Multi-tier NodeJS application Running on AWS EKS

Creating a backend-deployment file:

```
GNU nano 2.9.8
                                                             deployment-backend.yml
apiVersion: apps/v1
kind: Deployment
metadata:
 name: mongo
spec:
  replicas: 1
 selector:
   matchLabels:
     app: mongo
  template:
    metadata:
      labels:
       app: mongo
    spec:
      containers:
      - name: mongo
       image: mongo
       ports:
        - containerPort: 27017
```

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
frontend	1/1	1	1	27m
javademoapp	2/2	2	2	47h
mongo	1/1	1	1	42m
my-regapp	2/2	2	2 _	4d7h

Creating a service for backend-deployment:

```
kubectl create service clusterip mongo --tcp=27017:27017
```

```
service/mongo created
```

Create a front-end deployment file:

```
GNU nano 2.9.8
                                                             deployment-frontend.yml
apiVersion: apps/v1
kind: Deployment
metadata:
 name: frontend
  labels:
    app: front-end
spec:
  replicas: 1
  selector:
    matchLabels:
      app: front-end
  template:
    metadata:
      labels:
        app: front-end
    spec:
      containers:
      - name: frontend
        image: devopsedu/employee
        ports:
        - containerPort: 8888
```

Create a service for front-end:

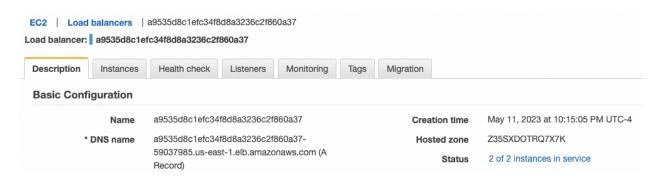
```
GNU nano 2.9.8 service.yml

apiVersion: v1
kind: Service

metadata:
   name: front-end
   labels:
    app: front-end

spec:
   selector:
    app: front-end
ports:
    - port: 8083
        targetPort: 8888
type: LoadBalancer
```





Application URL: http://a9535d8c1efc34f8d8a3236c2f860a37-59037985.us-east-1.elb.amazonaws.com:8083/