DEVOPS – FINAL PROJECT

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SECTION B DEVOPS

20I-0647

PHASE 1 (30)

- Created Docker files for each of the services
- Dockerised the micro services
- Build the images
- Push the images
- Create Docker-compose file
- Run command docker-compose up that starts all the services defined in the **docker-compose.yml** file.


```
C:\Users\iamsy\Desktop\doctor-appointment-system>docker build -t shayaan1/ap
pointments ./appointments
[+] Building 0.0s (0/0)                                      docker:default
2023/12/14 15:16:37 http2: server: error reading preface from client //./pip
[+] Building 99.0s (5/9)                        [+] Building 101.9s (5/9)
    [+] Building 102.9s (5/9)
                                                              docker:
default
 => [internal] load build definition from Dockerfile
                                                                        0
.1s
 => => transferring dockerfile: 393B
                                                                        0
.0s
 => [internal] load .dockerignore
                                                                        0
.1s
 => => transferring context: 2B
                                                                        0
.0s
 => [internal] load metadata for docker.io/library/python:3.9
                                                                        3
.2s
 => [auth] library/python:pull token for registry-1.docker.io
                                                                        0
.0s
 => [1/4] FROM docker.io/library/python:3.9@sha256:b2e47a7eca3178e4ce6c095d3
a2d1cd05bfa616efe7f2047c95fffe159e00166                                99
.5s
```

```
What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview
C:\Users\iamsy\Desktop\doctor-appointment-system>docker build -t shayaan1/doctors ./doctors
[+] Building 29.7s (10/10) FINISHED
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 393B
 => [internal] load metadata for docker.io/library/python:3.9
 => [auth] library/python:pull token for registry-1.docker.io
 => [1/4] FROM docker.io/library/python:3.9@sha256:b2e47a7eca3178e4ce6c095d3a2d1cd05bfa616efe7f2047c95fffe159e00166
 => [internal] load build context
 => => transferring context: 649B
 => CACHED [2/4] WORKDIR /app
 => [3/4] COPY app.py .
 => [4/4] RUN pip install flask
 => exporting to image
 => => exporting layers
 => => writing image sha256:2ae5e2583addbcaa5dd1a4220195d4a42e424ba2068dba7c0c0942e924b87853
 => => naming to docker.io/shayaan1/doctors

What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview

C:\Users\iamsy\Desktop\doctor-appointment-system>
C:\Users\iamsy\Desktop\doctor-appointment-system>docker build -t shayaan1/frontend ./frontend
[+] Building 31.5s (8/10)
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 410B
 => [internal] load metadata for docker.io/library/node:14
 => [auth] library/node:pull token for registry-1.docker.io
 => CACHED [1/5] FROM docker.io/library/node:14@sha256:a158d3b9b4e3fa813fa6c8c590b8f0a860e015ad4e59bbce5744d2f6fd8461aa
 => [internal] load build context
Building 43.5s (11/11) FINISHED                      docker:default
 => [internal] load .dockerignore                              1.3s
 => => transferring context: 2B                                0.0s2 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 410B                           0.1s
```

```
C:\Users\iamsy\Desktop\doctor-appointment-system>docker push shayaan1/appointments
Using default tag: latest
The push refers to repository [docker.io/shayaan1/appointments]
7d70cbf061ad: Pushed
e81f753930d9: Pushed
d4294e5c95d0: Pushed
d5ad3ac69862: Mounted from library/python
4929be171cab: Mounted from library/python
f021e1878a27: Mounted from library/python
a04a14a911a5: Mounted from library/python
80bd043d4663: Mounted from library/python
30f5cd833236: Mounted from library/python
7c32e0608151: Mounted from library/python
7cea17427f83: Mounted from library/python
latest: digest: sha256:d1e90cc8252d8bff072b507cd9b8b6313c23db7e94d10cbb0a038fe24d0f0b33 size: 2631

C:\Users\iamsy\Desktop\doctor-appointment-system>docker push shayaan1/doctors
Using default tag: latest
The push refers to repository [docker.io/shayaan1/doctors]
4ca2ad143545: Pushed
7aede2fdcb00: Pushed
d4294e5c95d0: Mounted from shayaan1/appointments
d5ad3ac69862: Mounted from shayaan1/appointments
4929be171cab: Mounted from shayaan1/appointments
f021e1878a27: Mounted from shayaan1/appointments
a04a14a911a5: Mounted from shayaan1/appointments
80bd043d4663: Mounted from shayaan1/appointments
30f5cd833236: Mounted from shayaan1/appointments
7c32e0608151: Mounted from shayaan1/appointments
7cea17427f83: Mounted from shayaan1/appointments
latest: digest: sha256:7dc5e71754560c3101b33c6f9cda5790080b30473c2e0f056ef9aba2927ca085 size: 2631

C:\Users\iamsy\Desktop\doctor-appointment-system>docker push shayaan1/frontend
Using default tag: latest
The push refers to repository [docker.io/shayaan1/frontend]
a576a9d97d44: Pushed
15d314e6eccf: Pushed
58bad2e7c538: Pushed
e22882083c49: Pushed
```
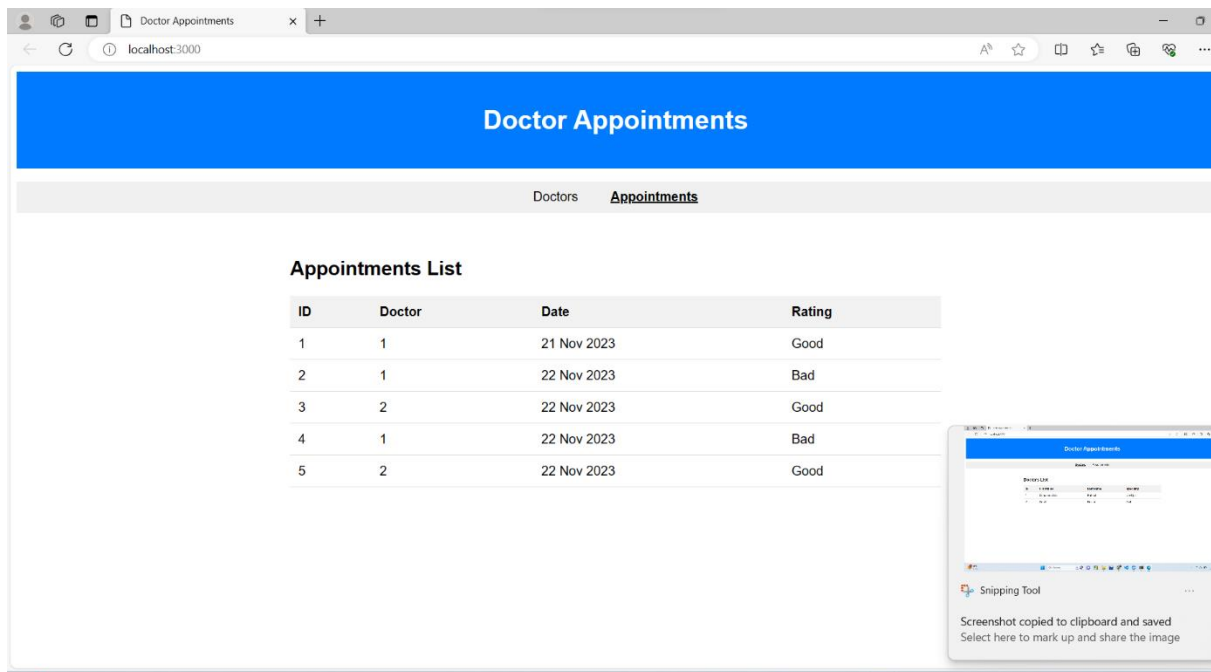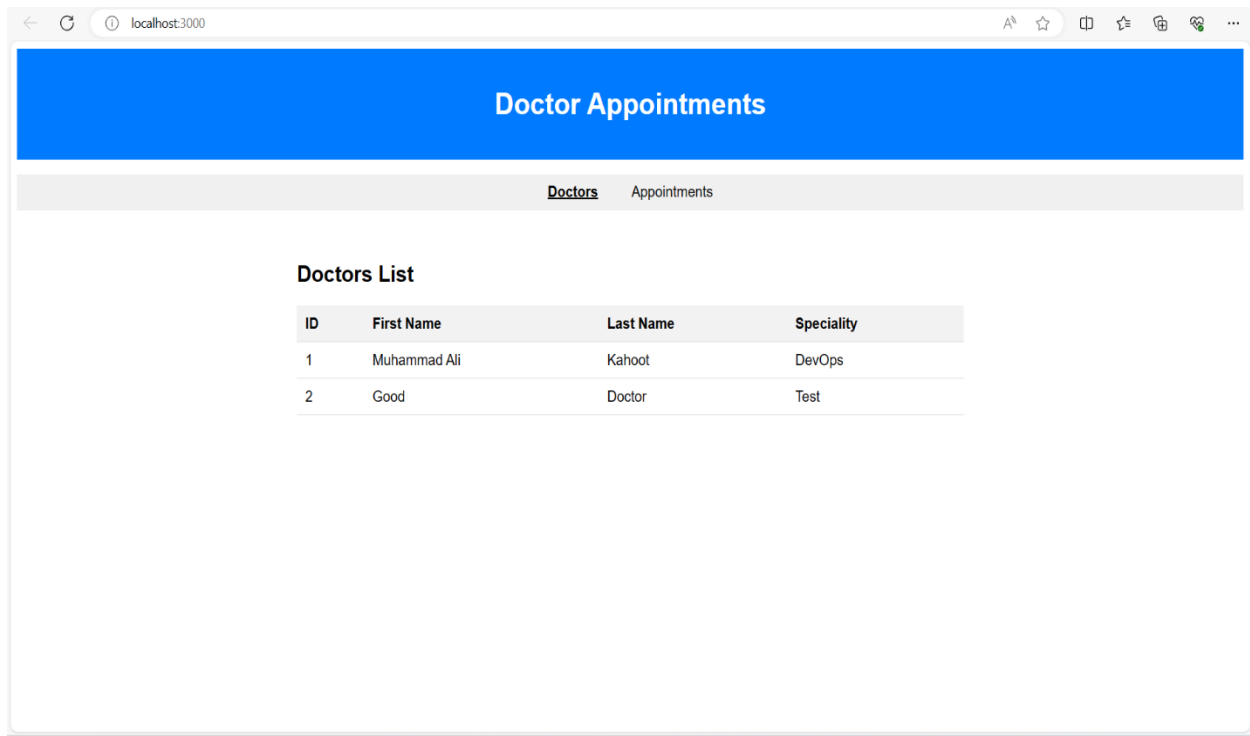
```
=> => transferring context: 2B                                          0.0s
=> [frontend internal] load build definition from Dockerfile            0.2s
=> => transferring dockerfile: 410B                                     0.0s
=> [frontend internal] load metadata for docker.io/library/node:14      1.4s
=> [frontend auth] library/node:pull token for registry-1.docker.io     0.0s
=> [frontend 1/5] FROM docker.io/library/node:14@sha256:a158d3b9b4e3    0.0s
=> [frontend internal] load build context                               0.0s
=> => transferring context: 224B                                        0.0s
=> CACHED [frontend 2/5] WORKDIR /usr/src/app                           0.0s
=> CACHED [frontend 3/5] COPY package*.json ./                          0.0s
=> CACHED [frontend 4/5] RUN npm install                                0.0s
=> CACHED [frontend 5/5] COPY . .                                       0.0s
=> [frontend] exporting to image                                        0.0s
=> => exporting layers                                                  0.0s
=> => writing image sha256:317acb71be864478a13229ae2cf0119debe6072c7    0.0s
=> => naming to docker.io/library/doctor-appointment-system-frontend    0.0s
[+] Running 4/4
 ✓ Network doctor-appointment-system_default          Created          0.4s
 ✓ Container doctor-appointment-system-doctors-1       Created          0.5s
 ✓ Container doctor-appointment-system-appointments-1  Created          0.6s
 ✓ Container doctor-appointment-system-frontend-1      Created          0.5s
Attaching to doctor-appointment-system-appointments-1, doctor-appointment-system-doctors-1, doctor-appointment-system-frontend-1
doctor-appointment-system-doctors-1       |  * Serving Flask app 'app'
doctor-appointment-system-doctors-1       |  * Debug mode: off
doctor-appointment-system-doctors-1       |  WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
doctor-appointment-system-doctors-1       |  * Running on all addresses (0.0.0.0)
doctor-appointment-system-doctors-1       |  * Running on http://127.0.0.1:9090
doctor-appointment-system-doctors-1       |  * Running on http://172.18.0.2:9090
doctor-appointment-system-doctors-1       |  Press CTRL+C to quit
doctor-appointment-system-appointments-1  |  * Serving Flask app 'app'
doctor-appointment-system-appointments-1  |  * Debug mode: off
doctor-appointment-system-appointments-1  |  WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
doctor-appointment-system-appointments-1  |  * Running on all addresses (0.0.0.0)
doctor-appointment-system-appointments-1  |  * Running on http://127.0.0.1:7070
doctor-appointment-system-appointments-1  |  * Running on http://172.18.0.3:7070
doctor-appointment-system-appointments-1  |  Press CTRL+C to quit
doctor-appointment-system-frontend-1      |  Running on http://0.0.0.0:3000
```

Doctor Appointments

Doctors List

ID	First Name	Last Name	Speciality
1	Muhammad Ali	Kahoot	DevOps
2	Good	Doctor	Test

Doctor Appointments

Appointments List

ID	Doctor	Date	Rating
1	1	21 Nov 2023	Good
2	1	22 Nov 2023	Bad
3	2	22 Nov 2023	Good
4	1	22 Nov 2023	Bad
5	2	22 Nov 2023	Good

Snipping Tool

Screenshot copied to clipboard and saved
Select here to mark up and share the image

PHASE 2 (30):

Add CI/CD to the repo, can use Jenkins or Github Actions, which will

- Pipeline should run on **Pull Request** & **on main branch**
- **For versioning, you can use the commit hash or semantic versioning or any other way (but dont use latest tag)**
- Build & push docker images with respective version of the microservices to dockerhub
- Use path based filtering so that if there is a change in the **appointments** folder, only the pipeline will build appointments microservice.
- **Which means there should be separate pipelines for all microservices and if a change is in one microservice, only that pipeline should be triggered**
- Update docker-compose file to update the image tag to the one that is built in this pipeline and push back to repo

---

✅ **Change for all made**
Frontend Service #14: Commit bc36c04 pushed by syedshayaan1
`main`
📅 3 minutes ago
⏱ 2m 40s
...

✅ **Change for all made**
Appointments Service #45: Commit bc36c04 pushed by syedshayaan1
`main`
📅 3 minutes ago
⏱ 51s
...

✅ **Change for all made**
Doctors Service #27: Commit bc36c04 pushed by syedshayaan1
`main`
📅 3 minutes ago
⏱ 43s
...

---

build-and-push
succeeded now in 45s

🔍 Search logs ⚙

✅ Set up job		2s
✅ Run actions/checkout@v2		0s
✅ Run docker/setup-buildx-action@v1		3s
✅ Run docker/login-action@v1		1s
✅ Run docker/build-push-action@v2		30s
✅ Push and Update Docker Compose		1s
✅ Post Run docker/build-push-action@v2		0s
✅ Post Run docker/login-action@v1		0s
✅ Post Run docker/setup-buildx-action@v1		1s
✅ Post Run actions/checkout@v2		0s
✅ Complete job		1s

Docker hub repos:

https://hub.docker.com/repository/docker/shayaan1/frontend-bc36c04d5ee86248e42c8377feab1976a0e6458c

https://hub.docker.com/repository/docker/shayaan1/appointments-bc36c04d5ee86248e42c8377feab1976a0e6458c

https://hub.docker.com/repository/docker/shayaan1/doctors-bc36c04d5ee86248e42c8377feab1976a0e6458c/general

GITHUB REPO: https://github.com/syedshayaan1/finalprojectdevops.git

ADDED KAHOOTALI AS COLLABORATOR

PHASE 3 (30)

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get pods
NAME                          READY   STATUS    RESTARTS   AGE
appointments-864f8677fd-s58gt  1/1    Running   0          10m
appointments-864f8677fd-wbjhr  1/1    Running   0          10m
doctors-c78db448f-289bd        1/1    Running   0          10m
doctors-c78db448f-wdzhh        1/1    Running   0          10m
frontend-6b6766cfc7-5c8bz      1/1    Running   0          10m
frontend-6b6766cfc7-9r2wp      1/1    Running   0          10m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get deploments
error: the server doesn't have a resource type "deploments"
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get deployments
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
appointments  2/2     2            2           11m
doctors       2/2     2            2           11m
frontend      2/2     2            2           10m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get services
NAME          TYPE        CLUSTER-IP       EXTERNAL-IP   PORT(S)    AGE
appointments  ClusterIP   10.109.172.228   <none>        7070/TCP   11m
doctors       ClusterIP   10.107.74.224    <none>        9090/TCP   11m
frontend      ClusterIP   10.99.240.6      <none>        3000/TCP   10m
kubernetes    ClusterIP   10.96.0.1        <none>        443/TCP    13m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
```

Screenshot 1

kubernetes | default | Search | + | 🔔

≡ **Workloads**

Workloads N
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service
- Ingresses N
- Ingress Classes
- Services N

Config and Storage
- Config Maps N
- Persistent Volume Claims N
- Secrets N
- Storage Classes

Cluster
- Cluster Role Bindings
- Cluster Roles
- Events N
- Namespaces

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑	
● frontend-6b6766cfc7-5c8bz	shayaan1/frontend-f1e56b89014a47d567d32b06747542efd6785909	app: frontend / pod-template-hash: 6b6766cfc7	minikube	Running	0	-	-	4 minutes ago	⋮
● frontend-6b6766cfc7-9r2wp	shayaan1/frontend-f1e56b89014a47d567d32b06747542efd6785909	app: frontend / pod-template-hash: 6b6766cfc7	minikube	Running	0	-	-	5 minutes ago	⋮
● doctors-c78db448f-2890d	shayaan1/doctors-f1e56b89014a47d567d32b06747542efd6785909	app: doctors / pod-template-hash: c78db448f	minikube	Running	0	-	-	5 minutes ago	⋮
● doctors-c78db448f-wdzhh	shayaan1/doctors-f1e56b89014a47d567d32b06747542efd6785909	app: doctors / pod-template-hash: c78db448f	minikube	Running	0	-	-	5 minutes ago	⋮
● appointments-864f8677fd-s58gt	shayaan1/appointments-e9ca86731a5d5a1a382aa769369ec21c89a49cea	app: appointments / pod-template-hash: 864f8677fd	minikube	Running	0	-	-	5 minutes ago	⋮
● appointments-864f8677fd-wbjhr	shayaan1/appointments-e9ca86731a5d5a1a382aa769369ec21c89a49cea	app: appointments / pod-template-hash: 864f8677fd	minikube	Running	0	-	-	5 minutes ago	⋮

Replica Sets

Name	Images	Labels	Pods	Created ↑	
● frontend-6b6766cfc7	shayaan1/frontend-f1e56b89014a47d567d32b06747542efd6785909	app: frontend / pod-template-hash: 6b6766cfc7	2 / 2	5 minutes ago	⋮
● doctors-c78db448f	shayaan1/doctors-f1e56b89014a47d567d32b067475 42efd6785909	app: doctors / pod-template-hash: c78db448f	2 / 2	5 minutes ago	⋮
● appointments-864f8677fd	shayaan1/appointments-e9ca86731a5d5a1a382aa76 9369ec21c89a49cea	app: appointments / pod-template-hash: 864f8677fd	2 / 2	5 minutes ago	⋮

Screenshot 2

kubernetes | default | Search | + | 🔔

≡ **Workloads**

Workloads N
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service
- Ingresses N
- Ingress Classes
- Services N

Config and Storage
- Config Maps N
- Persistent Volume Claims N
- Secrets N
- Storage Classes

Cluster
- Cluster Role Bindings
- Cluster Roles
- Events N
- Namespaces

Running: 3 — Deployments | Running: 6 — Pods | Running: 3 — Replica Sets

Deployments

Name	Images	Labels	Pods	Created ↑	
● frontend	shayaan1/frontend-f1e56b89014a47d567d32b067475 42efd6785909	-	2 / 2	6 minutes ago	⋮
● doctors	shayaan1/doctors-f1e56b89014a47d567d32b0674754 2efd6785909	-	2 / 2	6 minutes ago	⋮
● appointments	shayaan1/appointments-e9ca86731a5d5a1a382aa769 369ec21c89a49cea	-	2 / 2	7 minutes ago	⋮

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑	
● frontend-6b6766cfc7-5c8bz	shayaan1/frontend-f1e56b89014a47d567d32b06747542efd6785909	app: frontend / pod-template-hash: 6b6766cfc7	minikube	Running	0	-	-	5 minutes ago	⋮
● frontend-6b6766cfc7-9r2wp	shayaan1/frontend-f1e56b89014a47d567d32b06747542efd6785909	app: frontend / pod-template-hash: 6b6766cfc7	minikube	Running	0	-	-	5 minutes ago	⋮
● doctors-c78db448f-2890d	shayaan1/doctors-f1e56b89014a47d567d32b06747542efd6785909	app: doctors / pod-template-hash: c78db448f	minikube	Running	0	-	-	6 minutes ago	⋮
● doctors-c78db448f-wdzhh	shayaan1/doctors-f1e56b89014a47d567d32b06747542efd6785909	app: doctors / pod-template-hash: c78db448f	minikube	Running	0	-	-	6 minutes ago	⋮

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> cd appointments/k8s
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s> kubectl apply -f app.ya
ml
secret/appointments unchanged
deployment.apps/appointments created
service/appointments created
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s> kubectl apply -f app.ya
ml
secret/appointments unchanged
deployment.apps/appointments created
service/appointments created
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s> kubectl apply -f app.ya
ml
secret/appointments unchanged
deployment.apps/appointments created
service/appointments created
PS^ \Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s>
```

```
PScd ..sers\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments\k8s>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\appointments> cd ..
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> cd doctors/k8s
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\doctors\k8s> kubectl app
ly -f app.yaml
configmap/doctors created
deployment.apps/doctors created
service/doctors created
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\doctors\k8s> kubectl app
ly -f app.yaml
configmap/doctors unchanged
deployment.apps/doctors created
service/doctors created
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops\doctors\k8s>
```

PHASE 4 (20)

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get pods
NAME                             READY   STATUS    RESTARTS   AGE
appointments-864f8677fd-s58gt    1/1     Running   0          10m
appointments-864f8677fd-wbjhr    1/1     Running   0          10m
doctors-c78db448f-289bd          1/1     Running   0          10m
doctors-c78db448f-wdzhh          1/1     Running   0          10m
frontend-6b6766cfc7-5c8bz        1/1     Running   0          10m
frontend-6b6766cfc7-9r2wp        1/1     Running   0          10m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get deploments
error: the server doesn't have a resource type "deploments"
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get deployments
NAME           READY   UP-TO-DATE   AVAILABLE   AGE
appointments   2/2     2            2           11m
doctors        2/2     2            2           11m
frontend       2/2     2            2           10m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl get services
NAME           TYPE        CLUSTER-IP       EXTERNAL-IP   PORT(S)    AGE
appointments   ClusterIP   10.109.172.228   <none>        7070/TCP   11m
doctors        ClusterIP   10.107.74.224    <none>        9090/TCP   11m
frontend       ClusterIP   10.99.240.6      <none>        3000/TCP   10m
kubernetes     ClusterIP   10.96.0.1        <none>        443/TCP    13m
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
```

BONUS 1 AND 2

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl logs doctors-c78db448f-289bd
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:9090
 * Running on http://10.244.0.28:9090
Press CTRL+C to quit
10.244.0.1 - - [15/Dec/2023 23:19:02] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:02] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:12] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:12] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:22] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:22] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:32] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:32] "GET /healthz HTTP/1.1" 200 -
```

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl logs -c initfrontend frontend-6b6766cfc7-5c8bz
syed shayaan hasnain
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl exec -it doctors-c78db448f-289bd -- cat /user/details.txt
Hi, this is Shayaan. Im currently pushing Bachelors in Computer Science from Fast Islamabad. I am passionate about cricket and fitness.
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
```

```
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops>
PS C:\Users\DELL 5490\OneDrive\Desktop\finalprojectdevops> kubectl logs appointments-864f8677fd-s58gt
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:7070
 * Running on http://10.244.0.27:7070
Press CTRL+C to quit
10.244.0.1 - - [15/Dec/2023 23:18:27] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:27] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:38] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:38] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:47] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:47] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:58] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:18:58] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:07] "GET /healthz HTTP/1.1" 200 -
10.244.0.1 - - [15/Dec/2023 23:19:07] "GET /healthz HTTP/1.1" 200 -
```