

VS Code Icons

File Edit Selection View Go Run Terminal Help

.dockerignore - Project - Visual Studio Code

Icons

EXPLORER

PROJECT

kuber

msds

node_modules

public

src

.dockerignore U

.gitignore

Dockerfile U

package-lock.json M

package.json M

README.md

JS App.js M

Dockerfile U

! deployment.yaml 1

! service.yaml

.dockerignore U X

JS Registration.js U

msds > .dockerignore

1 node_modules

2 .gitignore

3 README.md

PROBLEMS 1

OUTPUT

DEBUG CONSOLE

TERMINAL

minikube + - [Icons]

> OUTLINE

> TIMELINE

master*

0 1

minikube

default

Ln 3, Col 11

Spaces: 4

UTF-8

CRLF

Plain Text

Go Live

Icons

Windows Taskbar

Search

Icons

16:00 11-05-2023

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msds > .dockerignore

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PROBLEMS 1

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DEBUG CONSOLE

TERMINAL

minikube + - []

PS D:\Project> cd msds

PS D:\Project\msds> docker login

Authenticating with existing credentials...

Login Succeeded

Logging in with your password grants your terminal complete access to your account.

For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

PS D:\Project\msds> docker tag virat dev23199/ind

PS D:\Project\msds> docker push dev23199/ind

Directory: D:\Project

Mode	LastWriteTime	Length	Name
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d-----	11-05-2023	15:52	kuber

master* 0 1 minikube default

Ln 3, Col 11 Spaces: 4 UTF-8 CRLF Plain Text Go Live

16:01 11-05-2023

Visual Studio Code interface showing a project setup for Kubernetes on Windows.

Explorer: PROJECT > kuber > msds

Files: App.js, Dockerfile, deployment.yaml, service.yaml, .dockerignore, Registration.js

Terminal Output:

```
PS D:\Project\kuber> minikube start
😄 minikube v1.30.1 on Microsoft Windows 11 Home Single Language 10.0.22621.1555 Build 22621.1555
🌟 Using the docker driver based on existing profile
👍 Starting control plane node minikube in cluster minikube
🔄 Pulling base image ...
🔄 Restarting existing docker container for "minikube" ...
🔄 Preparing Kubernetes v1.26.3 on Docker 23.0.2 ...
🔗 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! kubectl is now configured to use "minikube" cluster and "default" namespace by default
PS D:\Project\kuber> kubectl
kubectl controls the Kubernetes cluster manager.

Find more information at: https://kubernetes.io/docs/reference/kubectl/

Basic Commands (Beginner):
```

Status Bar: master* 0 1 minikube default Ln 3, Col 11 Spaces: 4 UTF-8 CRLF Plain Text Go Live

Taskbar: Windows 11 taskbar with search, task view, and various application icons. System tray shows date and time: 16:01 11-05-2023.

VS

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PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

minikube + - [] [X] ... ^ X

PS D:\Project\kuber> kubectl apply -f deployment.yaml

deployment.apps/vs created

PS D:\Project\kuber> kubectl apply -f service.yaml

service/vs created

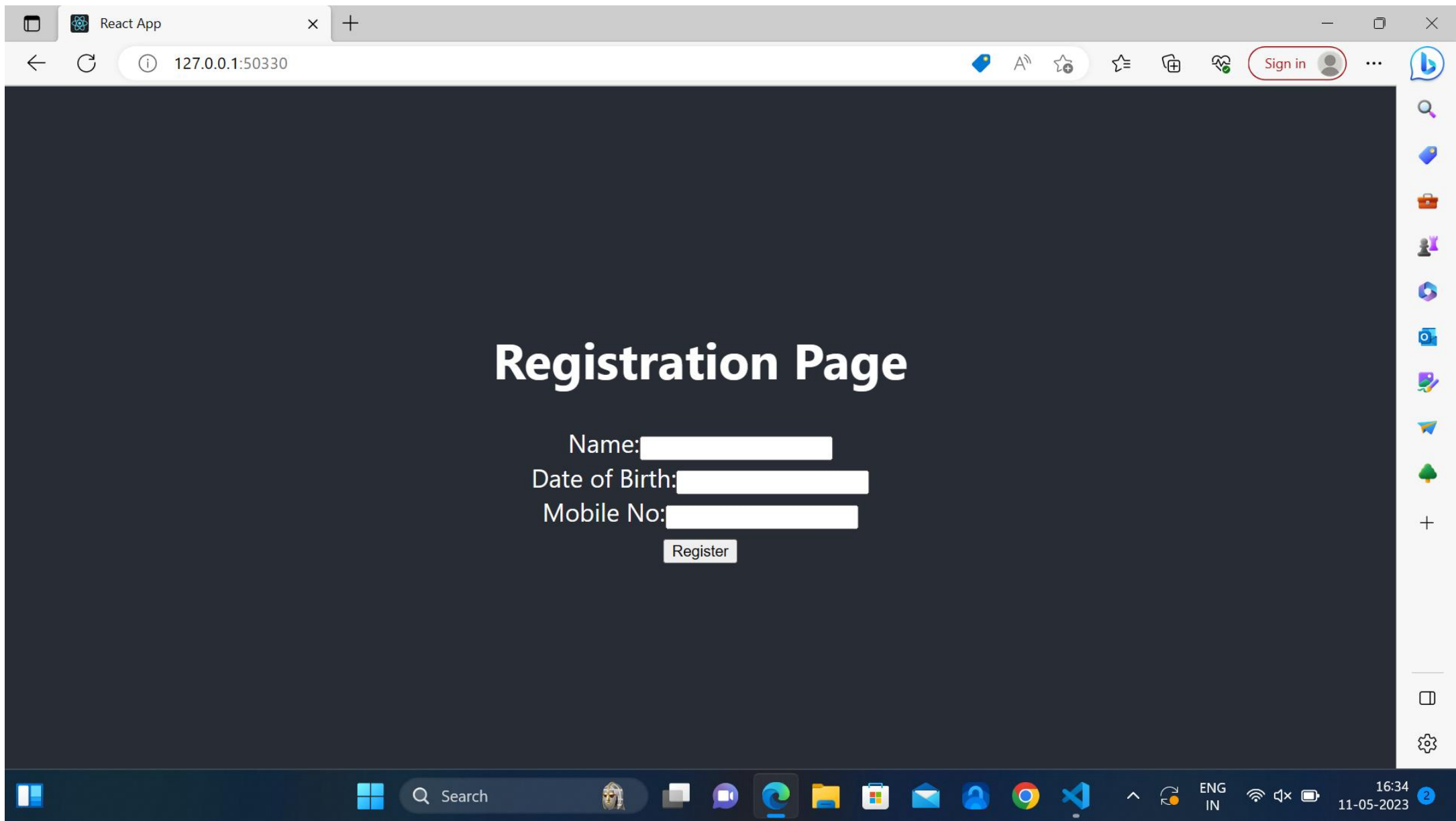
PS D:\Project\kuber> kubectl get pods

! Because you are using a Docker driver on windows, the terminal needs to be open to run it.

master* 0 1 minikube default

Ln 3, Col 11 Spaces: 4 UTF-8 CRLF Plain Text Go Live

16:01 11-05-2023



VS

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

minikube + - [] [X] ^ X

PS D:\Project\kuber> kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
dev-deployment-5f9b886cc9-8xmrq	0/1	OOMKilled	38 (94s ago)	5h42m
newpro1-59965d4f85-p2mz9	1/1	Running	3 (3m18s ago)	142m
react	1/1	Running	93 (64s ago)	3d3h
react-application-5bd7fd4d9f-b8v98	1/1	Running	5 (3m18s ago)	4h5m
vs-7cd49b77b8-sw84s	1/1	Running	1 (3m18s ago)	35m

PS D:\Project\kuber> kubectl get service

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
dev-service	NodePort	10.105.57.182	<none>	3000:30902/TCP	5h42m
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	7d
newpro1	NodePort	10.105.138.179	<none>	80:32697/TCP	142m
react-application	NodePort	10.109.206.8	<none>	80:32301/TCP	4h5m
vs	NodePort	10.100.45.9	<none>	80:32069/TCP	35m

PS D:\Project\kuber> minikube ip

192.168.49.2

PS D:\Project\kuber> minikube service vs --url=true

http://127.0.0.1:50330

! Because you are using a Docker driver on windows, the terminal needs to be open to run it.

master* 0 0

Ln 3, Col 11 Spaces: 4 UTF-8 CRLF Plain Text Go Live

Windows Taskbar

16:34 11-05-2023