

NODES -

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
D:\Infracloud\Project\boutique-assignment [master ≡]> kubectl cluster-info --context kind-qa-cluster
Kubernetes control plane is running at https://127.0.0.1:54926
KubeDNS is running at https://127.0.0.1:54926/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy
```

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

```
D:\Infracloud\Project\boutique-assignment [master ≡]> kubectl get nodes
NAME                                STATUS    ROLES                    AGE      VERSION
qa-cluster-control-plane            Ready    control-plane,master    3m49s    v1.20.7
qa-cluster-worker                   Ready    <none>                  3m23s    v1.20.7
D:\Infracloud\Project\boutique-assignment [master ≡]> █
```

PODS -

```
D:\Infracloud\Project\boutique-assignment [master ≡]>
D:\Infracloud\Project\boutique-assignment [master ≡]> kubectl get pods
NAME                                READY    STATUS                    RESTARTS   AGE
adservice-78d848d44d-9lkj6          0/1     ImagePullBackOff         0           10m
cartservice-c8c9d58cf-5n5ng         0/1     Running                  6           10m
checkoutservice-79dc4c7fb6-t79s8    1/1     Running                  0           10m
currencyservice-d6c6fbcdb-fxhgm      1/1     Running                  1           10m
emailservice-549fc6dc86-55cpn        1/1     Running                  0           10m
frontend-6b4d599649-pkhkh           1/1     Running                  1           10m
paymentservice-7b64f64758-qltsk      1/1     Running                  0           10m
productcatalogservice-d6b8696f8-6v4ht 1/1     Running                  0           10m
redis-cart-85c9fb8bd4-sm99g          0/1     Pending                  0           10m
shippingservice-5d9f5fc746-9c2qb      1/1     Running                  0           10m
D:\Infracloud\Project\boutique-assignment [master ≡]> █
```

```
D:\Infracloud\Project\boutique-assignment [master ≡]> kubectl logs adservice-78d848d44d-9lkj6
Error from server (BadRequest): container "server" in pod "adservice-78d848d44d-9lkj6" is waiting to start:
l image
D:\Infracloud\Project\boutique-assignment [master ≡]> []
```

```
Events:
Type      Reason      Age          From          Message
-----
Normal    Scheduled   35m         default-scheduler Successfully assigned default/adservice-78d848d44d-9lkj6 to qa-cluster-worker
Normal    Pulling     28m (x4 over 34m) kubelet        Pulling image "gcr.io/google-samples/microservices-demo/adservice:v0.3.1"
Warning   Failed      28m (x4 over 34m) kubelet        Failed to pull image "gcr.io/google-samples/microservices-demo/adservice:v0.3.1": rpc error: code
pack image "gcr.io/google-samples/microservices-demo/adservice:v0.3.1": failed to resolve reference "gcr.io/google-samples/microservices-demo/adservice:v0.3.1":
/adservice:v0.3.1: not found
Warning   Failed      28m (x4 over 34m) kubelet        Error: ErrImagePull
Normal    BackOff     9m52s (x79 over 34m) kubelet        Back-off pulling image "gcr.io/google-samples/microservices-demo/adservice:v0.3.1"
Warning   Failed      4m52s (x101 over 34m) kubelet        Error: ImagePullBackOff
D:\Infracloud\Project\boutique-assignment [master ≡]> []
```

Resolved -

```
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~1 -0 !]> kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
adservice-f96c966c9-bkn79          1/1     Running   2           5m20s
cartservice-c8c9d58cf-p6wts        0/1     Running   3           5m20s
checkoutservice-79dc4c7fb6-z4pb2   1/1     Running   0           5m19s
currencyservice-d6c6fbcbbd-stzmt    1/1     Running   1           5m19s
emailservice-549fc6dc86-tqxzr       1/1     Running   0           5m18s
frontend-6b4d599649-brvkj          1/1     Running   0           5m14s
paymentservice-7b64f64758-m9vqn     1/1     Running   0           5m13s
productcatalogservice-d6b8696f8-hbfsp 1/1     Running   0           5m12s
redis-cart-85c9fb8bd4-kfk99         0/1     Pending   0           5m11s
shippingservice-5d9f5fc746-z5n96     1/1     Running   0           5m8s
```

```
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~2 -0 !]> kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
adservice-f96c966c9-8jgt9          0/1     Running            3           7m6s
cartservice-5cfdb68865-g4x9v       0/1     CrashLoopBackOff   5           7m6s
checkoutservice-79dc4c7fb6-j977p   1/1     Running            0           7m4s
currencyservice-d6c6fbcbbd-4cvsw    0/1     Running            2           7m4s
emailservice-549fc6dc86-9dmnr       1/1     Running            0           7m1s
frontend-6b4d599649-n9g2p          1/1     Running            0           7m
paymentservice-7b64f64758-79vjp     0/1     Running            1           7m
productcatalogservice-d6b8696f8-p6vrm 1/1     Running            0           7m
redis-cart-878fc4c69-w29jg         1/1     Running            0           6m56s
shippingservice-5d9f5fc746-77t6r    1/1     Running            0           6m53s
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~2 -0 !]> []
```

```
D:\Infracloud\Project\boutique-assignment [master ≡]> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
adservice-f96c966c9-bkn79	1/1	Running	4	20m
cartservice-c8c9d58cf-p6wts	0/1	CrashLoopBackOff	8	20m
checkoutservice-79dc4c7fb6-z4pb2	1/1	Running	0	20m
currencyservice-d6c6fbcb-d-stzmt	1/1	Running	1	20m
emailservice-549fc6dc86-tqxzr	1/1	Running	0	20m
frontend-6b4d599649-brvkj	1/1	Running	0	20m
paymentservice-7b64f64758-m9vqn	1/1	Running	0	20m
productcatalogservice-d6b8696f8-hbfsp	1/1	Running	0	20m
redis-cart-85c9fb8bd4-kfk99	0/1	Pending	0	20m
shippingservice-5d9f5fc746-z5n96	1/1	Running	0	20m

Logs -

```
Events:
```

Type	Reason	Age	From	Message
Normal	Scheduled	22m	default-scheduler	Successfully assigned default/cartservice-c8c9d58cf-p6wts to qa-cluster-worker
Normal	Pulling	21m	kubelet	Pulling image "gcr.io/google-samples/microservices-demo/cartservice:v0.3.1"
Normal	Pulled	20m	kubelet	Successfully pulled image "gcr.io/google-samples/microservices-demo/cartservice:v0.3.1" in 1m36.9222304s
Warning	Unhealthy	19m	kubelet	Liveness probe failed: timeout: failed to connect service ":7070" within 1s
Normal	Killing	18m (x2 over 19m)	kubelet	Container server failed liveness probe, will be restarted
Warning	Unhealthy	18m (x5 over 19m)	kubelet	Liveness probe failed:
Normal	Created	18m (x3 over 20m)	kubelet	Created container server
Normal	Pulled	18m (x2 over 19m)	kubelet	Container image "gcr.io/google-samples/microservices-demo/cartservice:v0.3.1" already present on machine
Normal	Started	18m (x3 over 20m)	kubelet	Started container server
Warning	Unhealthy	18m (x2 over 19m)	kubelet	Readiness probe errored: rpc error: code = Unknown desc = failed to exec in container: container is in CONTAINER_EXITED state
Warning	Unhealthy	11m (x17 over 19m)	kubelet	Readiness probe failed:
Warning	Unhealthy	6m46s (x4 over 18m)	kubelet	Readiness probe failed: timeout: failed to connect service ":7070" within 1s
Warning	BackOff	99s (x44 over 13m)	kubelet	Back-off restarting failed container

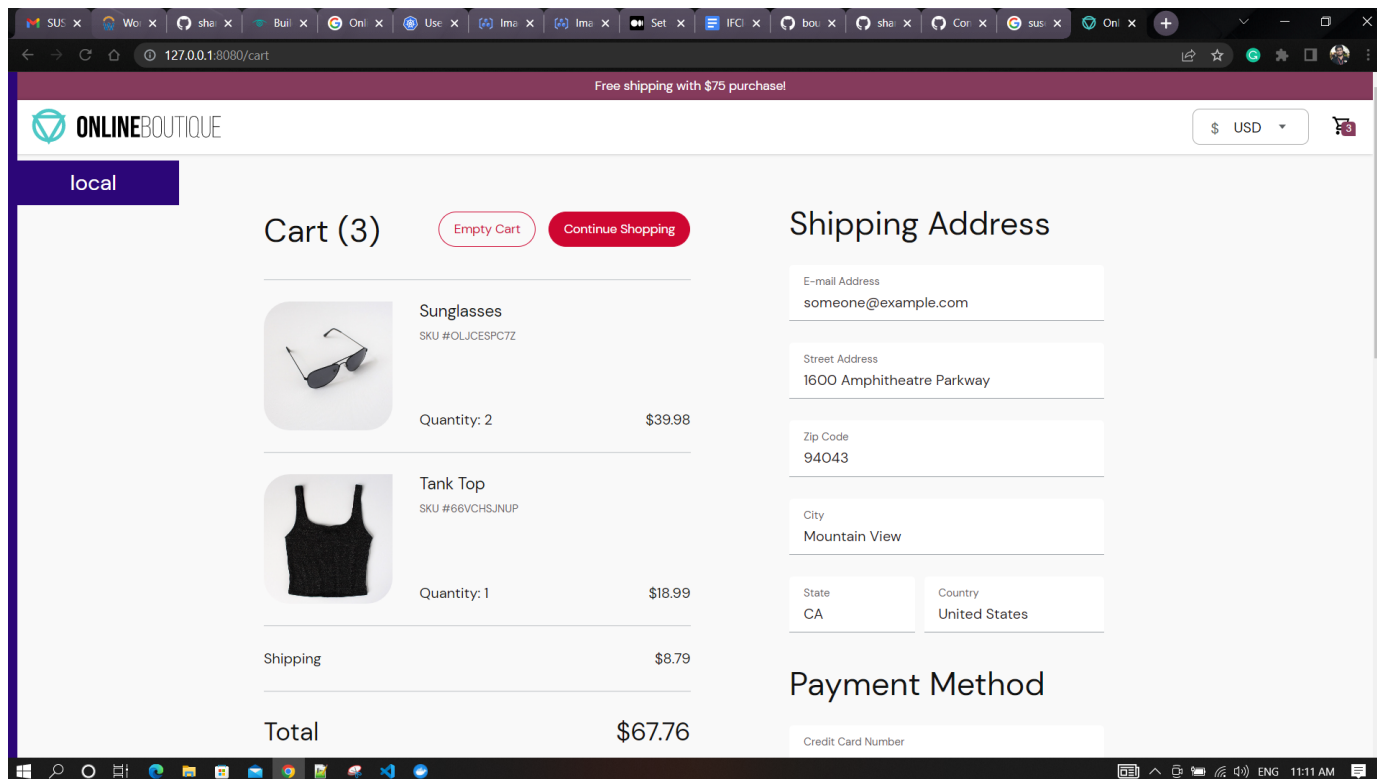
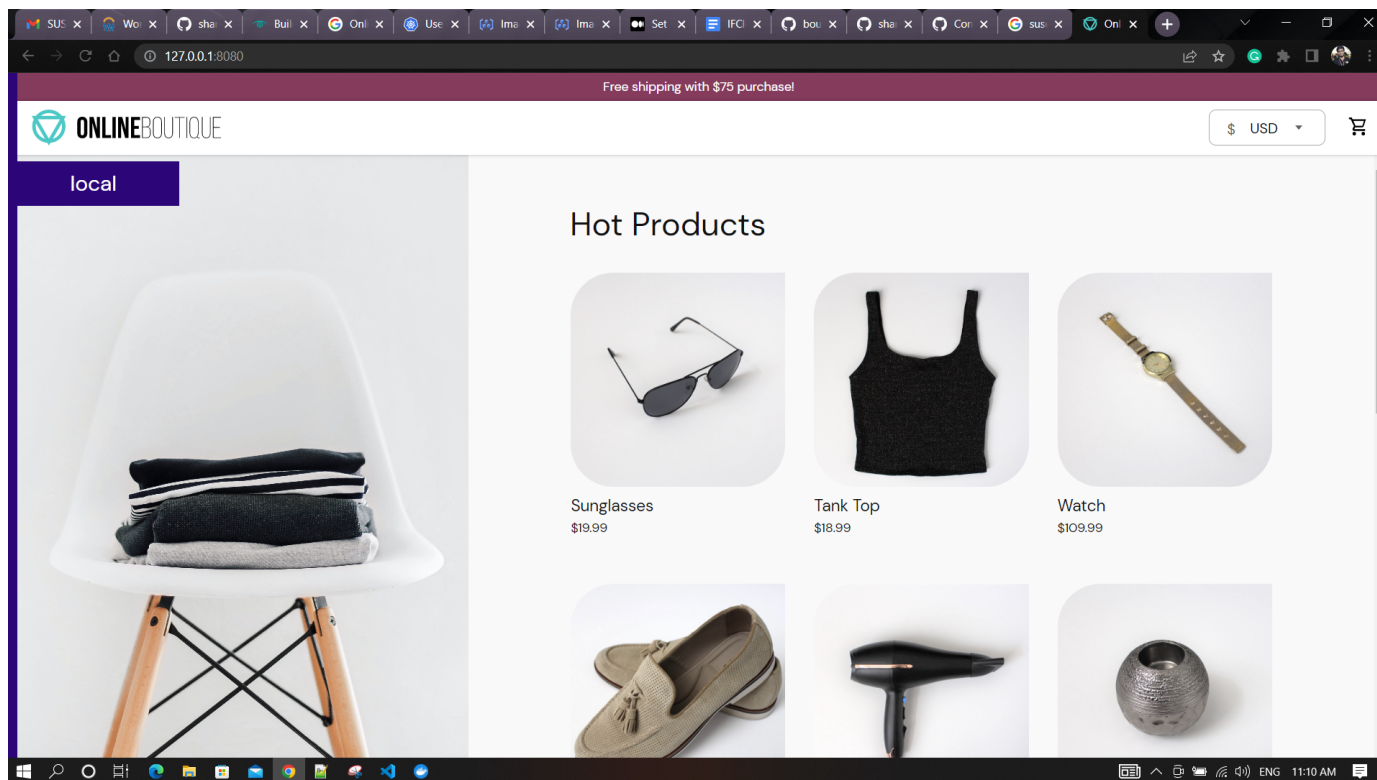
```
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~3 -0 ~]> kubectl get nodes
```

NAME	STATUS	ROLES	AGE	VERSION
qa-cluster-control-plane	Ready	control-plane,master	78m	v1.20.7
qa-cluster-worker	Ready	<none>	77m	v1.20.7

```
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~3 -0 ~]> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
adservice-74d667bbc4-xpb5g	1/1	Running	2	66m
cartservice-5cc8bff87b-ls2v4	1/1	Running	1	48m
checkoutservice-79dc4c7fb6-v44zm	1/1	Running	0	66m
currencyservice-d6c6fbcb-d-qwl4w	1/1	Running	0	67m
emailservice-549fc6dc86-csxsw	1/1	Running	4	66m
frontend-6b4d599649-zpnp9	1/1	Running	0	66m
paymentservice-7b64f64758-q5c26	1/1	Running	2	67m
productcatalogservice-d6b8696f8-nlw5r	1/1	Running	0	67m
recommendationservice-764bdd9d7c-x6wxs	1/1	Running	2	9m42s
redis-cart-878fc4c69-tkhs1	1/1	Running	0	66m
shippingservice-5d9f5fc746-4847d	1/1	Running	0	66m

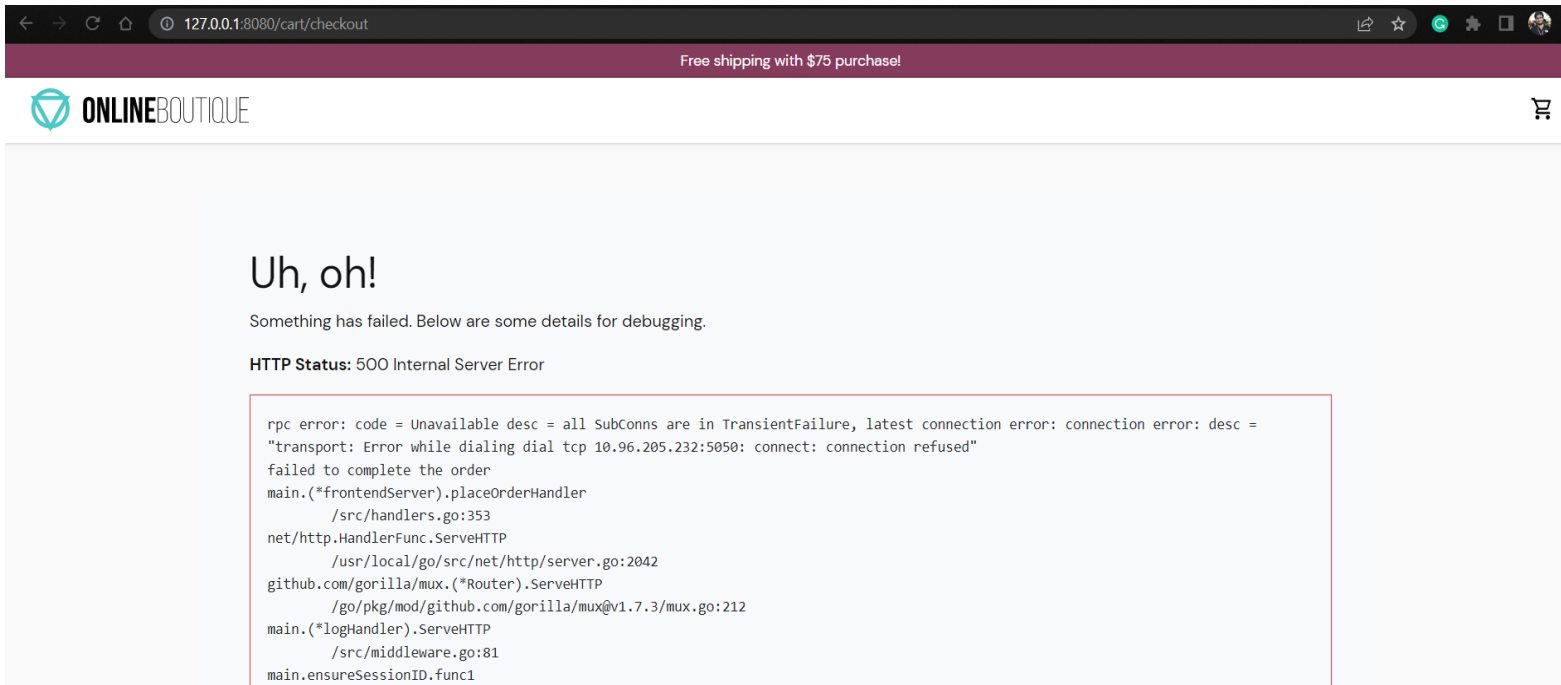
```
D:\Infracloud\Project\boutique-assignment [master ≡ +0 ~3 -0 ~]>
```



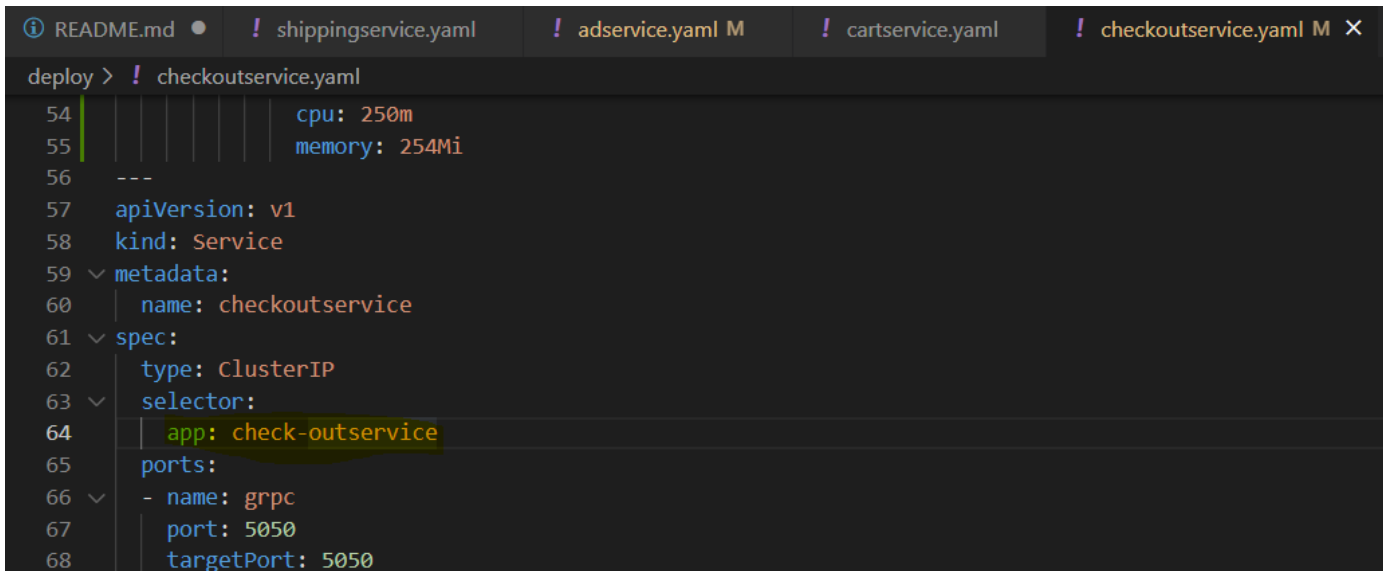
Checkout issue -

Events:

Type	Reason	Age	From	Message
Warning	FailedToUpdateEndpointSlices	52m	endpoint-slice-controller	Error updating Endpoint Slices for Service default/checkoutservice: failed to update checkoutservice-wp6k6 EndpointSlice for Service default/checkoutservice: etcdserver: request timed out



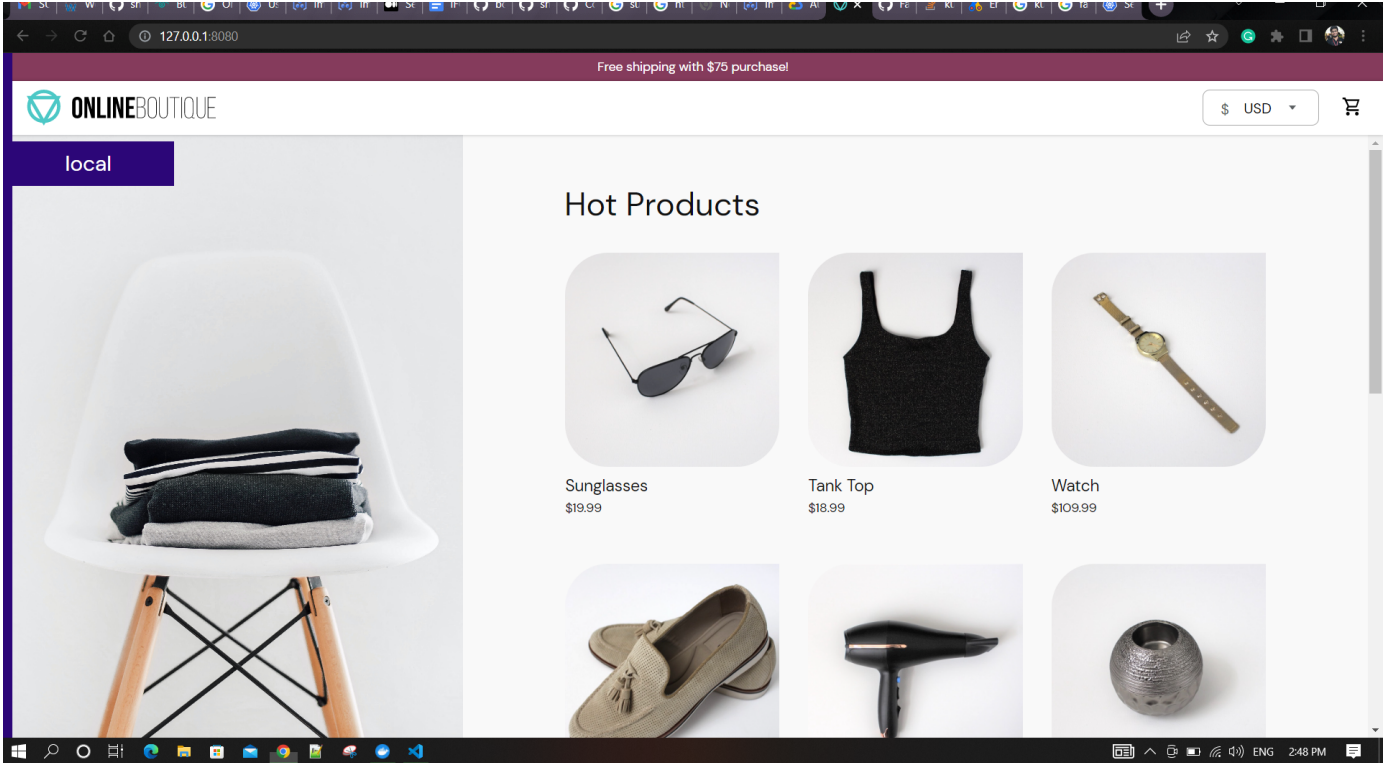
Cause -



SUCCESS -

```
D:\Infracloud\Project\boutique-assignment [master =>] kubectl get nodes
NAME                                STATUS    ROLES    AGE    VERSION
qa-cluster-control-plane            Ready    control-plane,master    88m    v1.20.7
qa-cluster-worker                   Ready    <none>    86m    v1.20.7
D:\Infracloud\Project\boutique-assignment [master =>] kubectl get pods
NAME                                READY    STATUS    RESTARTS    AGE
adservice-85b75dbdd8-8g7z9          1/1      Running    2            52m
cartservice-5cc8bff87b-vxcsc        1/1      Running    3            84m
checkoutservice-79b7499659-fjfk9    1/1      Running    0            2m48s
currencyservice-d6c6fbcdb-vg299     1/1      Running    0            83m
emailservice-66849c5996-tl2mm       1/1      Running    0            83m
frontend-74cfddf8d-nzsnd            1/1      Running    0            83m
paymentservice-7b64f64758-ln5j4     1/1      Running    0            83m
productcatalogservice-d6b8696f8-bp7hj 1/1      Running    0            83m
recommendationservice-764bdd9d7c-hn47t 1/1      Running    0            83m
redis-cart-878fc4c69-jrqct          1/1      Running    0            83m
shippingservice-5d9f5fc746-tsnxx     1/1      Running    0            83m
D:\Infracloud\Project\boutique-assignment [master =>] kubectl get services
NAME                                TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
adservice                           ClusterIP    10.96.147.38   <none>          9555/TCP    84m
cartservice                         ClusterIP    10.96.217.185  <none>          7070/TCP    84m
checkoutservice                     ClusterIP    10.96.205.232  <none>          5050/TCP    84m
currencyservice                     ClusterIP    10.96.147.47   <none>          7000/TCP    84m
emailservice                        ClusterIP    10.96.231.191  <none>          5000/TCP    84m
frontend                            ClusterIP    10.96.173.118  <none>          80/TCP      84m
frontend-external                   NodePort     10.96.234.190  <none>          80:31196/TCP 85m
kubernetes                           ClusterIP    10.96.0.1      <none>          443/TCP     88m
paymentservice                      ClusterIP    10.96.130.50   <none>          50051/TCP   84m
productcatalogservice               ClusterIP    10.96.193.111  <none>          3550/TCP    84m
recommendationservice               ClusterIP    10.96.198.143  <none>          8080/TCP    84m
redis-cart                          ClusterIP    10.96.91.52    <none>          6379/TCP    84m
shippingservice                     ClusterIP    10.96.2.69     <none>          50051/TCP   84m
D:\Infracloud\Project\boutique-assignment [master =>]
```

WEBSITE -




CART -

local


Cart (5)

Empty CartContinue Shopping




Sunglasses
SKU #OLICESPC7Z

Quantity: 2\$39.98



Watch
SKU #TMMWWNIN4O

Quantity: 2\$219.98



Loafers
SKU #L9ECAV7KIM

Quantity: 1\$89.99

Shipping

\$14.00

Total

\$363.95

E-mail Address
shanmughal3@gmail.com

Street Address
13, My Home , Chennai

Zip Code
600000

City
Sea view

State
TN

Country
India

Payment Method

Credit Card Number
4432-8015-6152-0454

Month
January

Year
2023

CVV
...

Place Order

ORDER-

ONLINEBOUTIQUE

Free shipping with \$75 purchase!

local

Your order is complete!

We've sent you a confirmation email.


Confirmation #93e5403b-17c4-11ed-a172-0e9b188d2ecc


Tracking #VE-35691-176344614

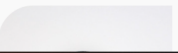
Total Paid\$363.95


Continue Shopping

You May Also Like









LOAD GENERATOR - fails

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

GET /cart6363(100.00%)40274005409940050.000.00

POST /cart6363(100.00%)40364004457740040.200.20

POST /cart/checkout1717(100.00%)40194005406040050.100.10

GET /product/0PUK6V6EV02626(100.00%)40204005405340050.100.10

GET /product/1YMMNN1N403232(100.00%)40444005461340050.000.00

GET /product/2ZYFJ3GM2N3131(100.00%)40234005406440050.100.10

GET /product/66VCHSJNUP4242(100.00%)40484005458440050.100.10

GET /product/6E92ZMYFZ1919(100.00%)40174004404940040.000.00

GET /product/9SIQT8T0J02828(100.00%)40224005409640050.000.00

GET /product/L9ECAV7KIM2626(100.00%)40174005406140050.100.10

GET /product/LS4PSXUNUM3333(100.00%)40274005412240050.000.00

GET /product/OLJCESPC7Z2929(100.00%)40204005404440050.200.20

POST /setCurrency4545(100.00%)40294005449440050.000.00

Aggregated483483(100.00%)40294004461340041.101.10

Name# reqs# failsAvgMinMaxMedianreq/sfailures/s

GET /2929(100.00%)40344005419840050.200.20

GET /cart6363(100.00%)40274005409940050.000.00

POST /cart6363(100.00%)40364004457740040.100.10

POST /cart/checkout1717(100.00%)40194005406040050.100.10

GET /product/0PUK6V6EV02626(100.00%)40204005405340050.100.10

GET /product/1YMMNN1N403232(100.00%)40444005461340050.000.00

GET /product/2ZYFJ3GM2N3131(100.00%)40234005406440050.100.10

GET /product/66VCHSJNUP4242(100.00%)40484005458440050.100.10

GET /product/6E92ZMYFZ1919(100.00%)40174004404940040.000.00

GET /product/9SIQT8T0J02828(100.00%)40224005409640050.100.10

GET /product/L9ECAV7KIM2727(100.00%)40184005406140050.100.10

GET /product/LS4PSXUNUM3333(100.00%)40274005412240050.000.00

GET /product/OLJCESPC7Z2929(100.00%)40204005404440050.200.20

POST /setCurrency4545(100.00%)40294005449440050.000.00

Aggregated484484(100.00%)40294004461340041.101.10

D:\Infracloud\Project\boutique-assignment\test [master =>] kubectl get pods --namespace qa

NAMEREADYSTATUSRESTARTSAGE

loadgenerator-695874fd67-sd4xr1/1Running09m1s

D:\Infracloud\Project\boutique-assignment\test [master =>]

Ln 34, Col 41Spaces: 2UTF-8CRLFYAML

kubectlpowershell

3:07 PM

LOAD GENERATOR - SUCCESS

Terminal Helploadgenerator.yaml - boutique-assignment - Visual Studio Code

...README.md! cartservice.yaml! checkoutservice.yaml! loadgenerator.yaml ×! frontend.yaml! frontend-external.yaml

test > ! loadgenerator.yaml43- name: main

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

GET /product/0PUK6V6EV0	10	0(0.00%)	20	14	34	17	0.00	0.00
GET /product/1YMMNN1N40	8	0(0.00%)	92	13	351	17	0.20	0.00
GET /product/2ZYFJ3GM2N	11	0(0.00%)	91	13	371	48	0.00	0.00
GET /product/66VCHSJNUP	4	0(0.00%)	24	15	35	20	0.00	0.00
GET /product/6E92ZMYFZ	5	0(0.00%)	52	14	141	22	0.00	0.00
GET /product/9SIQT8TOJO	8	0(0.00%)	454	14	3219	23	0.10	0.00
GET /product/L9ECAV7KIM	11	0(0.00%)	49	13	276	22	0.10	0.00
GET /product/LS4PSXUNUM	11	0(0.00%)	33	14	111	27	0.20	0.00
GET /product/OLJCESPC7Z	11	0(0.00%)	23	13	61	16	0.10	0.00
POST /setCurrency	17	0(0.00%)	405	42	2766	130	0.10	0.00
Aggregated	144	0(0.00%)	184	13	4890	37	1.10	0.00

Name	# reqs	# fails	Avg	Min	Max	Median	req/s	failures/s
GET /	7	0(0.00%)	368	36	1949	79	0.00	0.00
GET /cart	18	0(0.00%)	52	13	209	28	0.00	0.00
POST /cart	18	0(0.00%)	210	19	1029	85	0.10	0.00
POST /cart/checkout	5	0(0.00%)	1041	41	4890	94	0.10	0.00
GET /product/0PUK6V6EV0	11	0(0.00%)	21	14	34	18	0.00	0.00
GET /product/1YMMNN1N40	8	0(0.00%)	92	13	351	17	0.20	0.00
GET /product/2ZYFJ3GM2N	11	0(0.00%)	91	13	371	48	0.00	0.00
GET /product/66VCHSJNUP	4	0(0.00%)	24	15	35	20	0.00	0.00
GET /product/6E92ZMYFZ	6	0(0.00%)	50	14	141	22	0.00	0.00
GET /product/9SIQT8TOJO	8	0(0.00%)	454	14	3219	23	0.10	0.00
GET /product/L9ECAV7KIM	11	0(0.00%)	49	13	276	22	0.00	0.00
GET /product/LS4PSXUNUM	11	0(0.00%)	33	14	111	27	0.20	0.00
GET /product/OLJCESPC7Z	11	0(0.00%)	23	13	61	16	0.10	0.00
POST /setCurrency	18	0(0.00%)	395	42	2766	130	0.10	0.00
Aggregated	147	0(0.00%)	182	13	4890	40	0.90	0.00

Name	# reqs	# fails	Avg	Min	Max	Median	req/s	failures/s
GET /	7	0(0.00%)	368	36	1949	79	0.00	0.00
GET /cart	18	0(0.00%)	52	13	209	28	0.00	0.00
POST /cart	18	0(0.00%)	210	19	1029	85	0.10	0.00
POST /cart/checkout	5	0(0.00%)	1041	41	4890	94	0.10	0.00
GET /product/0PUK6V6EV0	11	0(0.00%)	21	14	34	18	0.00	0.00
GET /product/1YMMNN1N40	8	0(0.00%)	92	13	351	17	0.20	0.00
GET /product/2ZYFJ3GM2N	11	0(0.00%)	91	13	371	48	0.00	0.00
GET /product/66VCHSJNUP	4	0(0.00%)	24	15	35	20	0.00	0.00