
README

Step by step guide to phase3 of the project.

Inside the directory we have these files:

- Docker-compose
- Dockerfile
- Index.py
- Requirements
- Templates –directory

In order to run this demo we need to open up terminal or command prompt and get docker ready to run.

So first we type in:

```
docker build -t index.py .
```

this will allow us to build everything the Dockerfile contains which will help us build our applications.

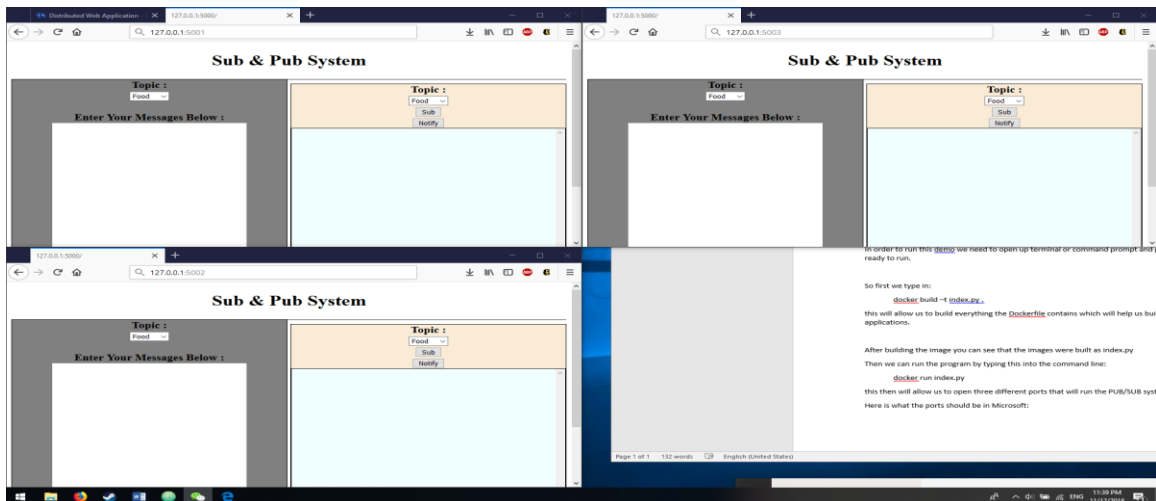
After building the image you can see that the images were built as index.py

Then we can run the program by typing this into the command line:

```
docker run index.py
```

this then will allow us to open three different ports that will run the PUB/SUB system.

Here is what the ports should be in Microsoft:



You can see that the three windows of each port has open 5001, 5002, 5003.

So let us subscribe the user at port 5002 to the topic FOOD by selecting the topic and clicking on the subscribe button.

Then the FOOD will turn green within the port. As other ports stays the same.

Then go to any of the other users from ports 5001 or 5003 and publish an event of the topic FOOD. When the user clicks on submit button, the user at port 5002 will be notified and update the message inside the subscribe box.

You can play around with the three users being open and open another one. The maximum ports it increments is up to 5004.