DEVOPS

ASSIGNMENT 3

STEPS:

Step 1: Clone the Repository

Step 2: Build the Docker Image

docker build -t e-commerce-app.

Step 3: Start Minikube minikube

start -- force minikube status

Step 4: Load the Docker Image into Minikube minikube

image load e-commerce-app Verify the image is loaded:

minikube image list # Ensure "e-commerce-app" is listed

Step 5: Deploy the Application kubectl apply -f

deployment.yml kubectl get deployments kubectl get

pods

If you need a NodePort service, apply it: kubectl

apply -f Nodeport.yaml

Step 6: Fix Image Pull Issues (if necessary)

If Kubernetes tries to pull the image from a registry instead of using the local image, patch the deployment kubectl patch deployment react-ecommercedeployment --type='json' p='[{"op": "replace", "path":

"/spec/template/spec/containers/0/imagePullPolicy", "value": "Never"}]'

Step 7: Expose the Service & Access the App minikube ip minikube

service react-ecommerce-service

Step 8: Push to Git: git init # If not already initialized git add

Dockerfile deployment.yml Nodeport.yaml git commit -m

"Kubernetes deployment for React e-commerce app" git remote
add origin git branch -M main git push -u origin main.

OUTPUT:

```
prophysin@hapha-/Assigi/E-Commercs minikube status st
```



