MovieBookingApplication

JAVA FSE1

Springboot-React-GCP

MovieBookingApp Backend Deployment using (Google Kubernetes Engine) steps:

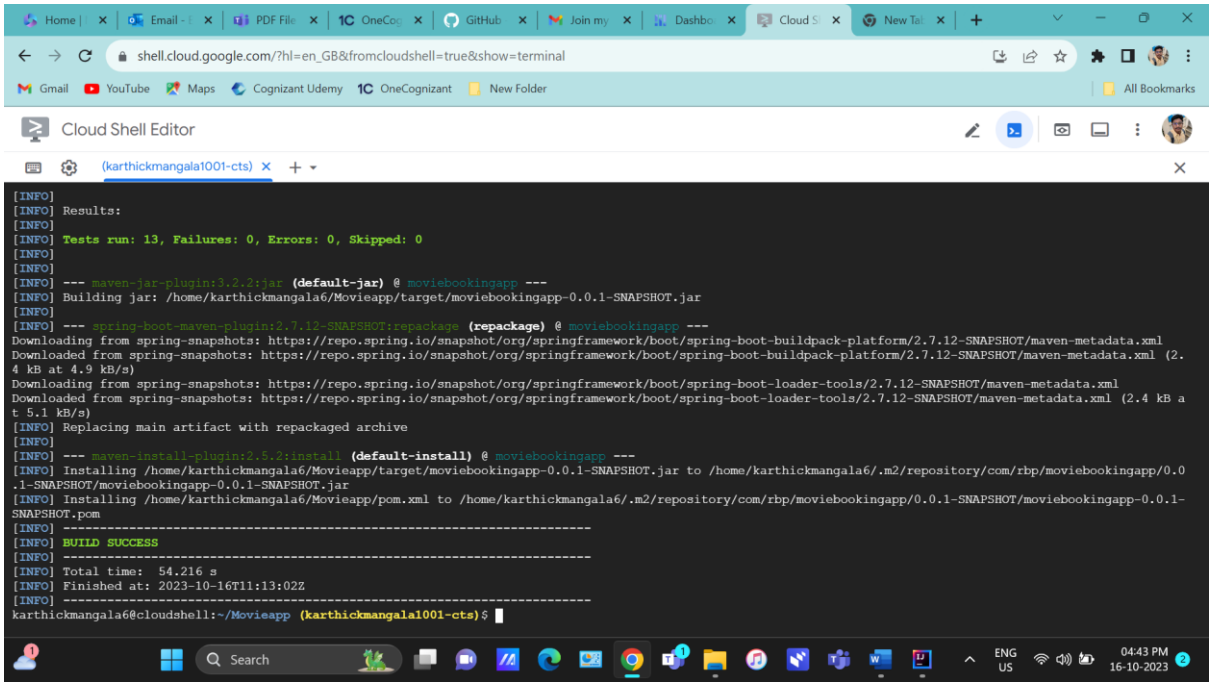
1) **Create Mongodb atlas by selecting Gcp as a service and create one connection After successfully created the connection,you will get uri like this update in application.properties backend code**

```
spring.data.mongodb.uri=mongodb+srv://test:test@cluster0.1qounvz.mongodb.net/?retryWrites=true&w=majority
```

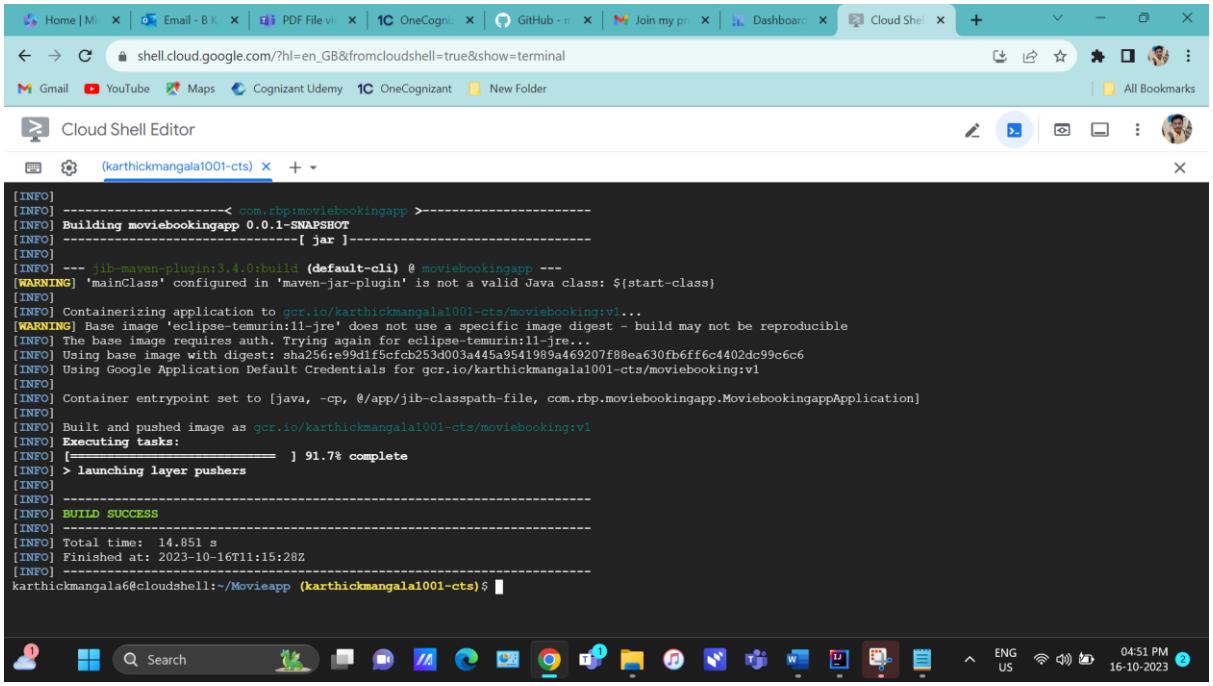
2) Active cloud shell-> git clone https://github.com/Mangalakarthick/Movie-Application-using-Java-React.git

3) cd Movieapp

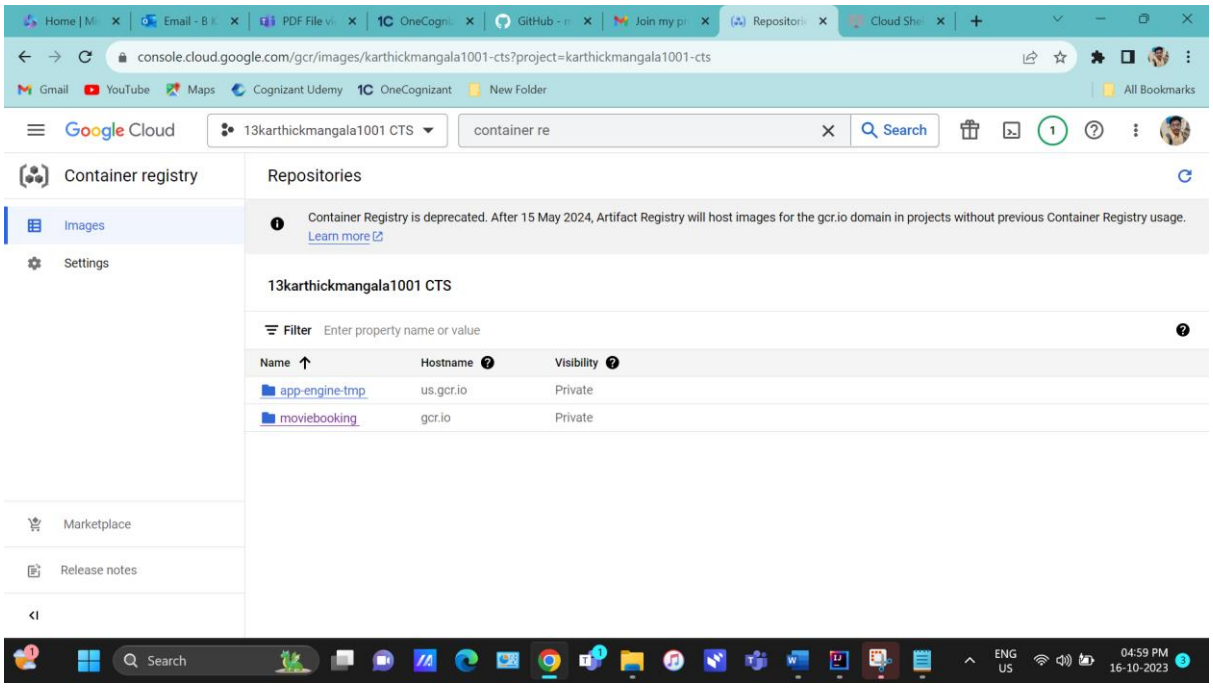
4) mvn clean install



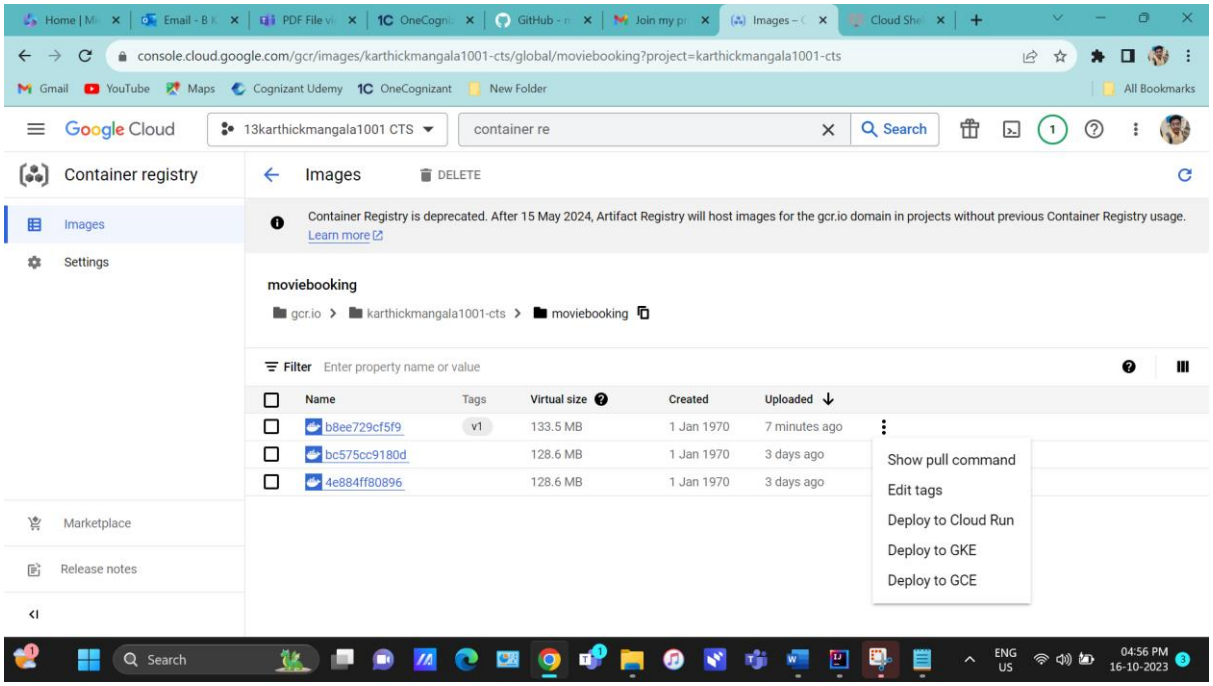
5) mvn com.google.cloud.tools:jib-maven-plugin:build -Dimage=gcr.io/karthickmangala1001-cts/moviebooking:v1



6) In gcp console search-> images (container register) type and click show blow like this choose moviebooking

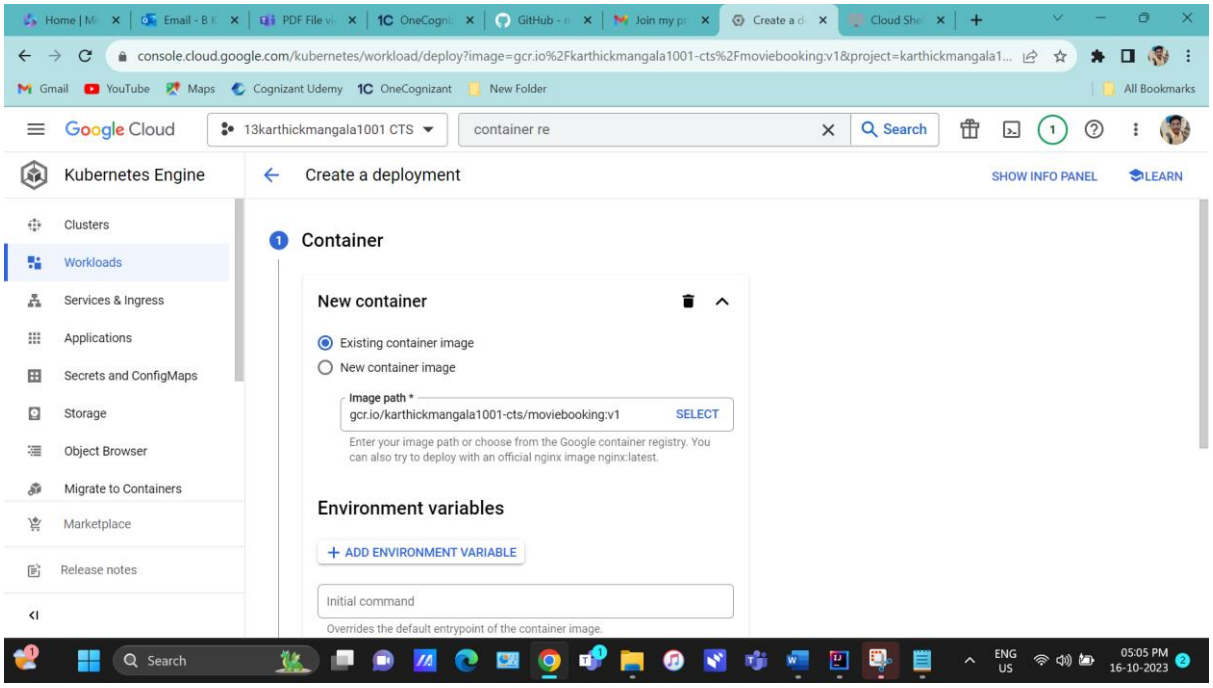


7) Moviebooking after choose latest updated docker container Deploy to GKE select

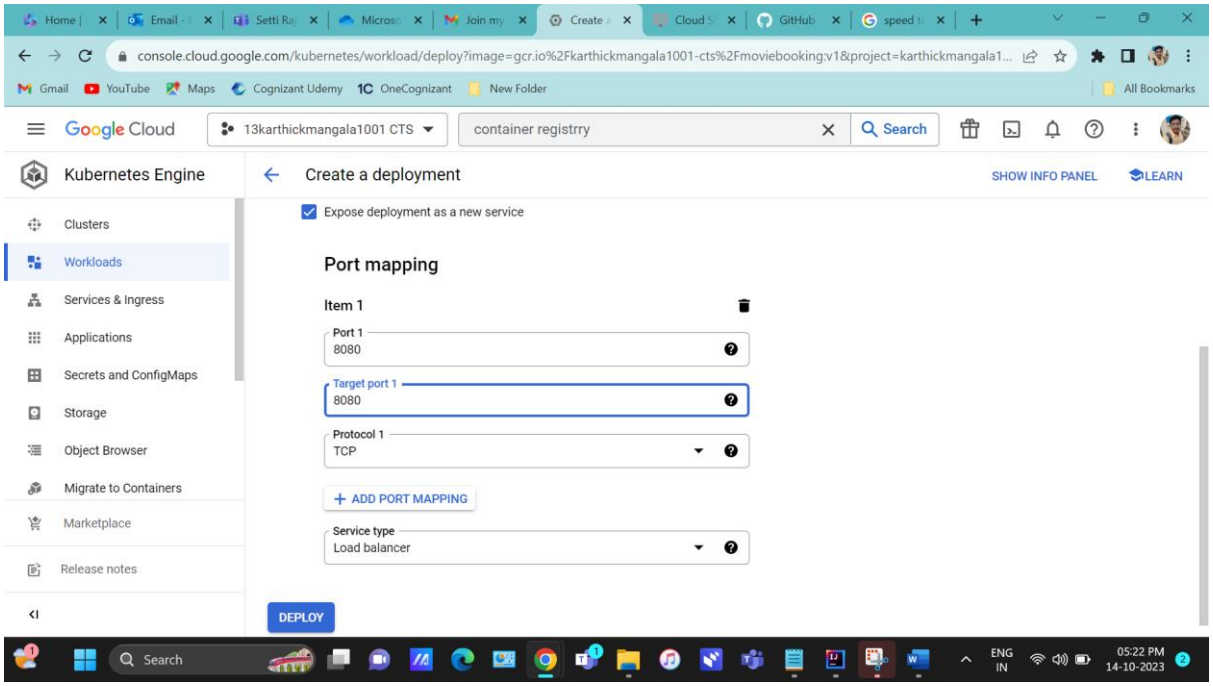


8) Deploy to GKE select after show below like this

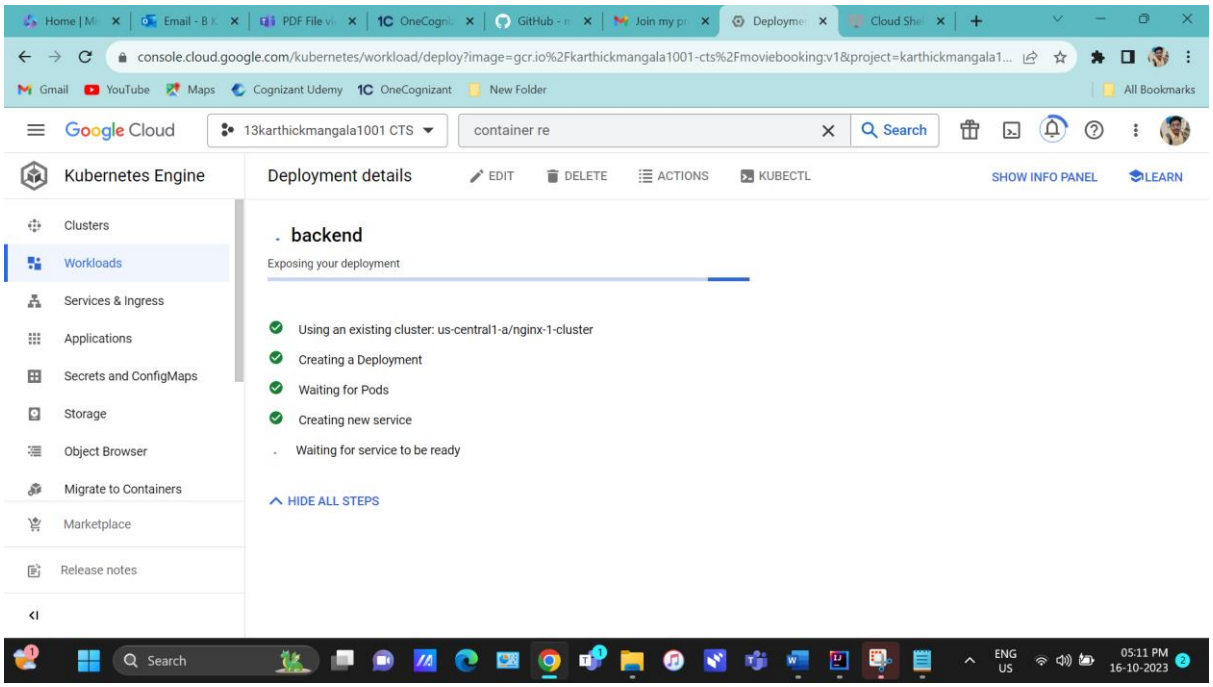
No changes in 1)container 2)Configurtion deployment name choose your wise eg (backend)



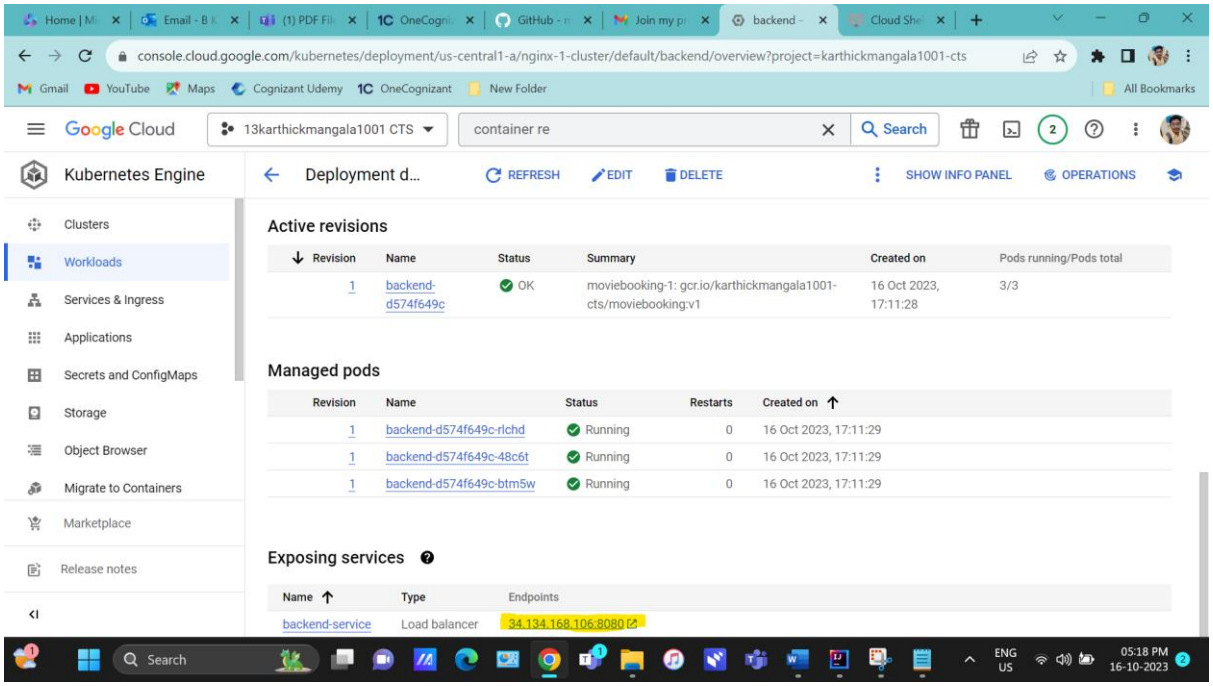
9) click on Expose put your backend running port eg(8080) click deploy



Now backend is deploying show like this



10) once successfully deployed backend we need to update the port number in frontend code highlighted (http://34.134.168.106:8080/)

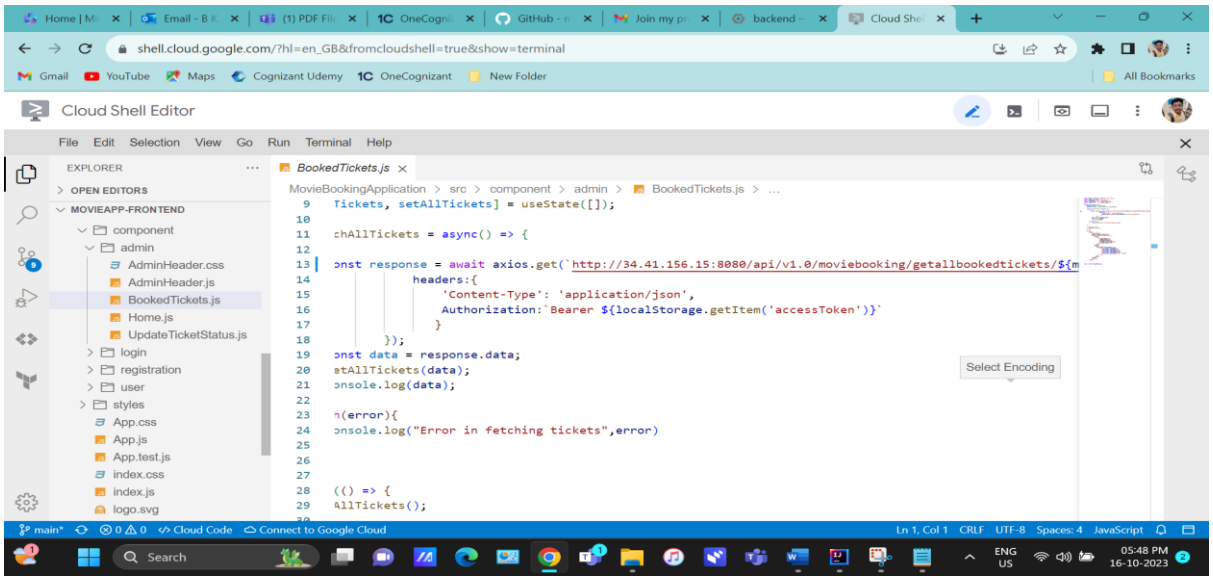


MovieBooking Application Frontend Deployment using (App engine) Steps:

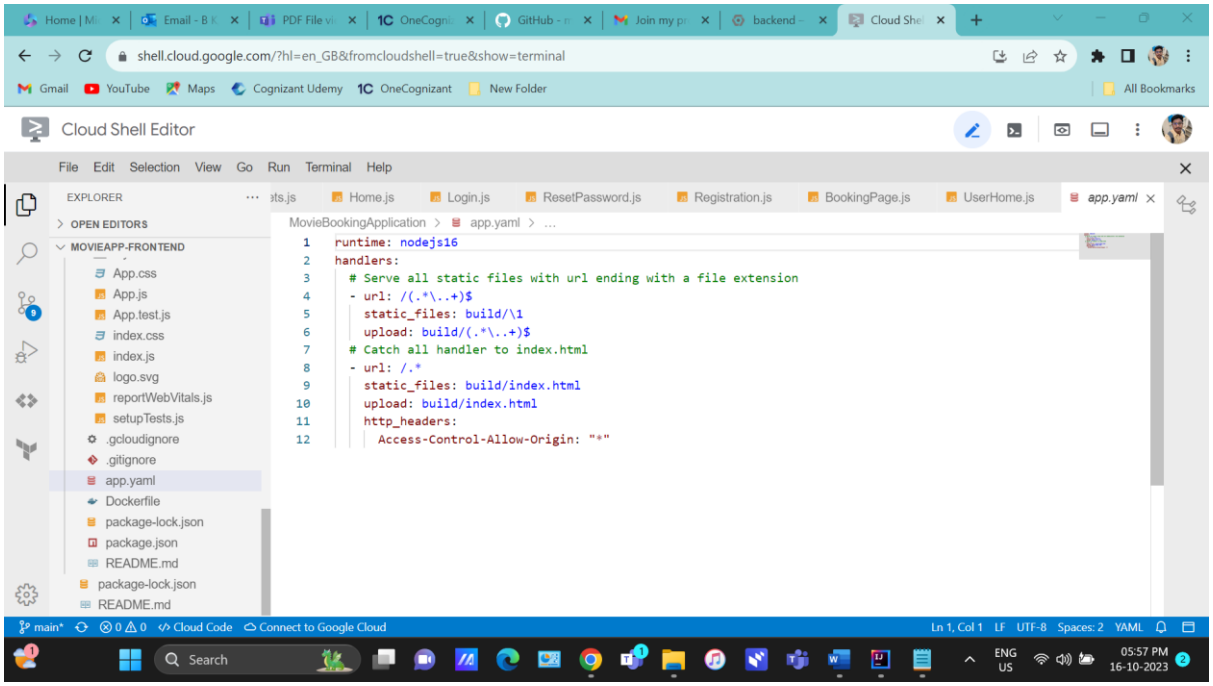
1) cloud shell ->git clone https://github.com/Mangalakarthick/Movie-Application-using-Java-React.git (frontend)

2) open editor choose movieapp-frontend

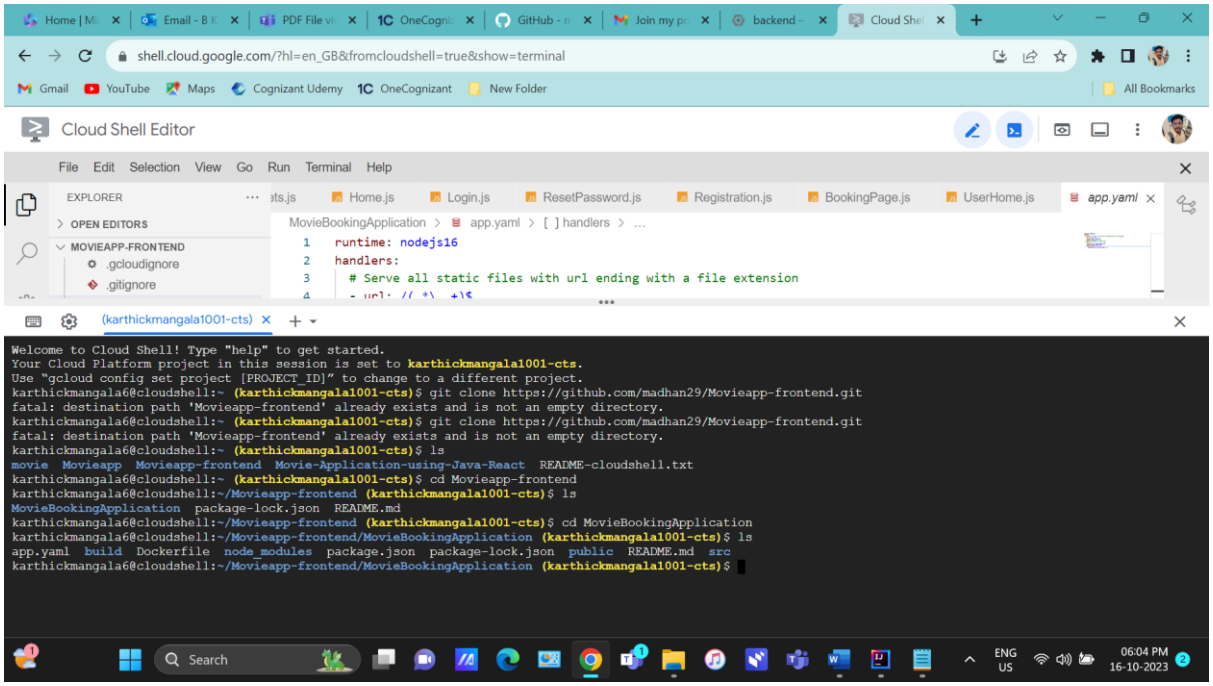
3) changes in components file eg (bookedtickets.js) we have to change local port to backend cloud generated port no (note: once port change click to save)



4)we need to create app.yaml file

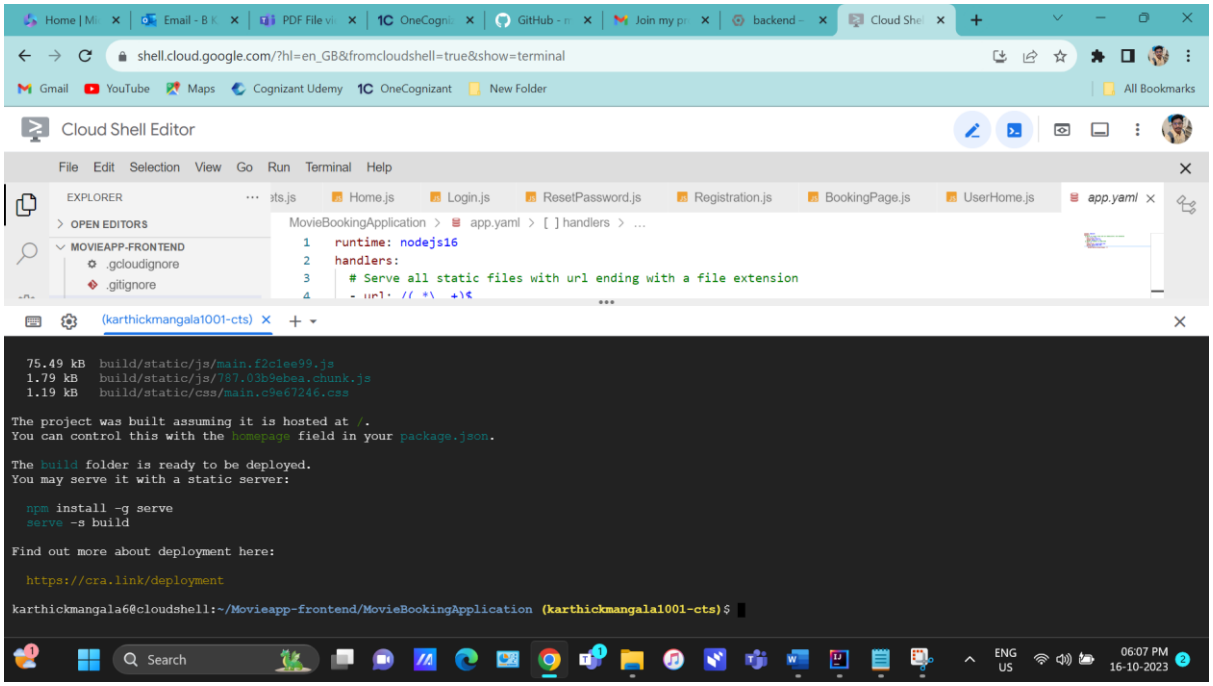


5) Cd Movieapp-frontend

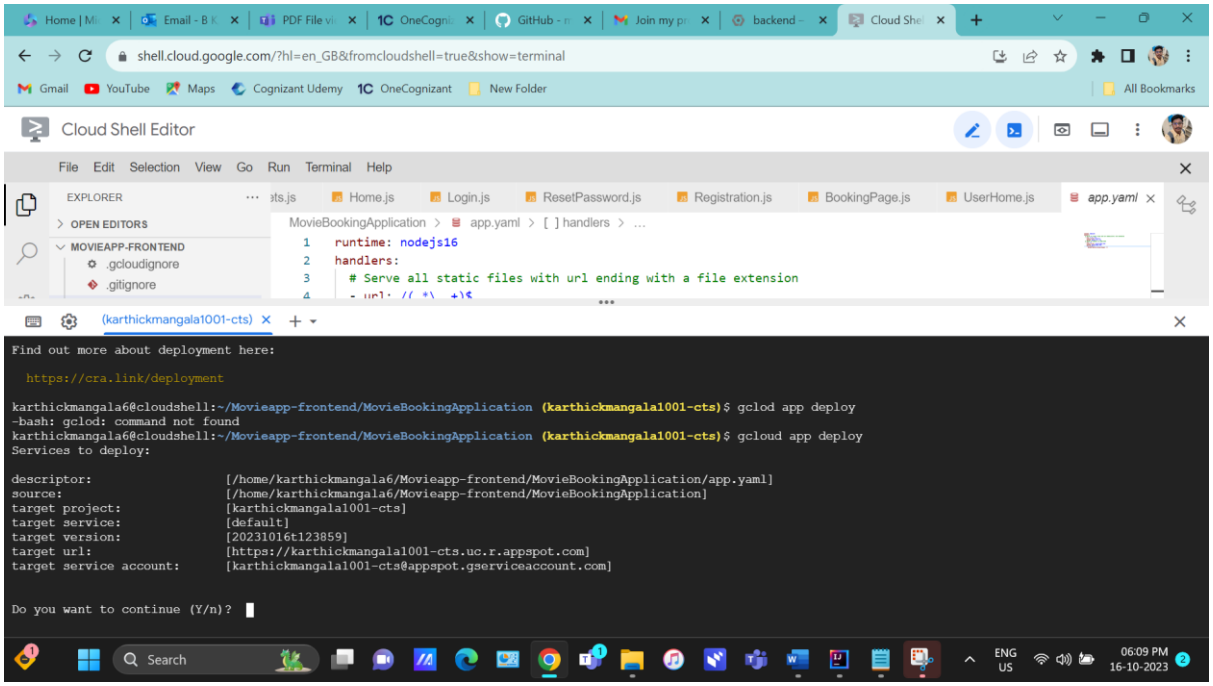


6) npm install

7)npm run build



8) gcloud app deploy



9)Now Moviebooking-frontend successfully deployed