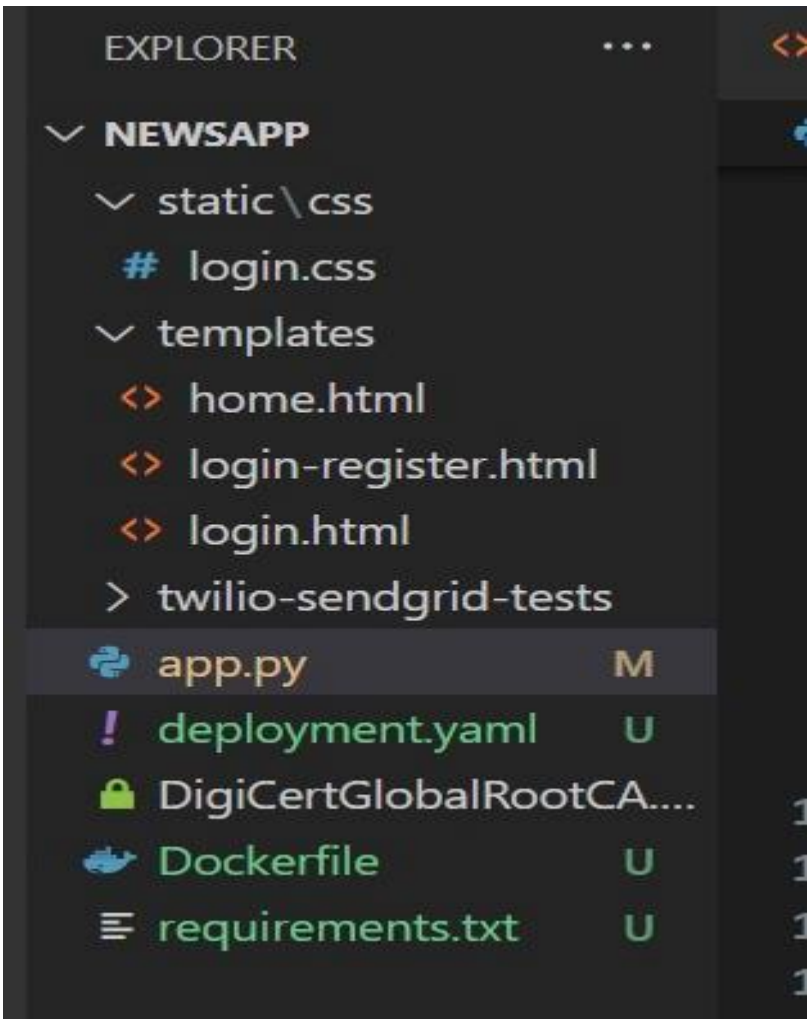
Containerize your Flask application

- In your project directory, create a file named "Dockerfile." *Suggestion: Name your file exactly "Dockerfile," nothing else.*



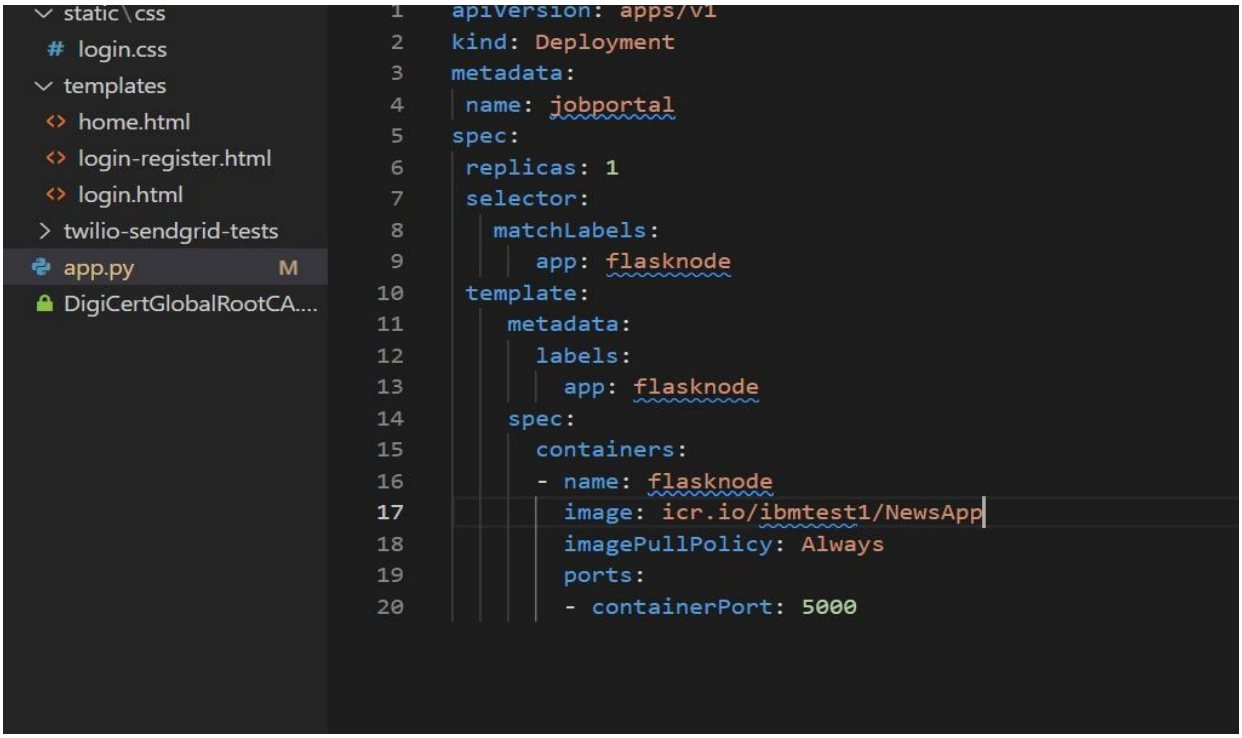
A "Dockerfile" is used to indicate to Docker a base image, the Docker settings you need, and a list of commands you would like to have executed to prepare and start your new container.

In the file, paste this code:

Dockerfile - Notepad

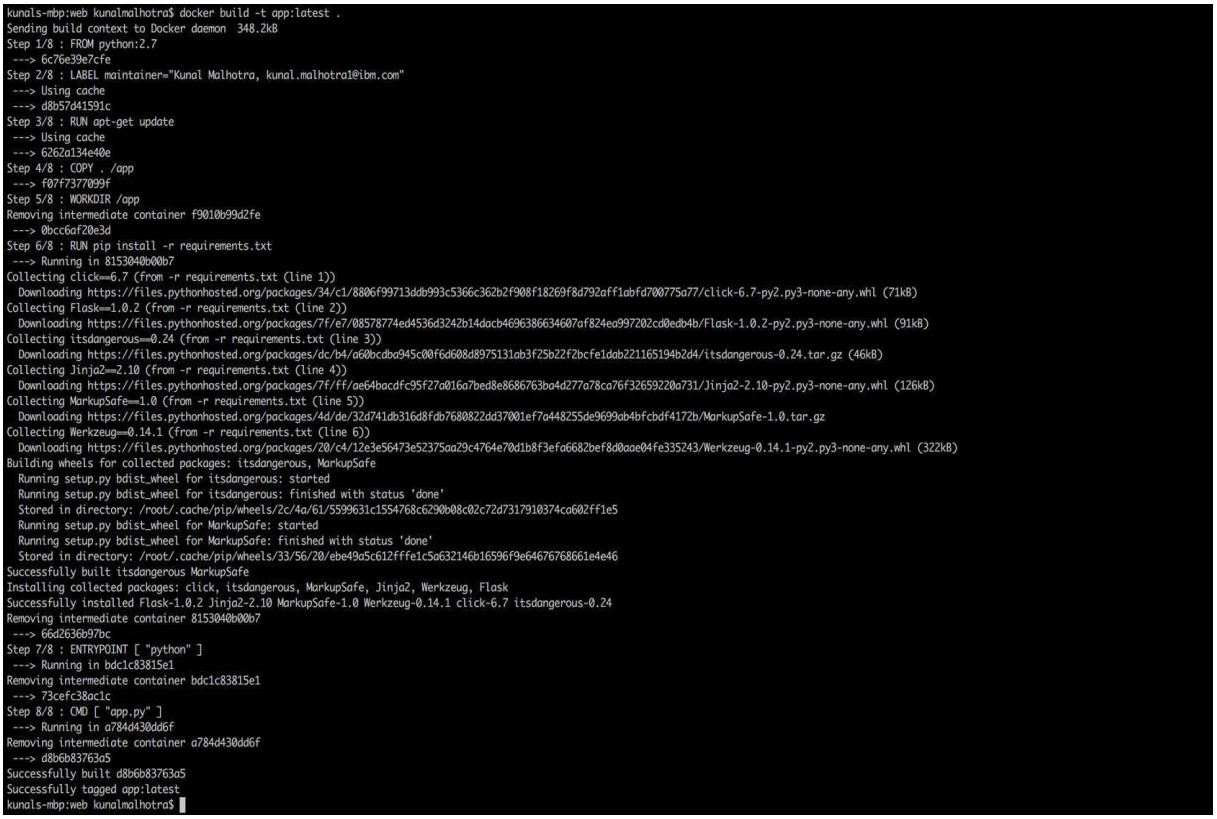
File Edit Format View Help

```
FROM python:3.6
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
EXPOSE 5000
CMD ["python","app.py"]
```



Build an image from the Dockerfile

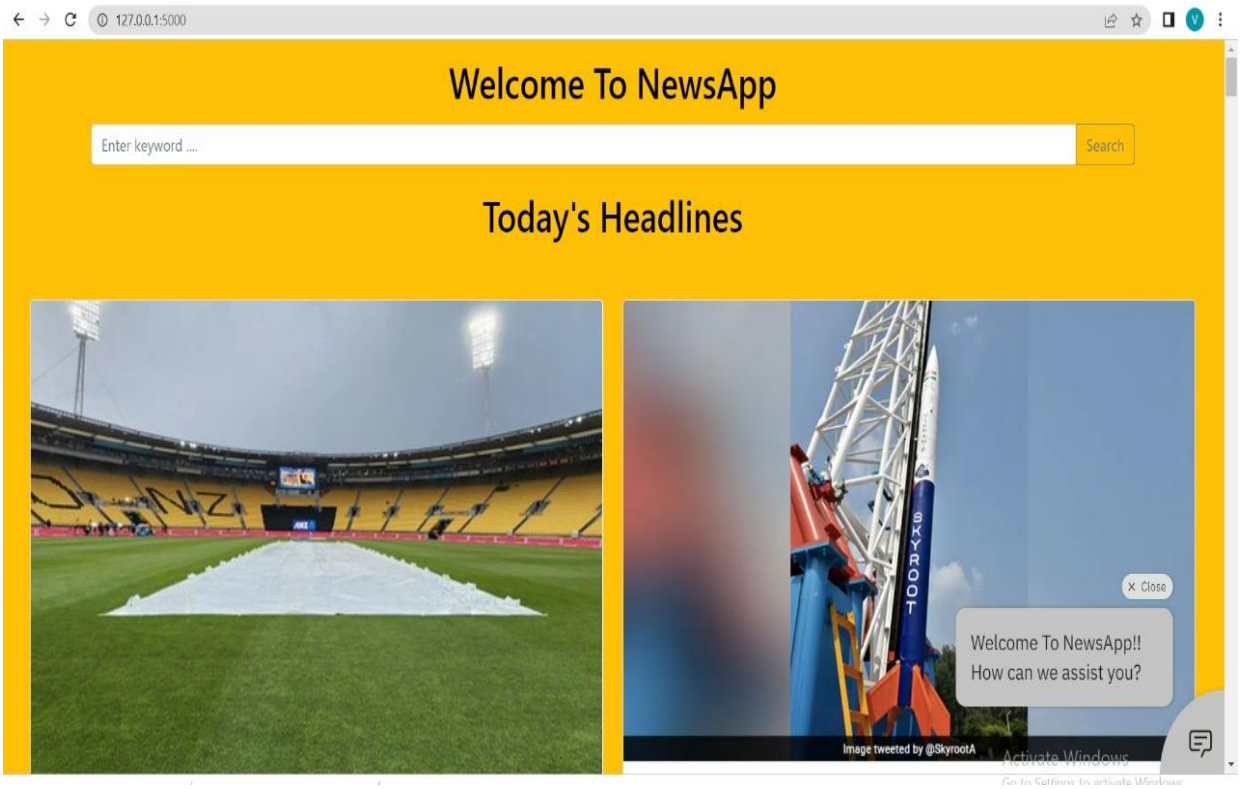
Open the terminal and type this command to build an image from your Dockerfile: docker build -t <image_name>:<tag> . (note the period to indicate we're in our apps top level directory). For example: docker build -t app:latest .



Run your container locally and test

After you build your image successfully, type: docker run -d -p 5000:5000 app

This command will create a container that contains all the application code and dependencies from the image and runs it locally.


127.0.0.1:5000
Welcome To NewsApp
Enter keyword ....
Search
Today's Headlines
SKYROOT
image tweeted by @SkyrootA
× Close
Welcome To NewsApp!!
How can we assist you?
Activate Windows