Task.

```
ubuntu@ip-172-31-41-209:~/flask-app$ docker build -t cats:v3 .
Sending build context to Docker daemon   7.68kB
Step 1/9 : FROM alpine:3.5
 ---> f80194ae2e0c
Step 2/9 : RUN apk add --update py2-pip
 ---> Using cache
 ---> f39da0018d1c
Step 3/9 : RUN pip install --upgrade pip
 ---> Using cache
 ---> 4af1426c23bd
Step 4/9 : COPY requirements.txt /usr/src/app/
 ---> Using cache
 ---> 0b27e928f636
Step 5/9 : RUN pip install --no-cache-dir -r /usr/src/app/requirements.txt
 ---> Using cache
 ---> 2691ed837acd
Step 6/9 : COPY app.py /usr/src/app/
 ---> b1cbb458b33e
Step 7/9 : COPY templates/index.html /usr/src/app/templates/
 ---> 4a335ef1047a
Step 8/9 : EXPOSE 5000
 ---> Running in dad11681f2f4
Removing intermediate container dad11681f2f4
 ---> ade2f6d4ae4f
Step 9/9 : CMD ["python", "/usr/src/app/app.py"]
 ---> Running in a69c80a0f83a
Removing intermediate container a69c80a0f83a
 ---> 1e86059f7f64
Successfully built 1e86059f7f64
Successfully tagged cats:v3
ubuntu@ip-172-31-41-209:~/flask-app$
```

```
ubuntu@ip-172-31-41-209:~/flask-app$ docker run -d -p 2222:5000 cats:v3
5ed4d394513de6f6a1820a03a998534dc2ed7c81ed3143b5c8d1423e8ff1ef14
ubuntu@ip-172-31-41-209:~/flask-app$ docker ps
CONTAINER ID   IMAGE      COMMAND              CREATED         STATUS         PORTS
               NAMES
5ed4d394513d   cats:v3    "python /usr/src/app…"   34 seconds ago  Up 33 seconds  0.0.0.0:2222->5000/tcp, :::22
22->5000/tcp   pedantic_carver
ubuntu@ip-172-31-41-209:~/flask-app$ docker exec -it 5ed4d394513d /bin/sh
/ # echo "Version 3" >> /usr/src/app/templates/index.html
/ # exit
ubuntu@ip-172-31-41-209:~/flask-app$
```

CAT GIF OF THE DAY

Courtesy: Buzzfeed

Version 3

```
ubuntu@ip-172-31-41-209:~/flask-app$ docker images
REPOSITORY      TAG        IMAGE ID        CREATED           SIZE
cats            v3         1e86059f7f64    27 minutes ago    67.4MB
cats            v2         8979f5bec502    39 minutes ago    67.4MB
cats            v1         fad98b2c5747    About an hour ago 67.4MB
alpine          3.5        f80194ae2e0c    3 years ago       4MB
ubuntu@ip-172-31-41-209:~/flask-app$ docker tag cats:v3 davig2010/cats
ubuntu@ip-172-31-41-209:~/flask-app$ docker images
REPOSITORY      TAG        IMAGE ID        CREATED           SIZE
davig2010/cats  latest     1e86059f7f64    28 minutes ago    67.4MB
cats            v3         1e86059f7f64    28 minutes ago    67.4MB
cats            v2         8979f5bec502    40 minutes ago    67.4MB
cats            v1         fad98b2c5747    About an hour ago 67.4MB
alpine          3.5        f80194ae2e0c    3 years ago       4MB
ubuntu@ip-172-31-41-209:~/flask-app$ docker push davig2010/cats
Using default tag: latest
The push refers to repository [docker.io/davig2010/cats]
0fed97f0209c: Pushed
bd510526ede4: Pushed
e2369decf369: Pushed
06862eac811e: Pushed
560513063fa5: Pushed
64b8089c434a: Pushed
f566c57e6f2d: Pushed
latest: digest: sha256:fbc52617c7912badb184c987624f061deba46c24f8957e202d6f50eae69b60ed size: 1782
ubuntu@ip-172-31-41-209:~/flask-app$
```