**What is Swagger Editor?**

The Swagger Editor is an open source editor to design and document RESTful APIs in the Swagger Specification. Swagger Editor can be run locally or accessed on the Web.

**General Features of Swagger Editor?**

* YAML editor with basic style validation
* Swagger 2.0, OpenAPI 3.0 specification support
* Real-Time Validation
* Smart Auto-Completion
* Auto-Generated Interactive API Documentation

**Swagger Editor**

Open <https://editor.swagger.io/> this is a yml editor, where we will design and document our API

It provides suggestions whenever we press Ctrl + SpaceBar.

Firstly we have to specify swagger 2.0 or openapi 3.0.0.

We can add the basic info such as title, description, version, contact of the API.

We can add the path, then we need to add the resource in the path as well as the operations.

openapi: 3.0.0

info:

description: Student API by Rose Pauline

title: Student API

version: 1.0.0

contact:

name: Rose Pauline

email: rosepaulineg@gmail.com

paths:

/student:

description: Student Resource

get:

description: Operation to get the Student data

parameters:

- in: query

name: studentname

required: true

schema:

type: string

example: John

responses:

200:

description: Successful Response

content:

application/json:

schema:

type: array

items:

properties:

Student ID:

type: integer

example: 1

Student Name:

type: string

example: Peter

Student Remarks:

type: string

example: High Grade Student

post:

description: Add a Student

requestBody:

content:

application/json:

schema:

type: object

properties:

Student ID:

type: integer

example: 1

Student Name:

type: string

example: Peter

Student Remarks:

type: string

example: High Grade Student

responses:

201:

description: Record successfully added

/student{id}:

description: Retrieve the Student based on a Path Parameter

get:

description: Operation to get the Student data by Id

parameters:

- in: path

name: id

required: true

schema:

type: integer

responses:

200:

description: Scccess response with a path parameter

content:

application/json:

schema:

type: array

items:

properties:

Student ID:

type: integer

example: 1

Student Name:

type: string

example: Peter

Student Remarks:

type: string

example: High Grade Student