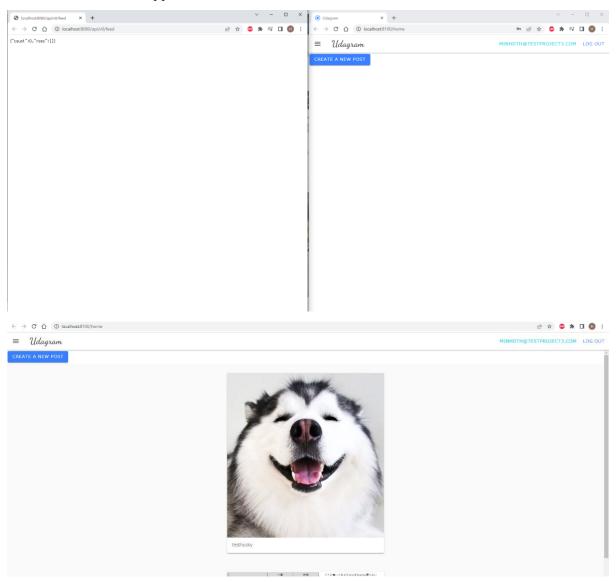
Report project 3

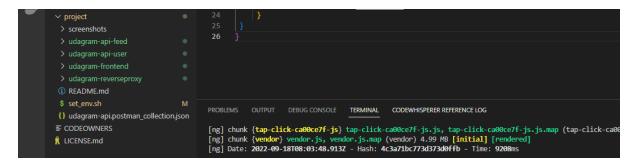
Project owner: MinhDTH

1. Part I -Monolithic application: run on local result

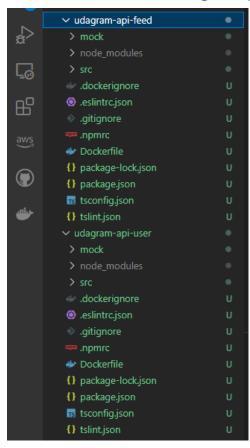


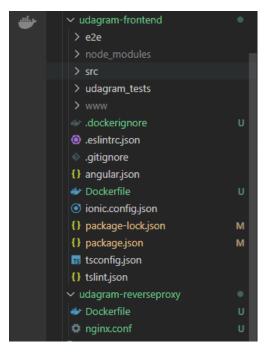
2. Part II: Microservices application:

Divide an application into microservices

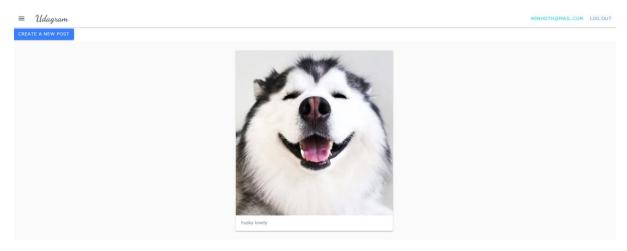


Build and run a container image using Docker:



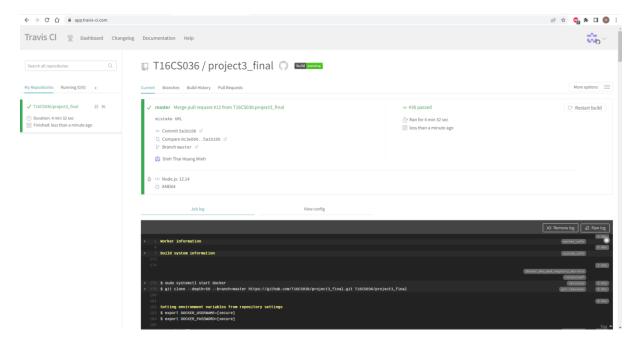


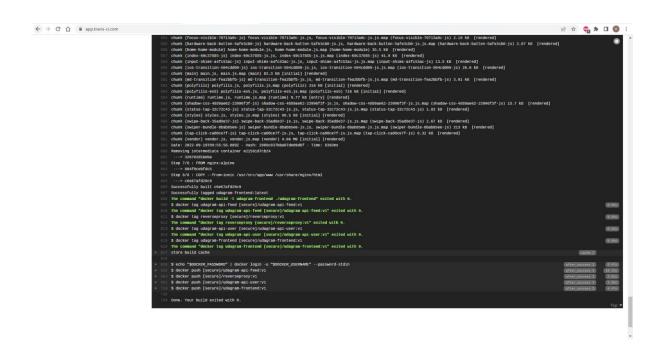
successful to run on docker local



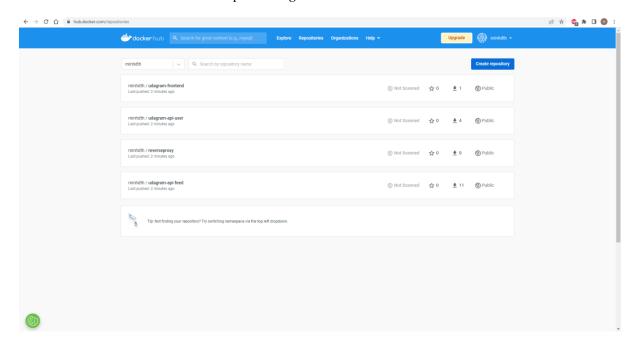
3. PartIII:

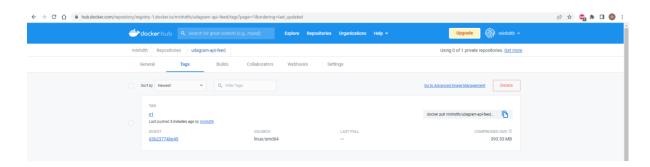
I success to run on travis ci at picture below:





This is docker hub after success to push image on:





All pods, services, deployments information on EKS

```
### MINKSWAVI/Neuming/Cloud_develop_project3/project/deployment (project3_final)

### Annual Content of the Con
```

kubectl describe services doesn't include sensitive information:

```
TOP-EIFEVJ6 MINGW64 /f/learning/Cloud_develop_project3/project/deployment (project3_final)
$ kubect1 describe services
                                                             backend-feed
 Name:
 Namespace:
                                                             default
Labels:
Annotations:
                                                             service=backend-feed
                                                            <none>
service=backend-feed
 Selector:
                                                             ClusterIP
 Type:
IP Family Policy: SingleStack
IP Families: IPv4
                                                            IPv4
10.100.88.77
10.100.88.77
8080 8080/TCP
IP:
IPs:
 Port:
  TargetPort:
                                                             8080/TCP
 Endpoints: 172.
Session Affinity: None
                                                              172.31.6.102:8080,172.31.8.217:8080,172.31.8.60:8080
 Events:
                                                             <none>
Name:
                                                             backend-user
Namespace:
Labels:
Annotations:
                                                             default
                                                             service=backend-user
                                                             <none>
                                                             service=backend-user
ClusterIP
 Selector:
 Type:
| Type: | Cluster | Family Policy: | Single | Stack | IP Families: | IPv4 | IP: | 10.100.239.106 | IPs: | 10.100.239.106 | Port: | 8080 | 8080/TCP | 10.100.239.106 | IPs: | IPs:
 TargetPort:
                                                              8080/TCP
Endpoints: 172.3
Session Affinity: None
                                                              172.31.1.124:8080,172.31.20.33:8080
 Events:
                                                             <none>
Name:
                                                             frontend
Namespace:
Labels:
Annotations:
                                                            default
                                                             service=frontend
                                                             <none>
                                                             service=frontend
 Selector:
 Type:
                                                             ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
                                                            IPv4
10.100.134.210
10.100.134.210
8100 8100/TCP
IP:
IPs:
 Port:
 TargetPort:
                                                              80/TCP
Endpoints: 172.3
Session Affinity: None
Events: <none
                                                              172.31.26.66:80,172.31.9.125:80
                                                             <none>
Name:
                                                             kubernetes
Namespace:
Labels:
                                                             default
                                                             component=apiserver
                                                             provider=kubernetes
 Annotations:
                                                             <none>
 Selector:
Type:
IP Family Policy:
IP Families:
                                                             ClusterIP
                                                             SingleStack
IPv4
10.100.0.1
```

```
kubernetes
default
       Namespace:
Labels:
                                                                                                                                              component=apiserver
provider=kubernetes
 Name:
Namespace:
Labels:
Annotations:
Selector:
                                                                                                                                                                                                 publicfrontend
default
service=frontend
                                                                                                                                                                                               service=frontend
<nones
service=frontend
LoadBalancer
SingleStack
IPv4
10.100.194.4
10.100.194.4
a4696e205fe8343ee9b5330d83800088-1681095295.us-east-1.elb.amazonaws.com
<unset> 80/TCP
80/TCP
<unset> 31658/TCP
172.31.26.66:80,172.31.9.125:80
None
   Selector:
Type:
IP Family Policy:
IP Families:
IP:
IPs:
         oadBalancer Ingress:

      LoadBalancer Ingress:
      44696e20

      Port:
      <unset>

      TargetPort:
      80/TCP

      NodePort:
      <unset>

      Endpoints:
      172.31.2

      Session Affinity:
      None

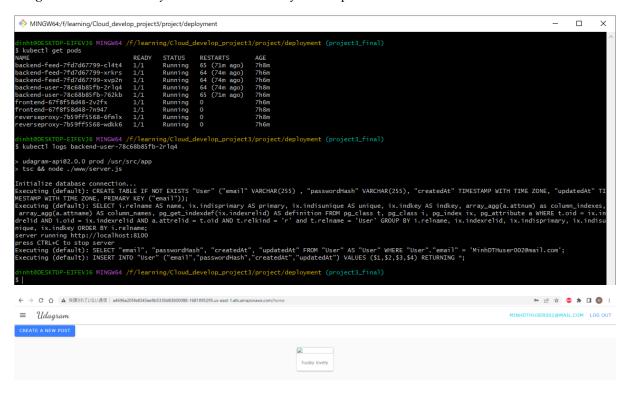
      External Traffic Policy:
      Cluster

      Events:
      <none>

Name: publicreverseproxy
Namespace: default
Labels: service=reverseproxy
Annotations: <none>
Selector: service=reverseproxy
Type: LoadBalancer
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100.148.221
IPs: 10.100.148.221
LoadBalancer Ingress: a8829719baae24508ab64b26615b528e-48855293.us-east-1.elb.amazonaws.com
Port: <unset> 8080/TCP
NodePort: <unset> 8080/TCP
Session Affinity: <unset> 31149/TCP
Endpoints: 172.31.22.251:8080,172.31.7.87:8080
Session Affinity: Cluster
Events: <unset> cluster
Session Affinity: Cluster
Events: <unset> cluster
Session Affinity: Cluster
Session A
         vents:
                                                                                                                                          reverseproxy
default
service=reverseproxy
<none>
service=reverseproxy
ClusterIP
SingleStack
IPv4
10.100.60.20
10.100.60.20
10.100.60.20
8080 8080/TCP
8080/TCP
   Name:
Namespace:
Labels:
Annotations:
Selector:
Type:
IP Family Policy:
IP Families:
   IP:
IPs:
Port:
TargetPort:
```

kubectl describe hpa autoscaling

I register new User on system and this was my BE respone:



My github: https://github.com/T16CS036/project3_final.git

It has included everything! Even I shouldn't upload sensitive information! But because to improve I work on the flow you guys give me! So, I attached everything on git!

Because of the cost of AWS, I will turndown service immediately.

Thank you so much for the lesson!!