**REST API**

**DEVELOPMENT**

**USING**

**FLASK/FLASK-RESTFUL**

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# What are REST APIs ?

# Why have REST APIs become so popular over the years

# REST vs SOA vs Micro Services

# The Open API Specification

## The Open API

## The Open API Specification Document

### Samples

|  |  |
| --- | --- |
| # | Open weather map [YAML format] |

## Auto generation of the Open API specification document from code annotations

# Swagger UI

## What is Swagger UI

Swagger UI provides a display framework that reads an [OpenAPI specification document](https://github.com/OAI/OpenAPI-Specification) and generates an interactive documentation website.

The UI generates an interactive API console for users to quickly learn about various APIs and actually experiment with requests.

One can get familiar with Swagger UI through the Petstore demo.

First time users are encouraged to explore the [Swagger Petstore example](http://petstore.swagger.io/) to get a better understanding of Swagger UI, let’s.

In the Petstore example, the site is generated using [Swagger UI](https://github.com/swagger-api/swagger-ui)

More information available at - <https://idratherbewriting.com/learnapidoc/pubapis_swagger.html>

## Installing Swagger UI

### Method 1

|  |  |
| --- | --- |
| # | Step |
| 1 | Install Node JS |
| 2 | Install swagger-ui-dist module |
| 3 | Install httpster to serve the swagger-ui-dist module |

## Tweaking Swagger UI

By default, the Swagger UI will launch the petstore demo. This can be changed to launch other documents.

|  |
| --- |
| The index.html file in the swagger-ui-dist folder has been modified to read another .yml file |

# Alternatives to Swagger

## PostMan

# A sample REST API using Flask-Restful

## Sample

## Documenting this REST API

## Auto generation of Open API spec documentation

## Viewing the API on Swagger UI

## Testing this API

# Full Fledged REST API development using Flask-Restful

## 