<https://docs.microsoft.com/en-us/aspnet/core/tutorials/getting-started-with-swashbuckle?view=aspnetcore-2.1&tabs=visual-studio%2Cvisual-studio-xml>

<https://www.c-sharpcorner.com/article/enable-swagger-in-your-net-core-2-0-application-step-by-step-guide/>

**API Documentation with Swagger/ Swagger UI**: It help the end user to understand about the APIs. what’s Data Model, Response Types, how to Test it etc. for other developer to use our new API.

Need nugget package (**Swashbuckle.AspNetCore** **swashbuckle**) + some code in API project

**add new middleware**: In Starup.cs Configure Services method add **services.AddSwaggerGen(){** // with some code **}**;

in Cofigure Mehod add **app.UseSwagger();** at the end of same method after Use MVC() add **app.UseSwaggerUI()**;

For Swagger UI go to: [http://localhost:1739/**swagger/ui/index.html**](http://localhost:1739/swagger/ui/index.html)

**Swagger UI**: Swagger UI is a collection of HTML, Javascript, and CSS assets that dynamically generate beautiful documentation from an OAS-compliant API.

**Install and Enable Annotations**: Install the following Nuget package into your ASP.NET Core application.

Package Manager : Install-Package Swashbuckle.AspNetCore.Annotations

Or try to find Swashbuckle.AspNetCore.Annotations

OpenAPI = Specification (API specifications can be written in YAML or JSON.)

Swagger = Tools for implementing the specification

Swagger toolset includes a mix of open source, free, and commercial tools, which can be used at different stages of the API lifecycle.

**Swagger Codegen** – generates server stubs and client libraries from an OpenAPI spec. The only thing left is to implement the server logic – and your API is ready to go live.

Use Swagger Codegen to generate client libraries for your API.

swagger-codegen contains a template-driven engine to generate documentation, API clients and server stubs in different languages by parsing your OpenAPI / Swagger definition.