## Prerequisite and Tools

Prerequisite	.NET Core 3.1, C#, MongoDB
Tools	Visual Studio 2019, Docker Desktop, Postman

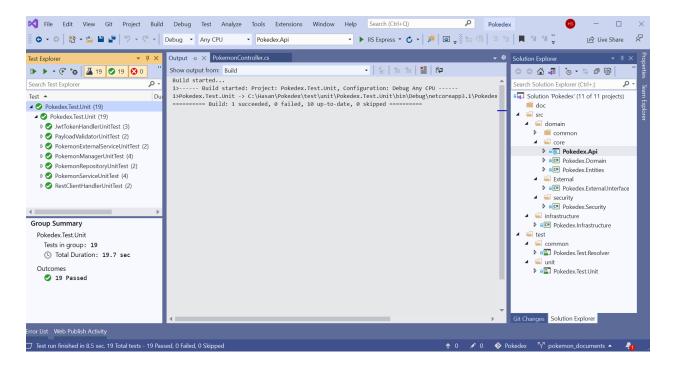
## Github Repository

https://github.com/HasanShahjahan/Pokedex

# **Project Structure and Configuration**

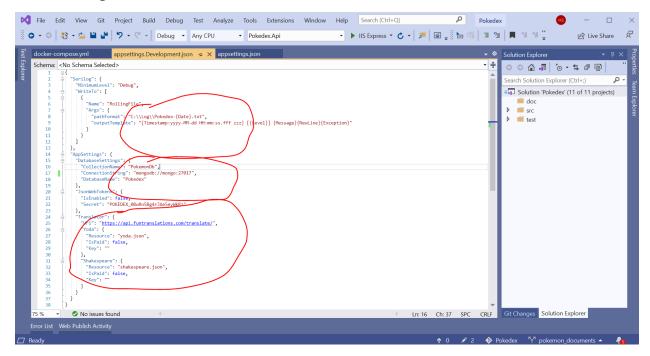
## **Project Structure**

Project has basically three parts doc, src and test. All the documents are available under the doc folder, src includes main project and test section includes unit tests.



## **Project Configuration**

## Web Configuration



#### Serilog

Please specify the *log path* where application log will be saved. It's a *rolling file* and we can set the *log level* too.

#### **Database Settings**

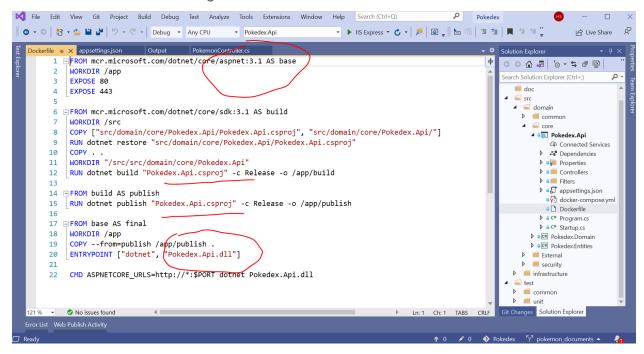
Contains MongoDB database credentials including **connection string**, **collection name and database name**.

#### **JWT Token**

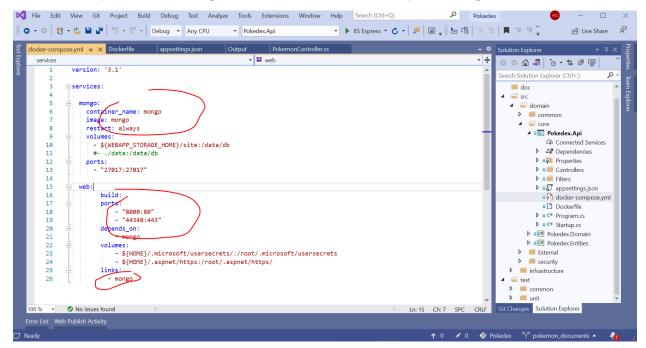
Requests will be authorized by JsonWebToken **secret**. Pokedex api is also configurable with token **enable or disable**. <u>If we don't want to authorize, please specify false it's isEnabled parameter.</u>

## **Docker Container Configuration**

#### Docker file - For docker images



Docker Compose - For mongodb and browser localhost port configuration.



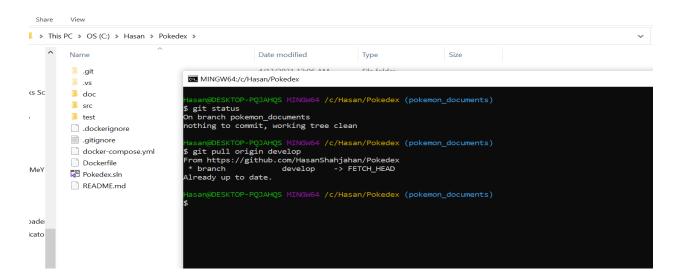


# Deployment

## Local Deployable Docker container

### Step 1

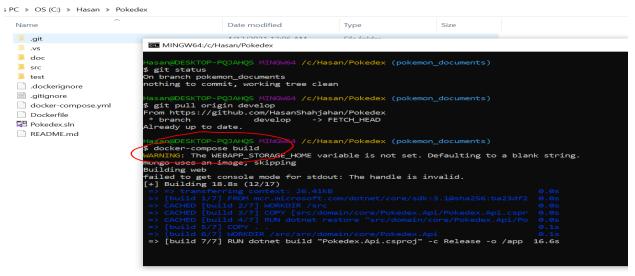
Download or clone project from <a href="https://github.com/HasanShahjahan/Pokedex">https://github.com/HasanShahjahan/Pokedex</a>



### Step 2

Write below command and enter -

#### docker-compose build

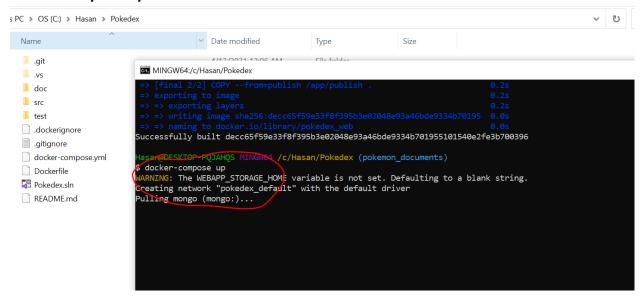




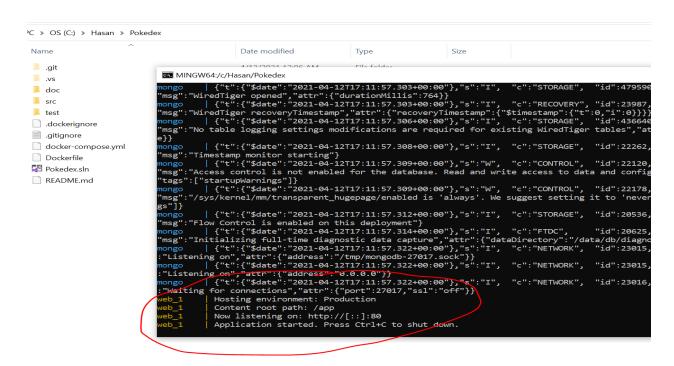
## Step 3

#### Write below command and enter -

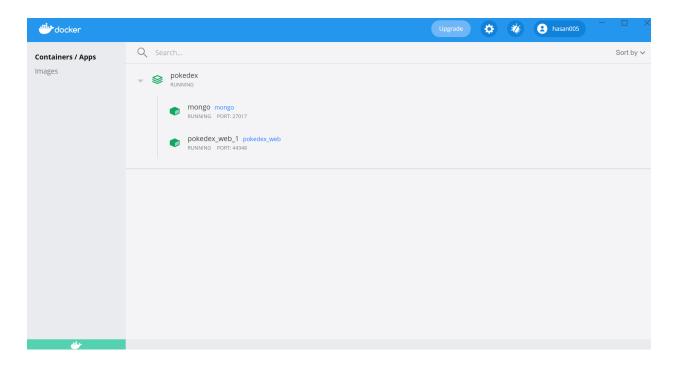
#### docker-compose up



#### We are done.



Our application will be running our local docker container.



## Step 4

### Congratulations !!!

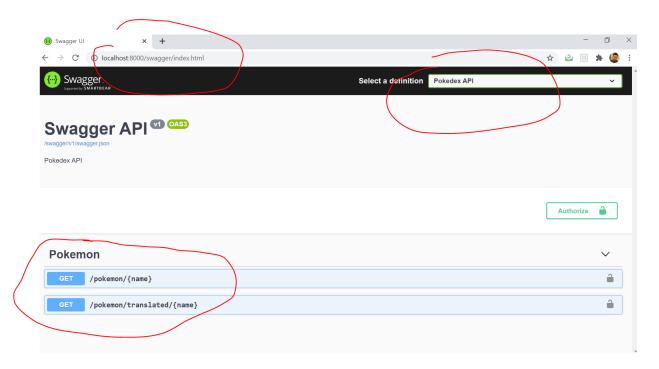
As we have seen our port configuration inside *docker-compose.yml*, *let's try through the browser*. Pokedex service also has implemented swagger, let's try through (We can also try by postman)

Platform	localhost
Publish Type	Docker Container
Local URL	http://localhost:8000/swagger/index.html
Api Authorization Token Optional	Bearer eyJhbGciOiJlUzl1NilsInR5cCl6lkpXVCJ9.eyJ1c2VyX2lkZW50aXR5ljoiSGFzYW4iLCJuYmYi OjE2MTc5MDU4NjYsImV4cCl6MTYyMDQ5Nzg2NiwiaWF0ljoxNjE3OTA1ODY2fQ.o2rTundlH pSacmWA8hR130GGHtSWH9ufWbURBnSJ6G8

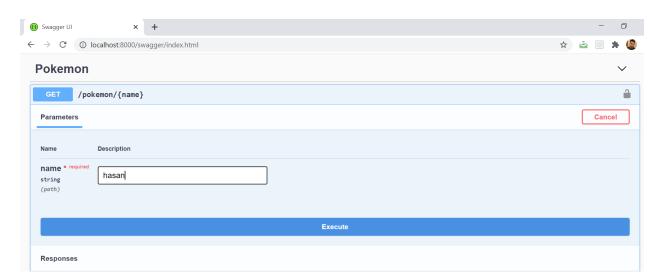


### Let's try -

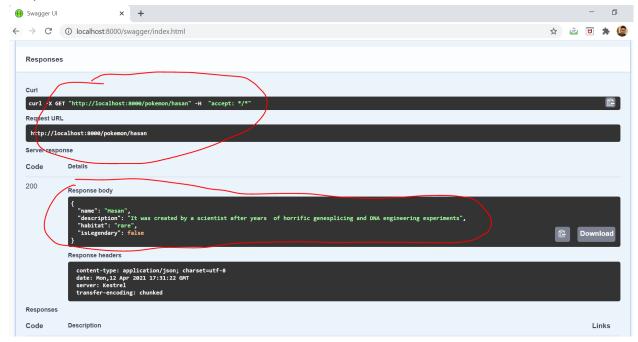
Open browser and paste <a href="http://localhost:8000/swagger/index.html">http://localhost:8000/swagger/index.html</a>



### Request



#### Response



It is just a beginning, Cheers !!!