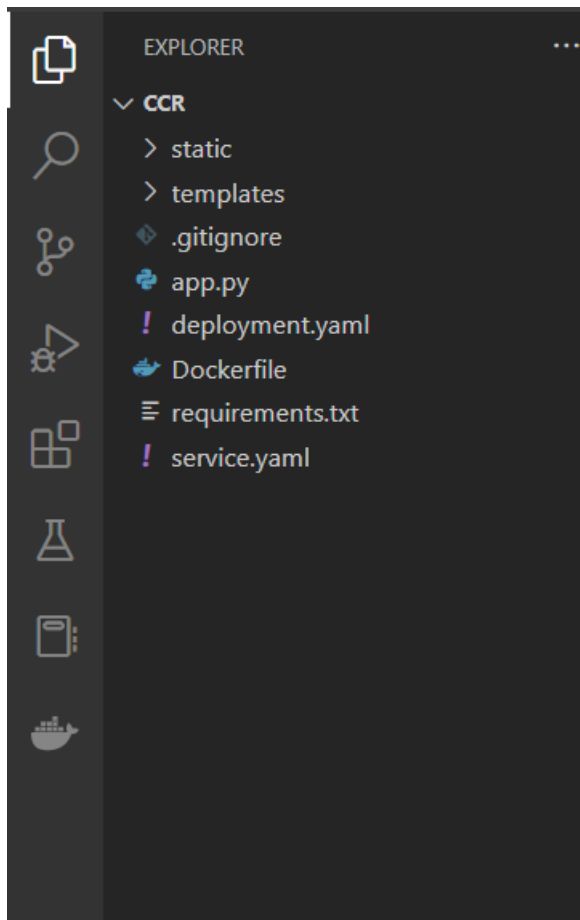


## Deployment of app in IBM Cloud

### Containerize the app

Date	14 November 2022
Team ID	PNT2022TMID42506
Project Name	CUSTOMER CARE REGISTRY

#### Step 1. Create the Dockerfile and paste the code



#### Step 2. Build an image from the docker file.

```

Select C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User\Documents\project\New folder\CCR>docker build -t app:latest .
[+] Building 982.2s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 440B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:3.8.5-alpine
=> [auth] library/python:pull token for registry-1.docker.io
=> [1/6] FROM docker.io/library/python:3.8.5-alpine@sha256:cbc88bfc4b1b732076742f52852ede090e960ab7470d0a60ee4f9 112.1s
=> => resolve docker.io/library/python:3.8.5-alpine@sha256:cbc88bfc4b1b732076742f52852ede090e960ab7470d0a60ee4f9 1.2s
=> => sha256:cbc88bfc4b1b732076742f52852ede090e960ab7470d0a60ee4f964cfa7c718a 1.65kB / 1.65kB
=> => sha256:906016c291ddc23201c675b880e7257e5528bbd152fcbda8bf90540b6653e8a 1.37kB / 1.37kB
=> => sha256:0f01316da27d216ab1a81ebce0110251042556fe52eb86dc1d26602a78d985 7.21kB / 7.21kB
=> => sha256:3e7e711b5d8a0c098903812d0e415677210e0b072b25d0a05c905c227d4a0 11.45kB / 11.45kB
=> => sha256:30b1ade4ff6ff7b76ae2370a02177205845aaf709a3908f964054bd1421edc9 288.84kB / 288.84kB
=> => sha256:df20fa9351a15782c64e5d3db3d4a6f50bf6d368860a34c4014b0d8a752ebdc 2.89kB / 2.89kB
=> => sha256:79518f720a090ab5856d10421e99740003b740123bc56f7e9a4ce19614fa515 2.30kB / 2.30kB
=> => sha256:07bc731e05539a4a424035210271b0d907b42a0110d12b9ec57deb95279e70e 2.12kB / 2.12kB
=> => extracting sha256:df20fa9351a15782c64e5d3db3d4a6f50bf6d368860a34c4014b0d8a752ebdc 35.4s
=> => extracting sha256:30b1ade4ff6ff7b76ae2370a02177205845aaf709a3908f964054bd1421edc9 5.6s
=> => extracting sha256:3e7e711b5d8a0c098903812d0e415677210e0b072b25d0a05c905c227d4a0 10.4s
=> => extracting sha256:78538f720a0950ab5856d10421e99740003b740123bc56f7e9a4ce19614fa515 0.2s
=> => extracting sha256:07bc731e05539a4a424035210271b0d907b42a0110d12b9ec57deb95279e70e 5.3s
=> [internal] load build context
=> => transferring context: 1.03kB
=> [2/6] WORKDIR /app
=> [3/6] CMD ["app"]

```

```

Select C:\Windows\System32\cmd.exe
=> [internal] load metadata for docker.io/library/python:3.8.5-alpine 50.6s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/6] FROM docker.io/library/python:3.8.5-alpine@sha256:cbc08bfc4b1b732076742f52852ede090e960ab7470d0a60ee4 112.1s
=> => resolve docker.io/library/python:3.8.5-alpine@sha256:cbc08bfc4b1b732076742f52852ede090e960ab7470d0a60ee4f9 1.2s
=> => sha256:cbc08bfc4b1b732076742f52852ede090e960ab7470d0a60ee4f964cfa7c710a 1.65kB / 1.65kB 0.0s
=> => sha256:906616c291ddc23201c675b880e7297e5528bbd352fcbdda8bf90546bb653e0a 1.37kB / 1.37kB 0.0s
=> => sha256:0f03316d4a27d216ab3a81ebce0118253842556fe52eb868c61d26602a78d965 7.21kB / 7.21kB 0.0s
=> => sha256:3e7ef1bb9ebabdc0589638124e0cb156f7f216e4b0f2b25da8d5c905c72764a8 11.45MB / 11.45MB 38.1s
=> => sha256:36b3adc4ff6fffb76ae233f0a92177205845aaf3e9a39a0f96405dabd1423edc9 280.84kB / 280.84kB 11.8s
=> => sha256:df20fa9351a15782c64e6dddb2d4a6f50bf6d3688060a34c4014b0d9a752eb4c 2.80MB / 2.80MB 25.9s
=> => sha256:78538f72d6a950eb5856dfd421e99746003b748323bc56f7e9a4ce196f4fa515 230B / 230B 20.2s
=> => sha256:07bc731e005539a4a4246352f8271b9d907b42a0116d12b9ec57deb95279e70e 2.12MB / 2.12MB 31.1s
=> => extracting sha256:df20fa9351a15782c64e6dddb2d4a6f50bf6d3688060a34c4014b0d9a752eb4c 35.4s
=> => extracting sha256:36b3adc4ff6fffb76ae233f0a92177205845aaf3e9a39a0f96405dabd1423edc9 5.6s
=> => extracting sha256:3e7ef1bb9ebabdc0589638124e0cb156f7f216e4b0f2b25da8d5c905c72764a8 10.4s
=> => extracting sha256:78538f72d6a950eb5856dfd421e99746003b748323bc56f7e9a4ce196f4fa515 0.2s
=> => extracting sha256:07bc731e005539a4a4246352f8271b9d907b42a0116d12b9ec57deb95279e70e 5.3s
=> [internal] load build context 1.7s
=> => transferring context: 1.03kB 0.3s
=> [2/6] WORKDIR /app 6.9s
=> [3/6] ADD . /app 4.9s
=> [4/6] RUN set -e; apk add --no-cache --virtual .build-deps gcc libc 314.0s
=> [5/6] COPY requirements.txt /app 7.9s
=> [6/6] RUN pip install -r requirements.txt 178.9s
=> => exporting to image 291.3s
=> => exporting layers 288.1s
=> => writing image sha256:ab9e0817fd383e885b6b713db2a953e7b5a47eac4f9f06ca711d4280c7b9b886 0.8s
=> => naming to docker.io/library/app:latest 0.5s

C:\Users\User\Documents\project\New folder\CCR>

```

### Step 3.Run your container locally.

```

C:\Windows\System32\cmd.exe
=> => transferring context: 1.03kB 0.3s
=> [2/6] WORKDIR /app 6.9s
=> [3/6] ADD . /app 4.9s
=> [4/6] RUN set -e; apk add --no-cache --virtual .build-deps gcc libc 314.0s
=> [5/6] COPY requirements.txt /app 7.9s
=> [6/6] RUN pip install -r requirements.txt 178.9s
=> => exporting to image 291.3s
=> => exporting layers 288.1s
=> => writing image sha256:ab9e0817fd383e885b6b713db2a953e7b5a47eac4f9f06ca711d4280c7b9b886 0.8s
=> => naming to docker.io/library/app:latest 0.5s

C:\Users\User\Documents\project\New folder\CCR>docker run -d -p 5000:5000 app
45a85421c862d7a4a6351f6587e305a4d3371f65a325cfa6d8f29761a87315de

C:\Users\User\Documents\project\New folder\CCR>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                    NAMES
45a85421c862   app      "python app.py"         2 minutes ago Up 19 seconds 0.0.0.0:5000->5000/tcp   youthful_nightingale

C:\Users\User\Documents\project\New folder\CCR>

```