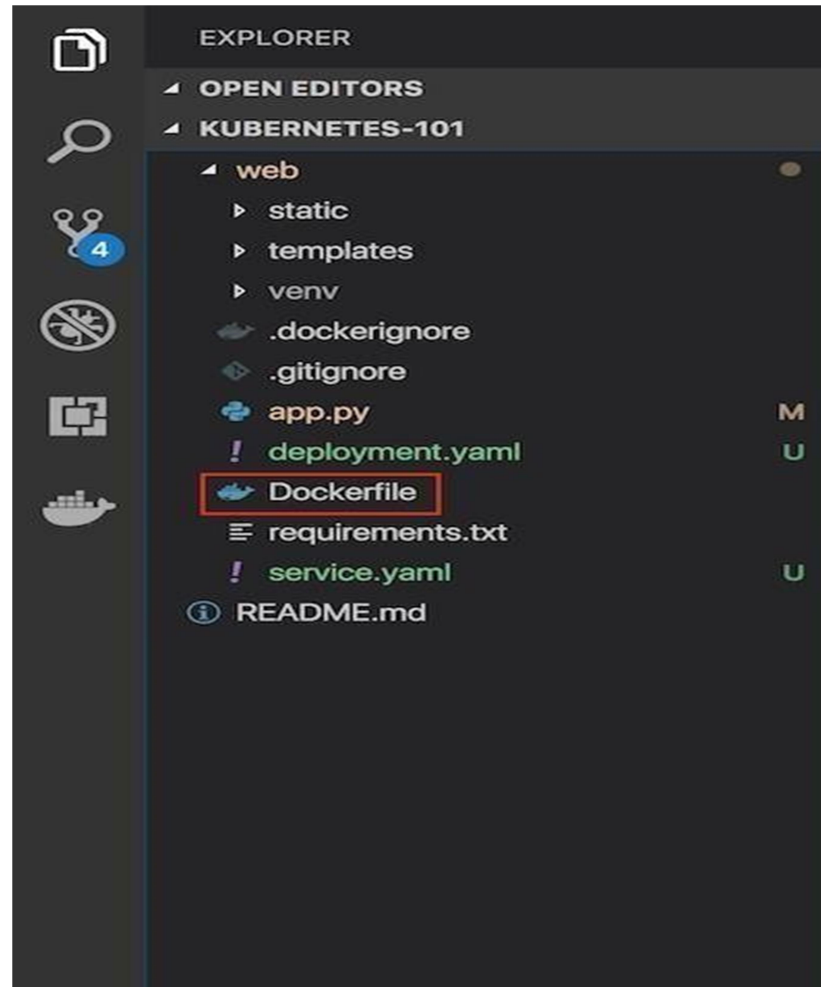


# CUSTOMER CARE REGISTRY

## CONTAINERIZE THE APP

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<b>Department</b>	ELECTRONICS & COMMUNICATION ENGINEERING

## CREATE DOCKER FILE:



## DOCKER PUSH:

```
kunals-mbp:web kunalmalhotra$ docker build -t app:latest .
Sending build context to Docker daemon 348.2kB
Step 1/8 : FROM python:2.7
--> 6c76e39e7cfe
Step 2/8 : LABEL maintainer="Kunal Malhotra, kunal.malhotra1@ibm.com"
--> Using cache
--> d8b57d41591c
Step 3/8 : RUN apt-get update
--> Using cache
--> 6262a134e40e
Step 4/8 : COPY . /app
--> f07f7377099f
Step 5/8 : WORKDIR /app
Removing intermediate container f9010b99d2fe
--> 0bcc6af20e3d
Step 6/8 : RUN pip install -r requirements.txt
--> Running in 8153040b00b7
Collecting click==6.7 (from -r requirements.txt (line 1))
  Downloading https://files.pythonhosted.org/packages/34/c1/8806f99713ddb993c5366c362b2f908f18269f8d792aff1abfd700775a77/click-6.7-py2.py3-none-any.whl (71kB)
Collecting Flask==1.0.2 (from -r requirements.txt (line 2))
  Downloading https://files.pythonhosted.org/packages/7f/e7/08578774ed4536d3242b14dacb4696386634607af824ea997202cd0ed4b/Flask-1.0.2-py2.py3-none-any.whl (91kB)
Collecting itsdangerous==0.24 (from -r requirements.txt (line 3))
  Downloading https://files.pythonhosted.org/packages/dc/b4/a60bcd8a945c00f6d608d8975131ab3f25b22f2bcfe1dab221165194b2d4/itsdangerous-0.24.tar.gz (46kB)
Collecting Jinja2==2.10 (from -r requirements.txt (line 4))
  Downloading https://files.pythonhosted.org/packages/7f/ff/ae64bacdfc95f27a016a7bed8e8686763ba4d277a78ca76f32659220a731/Jinja2-2.10-py2.py3-none-any.whl (126kB)
Collecting MarkupSafe==1.0 (from -r requirements.txt (line 5))
  Downloading https://files.pythonhosted.org/packages/4d/de/32d741db316d8fdb7680822dd37001ef7a448255de9699ab4bfcdbf4172b/MarkupSafe-1.0.tar.gz
Collecting Werkzeug==0.14.1 (from -r requirements.txt (line 6))
  Downloading https://files.pythonhosted.org/packages/20/c4/12e3e56473e52375aa29c4764e70d1b8f3efa6682bef8d0aae04fe335243/Werkzeug-0.14.1-py2.py3-none-any.whl (322kB)
Building wheels for collected packages: itsdangerous, MarkupSafe
  Running setup.py bdist_wheel for itsdangerous: started
  Running setup.py bdist_wheel for itsdangerous: finished with status 'done'
  Stored in directory: /root/.cache/pip/wheels/2c/4a/61/5599631c1554768c6290b08c02c72d7317910374ca602ff1e5
  Running setup.py bdist_wheel for MarkupSafe: started
  Running setup.py bdist_wheel for MarkupSafe: finished with status 'done'
  Stored in directory: /root/.cache/pip/wheels/33/56/20/ebe49a5c612ffffe1c5a632146b16596f9e64676768661e4e46
Successfully built itsdangerous MarkupSafe
Installing collected packages: click, itsdangerous, MarkupSafe, Jinja2, Werkzeug, Flask
Successfully installed Flask-1.0.2 Jinja2-2.10 MarkupSafe-1.0 Werkzeug-0.14.1 click-6.7 itsdangerous-0.24
Removing intermediate container 8153040b00b7
--> 66d2636b97bc
Step 7/8 : ENTRYPOINT [ "python" ]
--> Running in bdc1c83815e1
Removing intermediate container bdc1c83815e1
--> 73cefc38ac1c
Step 8/8 : CMD [ "app.py" ]
--> Running in a784d430dd6f
Removing intermediate container a784d430dd6f
--> d8b6b83763a5
Successfully built d8b6b83763a5
Successfully tagged app:latest
kunals-mbp:web kunalmalhotra$
```

```
kunals-nbp:web kunalmalhotra$ docker run -d -p 5000:5000 app
3c2bbf86f758e9a606006eb52a2ef389ea8400eb88263137ca5543c60c616247
kunals-nbp:web kunalmalhotra$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3c2bbf86f758	app	"python app.py"	Less than a second ago	Up 5 seconds	0.0.0.0:5000->5000/tcp	compassionate_keldysh

```
kunals-nbp:web kunalmalhotra$
```

## CONTAINERIZING THE APPLICATION:

The screenshot displays the Docker Desktop application interface. On the left is a dark sidebar with navigation options: Containers (selected), Images, Volumes, Dev Environments (marked BETA), Extensions (marked BETA), and Add Extensions. The main panel is titled 'Containers' and includes a 'Give feedback' link. Below the title is a descriptive sentence about containers and a 'Learn more' link. A toggle switch for 'Only show running containers' is active. A search bar is located in the top right of the main panel. Below these elements is a table listing containers. One container is shown: 'kind\_saha' with ID '90dd6397eafd', using the 'app:latest' image, in a 'Running' state, with ports '5000:5000' mapped, and started '7 seconds ago'. The table has columns for selection, name, image, status, ports, started time, and actions. At the bottom right of the main panel, it says 'Showing 1 items'. The bottom status bar shows system metrics: RAM 3.38GB, CPU 4.07%, and connection status 'Connected to Hub'. The version 'v4.13.0' is also displayed.

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	kind_saha 90dd6397eafd	app:latest	Running	5000:5000	7 seconds ago	[Stop] [Refresh] [Delete]

Showing 1 items

RAM 3.38GB CPU 4.07% Connected to Hub v4.13.0

THANK YOU