Prerequisite and Tools

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

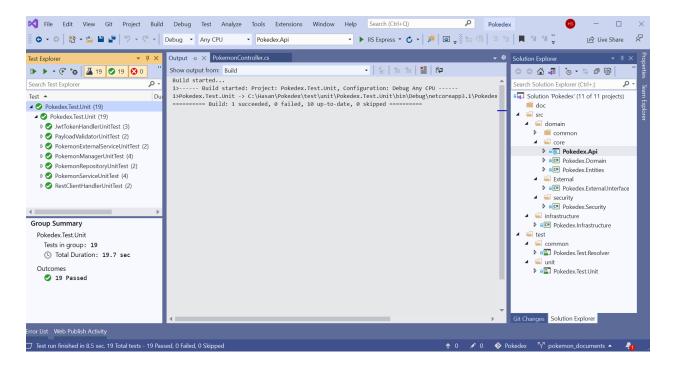
Github Repository

https://github.com/HasanShahjahan/Pokedex

Project Structure and Configuration

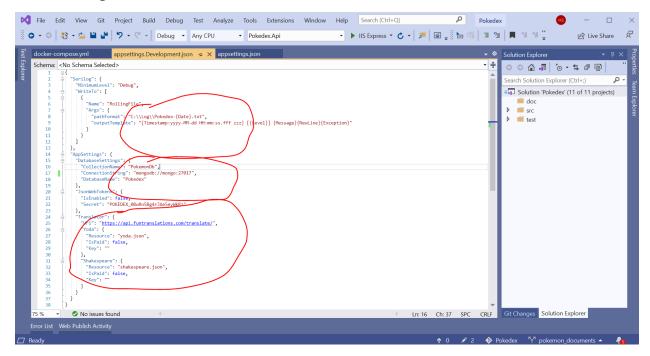
Project Structure

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

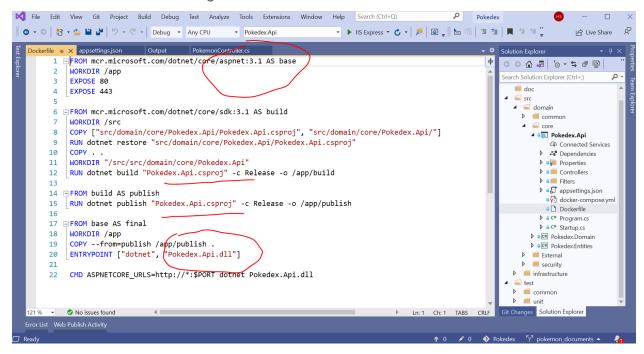
Contains MongoDB database credentials including **connection string**, **collection name and database name**.

JWT Token

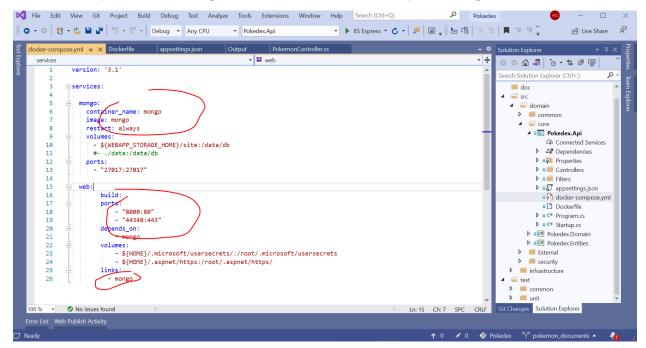
Requests will be authorized by JsonWebToken **secret**. Pokedex api is also configurable with token **enable or disable**. <u>If we don't want to authorize, please specify false it's isEnabled parameter.</u>

Docker Container Configuration

Docker file - For docker images



Docker Compose - For mongodb and browser localhost port configuration.



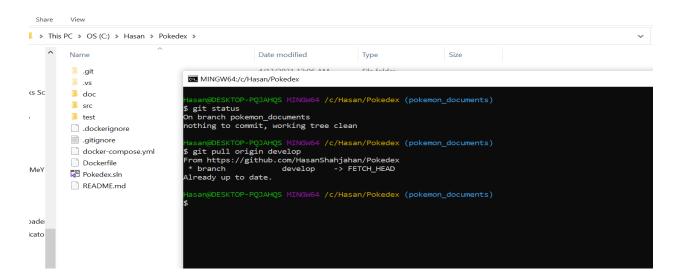


Deployment

Local Deployable Docker container

Step 1

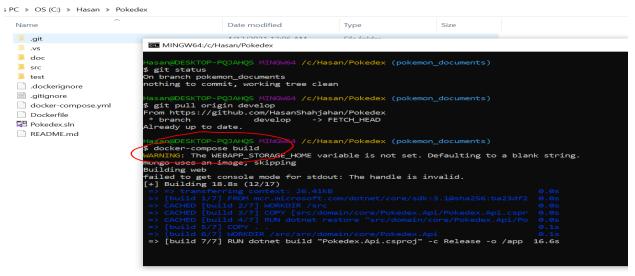
Download or clone project from https://github.com/HasanShahjahan/Pokedex



Step 2

Write below command and enter -

docker-compose build

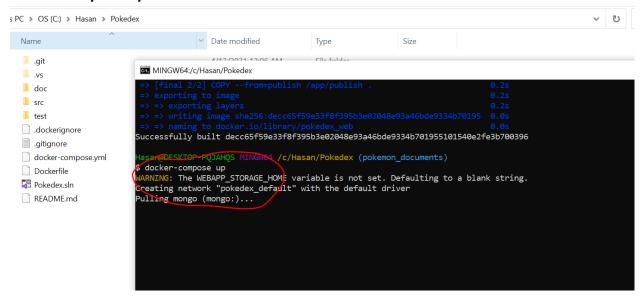




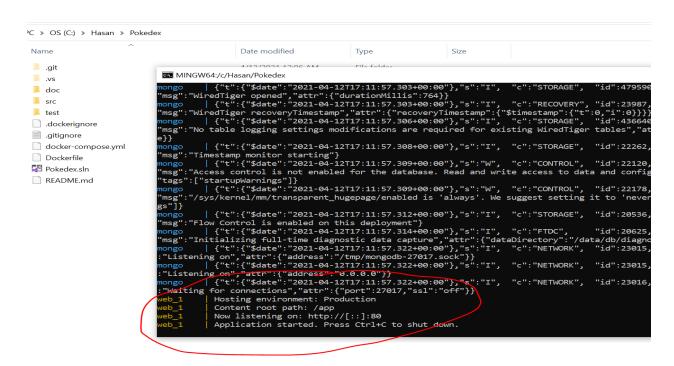
Step 3

Write below command and enter -

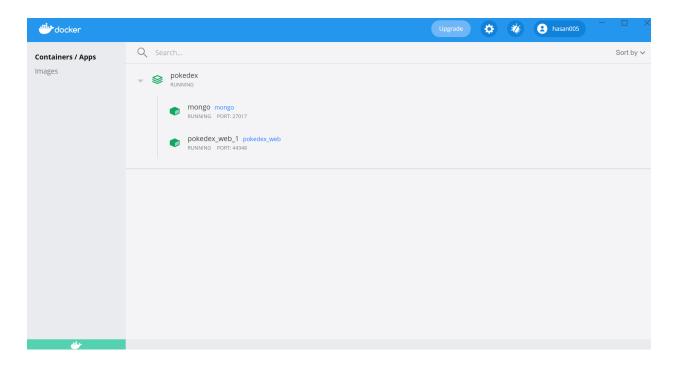
docker-compose up



We are done.



Our application will be running our local docker container.



Step 4

Congratulations !!!

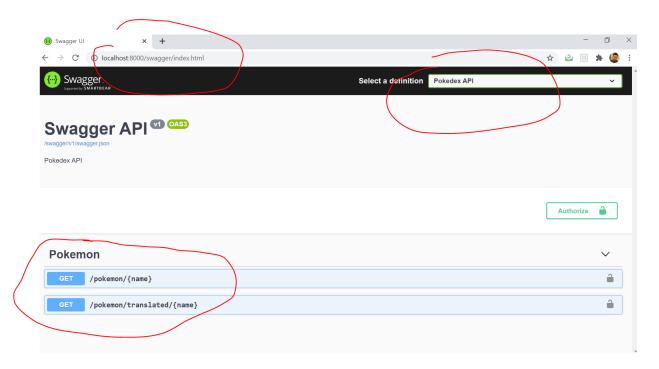
As we have seen our port configuration inside *docker-compose.yml, let's try through the browser.* Pokedex service also has implemented swagger, let's try through (We can also try by postman)

Platform	localhost
Publish Type	Docker Container
Local URL	http://localhost:8000/swagger/index.html
Api Authorization Token Optional	Bearer eyJhbGciOiJIUzl1NilsInR5cCl6lkpXVCJ9.eyJ1c2VyX2lkZW50aXR5ljoiSGFzYW4iLCJuYmYi OjE2MTc5MDU4NjYsImV4cCl6MTYyMDQ5Nzg2NiwiaWF0ljoxNjE3OTA1ODY2fQ.o2rTundIH pSacmWA8hR130GGHtSWH9ufWbURBnSJ6G8

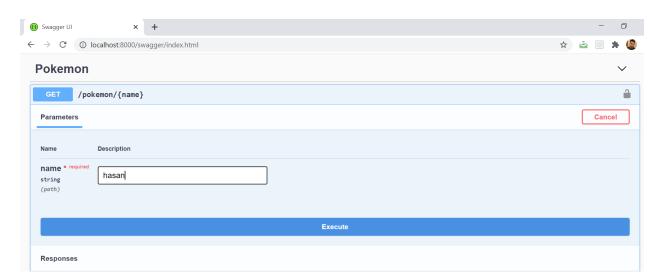


Let's try -

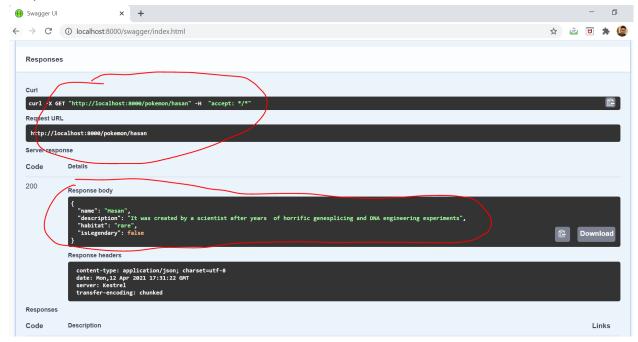
Open browser and paste http://localhost:8000/swagger/index.html



Request



Response



It is just a beginning, Cheers !!!