggerUi.Scripts.myScript.js");

Please refer attached sample Web API application that demonstrate the usage of Swagger UI

Web API,Documentation,Help,REST,Services

References: <http://swagger.io/>