

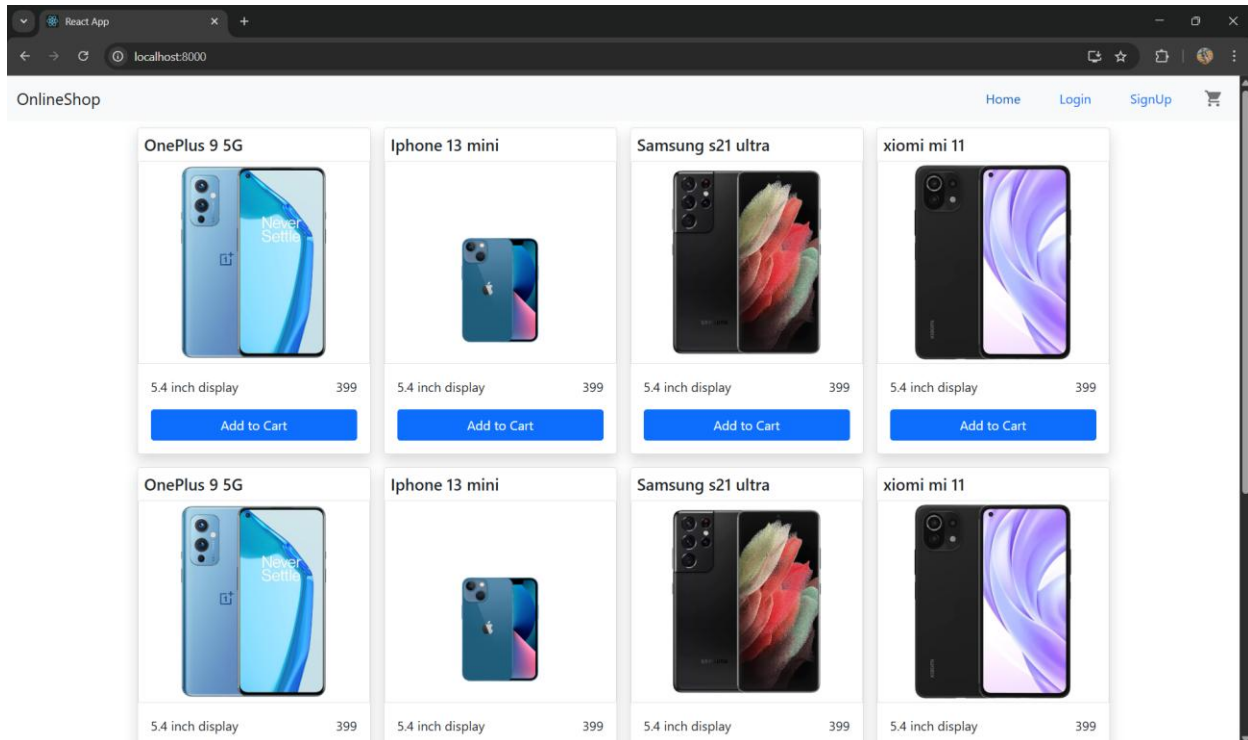
```

dharani@DharaniDharanPC: ~$ git clone https://github.com/kannancloud001/capstone.git
Cloning into 'capstone'...
remote: Enumerating objects: 110, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 110 (delta 8), reused 2 (delta 1), pack-reused 94 (from 3)
Receiving objects: 100% (110/110), 750.33 KiB | 77.00 KiB/s, done.
Resolving deltas: 100% (37/37), done.
dharani@DharaniDharanPC: ~$ cd capstone
dharani@DharaniDharanPC: ~/capstone$ cat Dockerfile
FROM nginx:latest
# Copy the built files from the previous stage
COPY build/ /usr/share/nginx/html
# Expose port 80 (the default HTTP port)
EXPOSE 80
# Start Nginx and keep it running in the foreground
CMD ["nginx", "-g", "daemon off;"]
dharani@DharaniDharanPC: ~/capstone$ ls
Dockerfile  Jenkinsfile  build  build.sh  deploy.sh  docker-compose.yml

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Dockerfile  Jenkinsfile  build  build.sh  capstone  deploy.sh  docker-compose.yml
dharani@DharaniDharanPC: ~/capstone$ docker build -t dharanidharan29/ecommerce .
[+] Building 44.4s (8/8) FINISHED
=> [internal] load build definition from Dockerfile 0.1s
=> == transferring dockerfile: 276B 0.0s
=> [internal] load metadata for docker.io/library/nginx:latest 9.1s
=> == library/nginx:pull token for registry-1.docker.io 0.0s
=> [internal] load .dockerignore 0.0s
=> == transferring context: 2B 0.0s
=> [internal] load build context 0.1s
=> == transferring context: 2.61MB 0.1s
=> [1/2] FROM docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f 34.6s
=> == resolve docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3 0.0s
=> == sha256:54889b2f3a084f38e9e5362b0289779eab75c2f 2.29kB / 2.29kB 0.0s
=> == sha256:5eaa34f5b9c2a13ef2217ceb966953dfd5c3 43.95MB / 43.95MB 20.4s
=> == sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bdeb78 10.27kB / 10.27kB 0.0s
=> == sha256:53a18ed4f8091d5faff1e2b4d885bc5f0f8978 8.58kB / 8.58kB 0.0s
=> == sha256:6e909acdb798c5a1989d9cfc795fda5a246a 28.20MB / 28.20MB 27.0s
=> == sha256:417c4bccf5349be7cd4ba91b1a2077ecf0ab50b3831 627B / 627B 1.6s
=> == sha256:e7e0ca815e553ccff5686ec2153c895313675686d3f 955B / 955B 2.4s
=> == sha256:373fe654e9845b69587105e1b82833209521db456bd 405B / 405B 3.0s
=> == sha256:97f5c0f51d43d499978597ee9f919f9170954289 1.21kB / 1.21kB 4.0s
=> == sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e 1.40kB / 1.40kB 6.3s
=> == extracting sha256:6e909acdb798c5a1989d9cfc795fda5a246ad6664bb2 4.0s
=> == extracting sha256:5eaa34f5b9c2a13ef2217ceb966953dfd5c3a21a9907 2.4s
=> == extracting sha256:417c4bccf5349be7cd4ba91b1a2077ecf0ab50b3831b 0.0s
=> == extracting sha256:e7e0ca815e553ccff5686ec2153c895313675686d3f6 0.0s
=> == extracting sha256:373fe654e9845b69587105e1b82833209521db456bd 0.0s
=> == extracting sha256:97f5c0f51d43d499978597ee9f919f9170954289eff0c 0.0s
=> == extracting sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e8367 0.0s
=> [2/2] COPY build/ /usr/share/nginx/html 0.4s
=> == exporting to image 0.1s
=> == exporting layers 0.1s
=> == writing image sha256:e239a7b1142220587d441cddc8183ea45b39e8f13 0.0s
=> == naming to docker.io/dharanidharan29/ecommerce 0.0s
dharani@DharaniDharanPC: ~/capstone$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED

```

```
dharani@DharaniDharanPC: ~$ docker build -t dharanidharan29/ecommerce .
=> [internal] load build context 0.1s
=> transferring context: 2.61MB 0.1s
=> [1/2] FROM docker.io/nginx:latest@sha256:124b44bfc9ccd1f3 34.6s
=> resolve docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3 0.0s
=> sha256:34889b2f36d0ff38e85362b0239779ed075c2f 2.29MB / 2.29MB 0.0s
=> sha256:5aaa34f5b9c2a13ef2217ceb966953dfd5c3a21a9907 20.4s
=> sha256:124b44bfc9ccd1f3cedf4b592d4d1e8b4db70 10.27MB / 10.27MB 0.0s
=> sha256:53a18edff8091d55aff1e42b4d825bc5f0f8970 8.58MB / 8.58MB 0.0s
=> sha256:6e989acdb798c5a1989d9cfc795fda5a246a 28.20MB / 28.20MB 27.0s
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=> extracting sha256:97f5c0f51d43d499970597ee9f919f9170954289eff0c 0.0s
=> extracting sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e68367 0.0s
[2/2] COPY build/ /usr/share/nginx/html 0.4s
=> exporting to image 0.1s
=> exporting layers 0.1s
=> writing image sha256:e239a7b114220507d441cddc0183ea45b39e8f13 0.0s
=> naming to docker.io/dharanidharan29/ecommerce 0.0s
dharani@DharaniDharanPC: ~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
dharanidharan29/ecommerce latest e239a7b11422 15 seconds ago 195MB
dharanidharan29/dharanidharan29 1 2bbbdd10b686 24 hours ago 149MB
dharanidharan29/dharanidharan29 2 2bbbdd10b686 24 hours ago 149MB
hello-world latest 74cc54e27dc4 8 weeks ago 10.1kB
dharani@DharaniDharanPC: ~$ docker run -d -p 8000:80 dharanidharan29/ecommerce
5ac7a265a38d2ad2e9a92772e85171bda13fa346d869121c0d4049675ca2c4c9
dharani@DharaniDharanPC: ~$ docker ps
5ac7a265a38d dharanidharan29/ecommerce "/docker-entrypoint..." 21 seconds ago Up 20 seconds 0.0.0.0:8000->80/tcp funny_mclaren
dharani@DharaniDharanPC: ~$
```



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dharani@DharaniDharanPC:~/capstone$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
dharanidharan29/ecommec   latest      e239a7b11422  4 hours ago   195MB
dharanidharan29/dharanidharan29  1           2bbbdd10b686  28 hours ago  149MB
dharanidharan29/dharanidharan29  2           2bbbdd10b686  28 hours ago  149MB
hello-world          latest      74cc54e27dc4  8 weeks ago   10.1kB
kicbase/stable        v0.0.46    e72c4cbe9b29  2 months ago  1.31GB
gcr.io/k8s-minikube/kicbase      v0.0.46    e72c4cbe9b29  2 months ago  1.31GB
dharani@DharaniDharanPC:~/capstone$ ls
Dockerfile  Jenkinsfile  build  build.sh  capstone  deploy.sh  deployment.yml  docker-compose.yml
dharani@DharaniDharanPC:~/capstone$ git pull
Already up to date.
dharani@DharaniDharanPC:~/capstone$ kubectl get services
NAME         TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
kubernetes   ClusterIP   10.96.0.1     <none>         443/TCP    21m
dharani@DharaniDharanPC:~/capstone$

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dharani@DharaniDharanPC: ~
Try 'wget --help' for more options.
dharani@DharaniDharanPC:~$ wget https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64 -O minikube
--2025-03-20 08:29:25-- https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
Resolving storage.googleapis.com (storage.googleapis.com)... 142.250.183.251, 142.250.206.91, 142.250.205.251, ...
Connecting to storage.googleapis.com (storage.googleapis.com)[142.250.183.251]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 125267037 (119M) [application/octet-stream]
Saving to: 'minikube'

minikube                               100%[=====] 119.46M  1.32MB/s   in 5m 0s

2025-03-20 08:34:26 (408 KB/s) - 'minikube' saved [125267037/125267037]

dharani@DharaniDharanPC:~$ minikube status
E0320 08:36:49.082393 6403 status.go:458] kubeconfig endpoint: get endpoint: "minikube" does not appear in /home/dharani/.kube/config
minikube
type: Control Plane
host: Running
kublet: Stopped
apiserver: Stopped
kubeconfig: Misconfigured

WARNING: Your kubectl is pointing to stale minikube-vms.
To fix the kubectl context, run 'minikube update-context'
dharani@DharaniDharanPC:~$ chmod 755 minikube
dharani@DharaniDharanPC:~$ sudo mv minikube /usr/local/bin/
[sudo] password for dharani:
dharani@DharaniDharanPC:~$ minikube version
minikube version: v1.35.0
commit: dd5d320e41b5451cd3c01891bc4e13d189586ed-dirty
dharani@DharaniDharanPC:~$ ls
> ^C
dharani@DharaniDharanPC:~$ ls
capstone  minikube-linux-amd64  snap
dharani@DharaniDharanPC:~$ cd capstone/
dharani@DharaniDharanPC:~/capstone$ ls
Dockerfile  Jenkinsfile  build  build.sh  capstone  deploy.sh  deployment.yml  docker-compose.yml
dharani@DharaniDharanPC:~/capstone$ kubectl get pods
E0320 08:40:32.624943 6503 memcache.go:265] "Unhandled Error" err=<
    couldn't get current server API group list: <html><head><meta http-equiv='refresh' content='1;url=/login?from=%2Fapi%3Ftimeout%3D32s'><script id='r
edirect' data-redirect-url='/login?from=%2Fapi%3Ftimeout%3D32s' src='/static/41935eef/scripts/redirect.js'></script></head><body style='background-color:whi
te; color:white;'>
    Authentication required
  <!--
  -->

```

```
dharani@DharaniDharanPC: ~/capstone$ minikube start
minikube v1.35.0 on Ubuntu 24.04 (amd64)
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Updating the running docker "minikube" container ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Unable to load cached images: LoadCachedImages: stat /home/dharani/.minikube/cache/images/amd64/gcr.io/k8s-minikube/storage-provisioner_v5: no such file or directory
Generating certificates and keys ...
Booting up control plane ...
Configuring RBAC rules ...
Configuring bridge CNI (Container Networking Interface) ...
Verifying Kubernetes components...
Using image gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: storage-provisioner, default-storageclass
Done! kubectrl is now configured to use "minikube" cluster and "default" namespace by default
dharani@DharaniDharanPC:~/capstone$ ls
Dockerfile Jenkinsfile build build.sh capstone deploy.sh deployment.yml docker-compose.yml
dharani@DharaniDharanPC:~/capstone$ docker push dharanidharan29/ecommerce
Using default tag: latest
The push refers to repository [docker.io/dharanidharan29/ecommerce]
2d2d68c326c0: Pushed
03d9365bc5dc: Mounted from library/nginx
d26dc06ef910: Mounted from library/nginx
aa82c57cd9fe: Mounted from library/nginx
d98dc720ae0: Mounted from library/nginx
ad2f08e39a9d: Mounted from library/nginx
135f786ad046: Mounted from library/nginx
1287fbecdfcc: Mounted from library/nginx
latest: digest: sha256:c7db51ae7fa2a0ed9f972309966c55529ac57508b92db1003599716a0ab155fd size: 1988
dharani@DharaniDharanPC:~/capstone$ docker login -u dharanidharan29
Password:
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
dharani@DharaniDharanPC:~/capstone$ docker login -u dharanidharan29
Password:
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
dharani@DharaniDharanPC:~/capstone$ docker login -u dharanidharan29
Password:
Login Succeeded
dharani@DharaniDharanPC:~/capstone$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
a9f55f1d00bc	gcr.io/k8s-minikube/kicbase:v0.0.46	"/usr/local/bin/entr..."	39 minutes ago	Up 39 minutes	127.0.0.1:19659->22/tcp, 127.0.0.1:19660->2376/tcp, 127.0.0.1:19657->5000/tcp, 127.0.0.1:19658->8443/tcp, 127.0.0.1:19661->32443/tcp
5ac7a265a38d	dharanidharan29/ecommerce	"/docker-entrypoint..."	4 hours ago	Up 4 hours	0.0.0.0:8000->80/tcp

```
funny_mclaren
```