**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

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

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

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

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8) Deploy to GKE select after show below like this

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

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

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Now backend is deploying show like this

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

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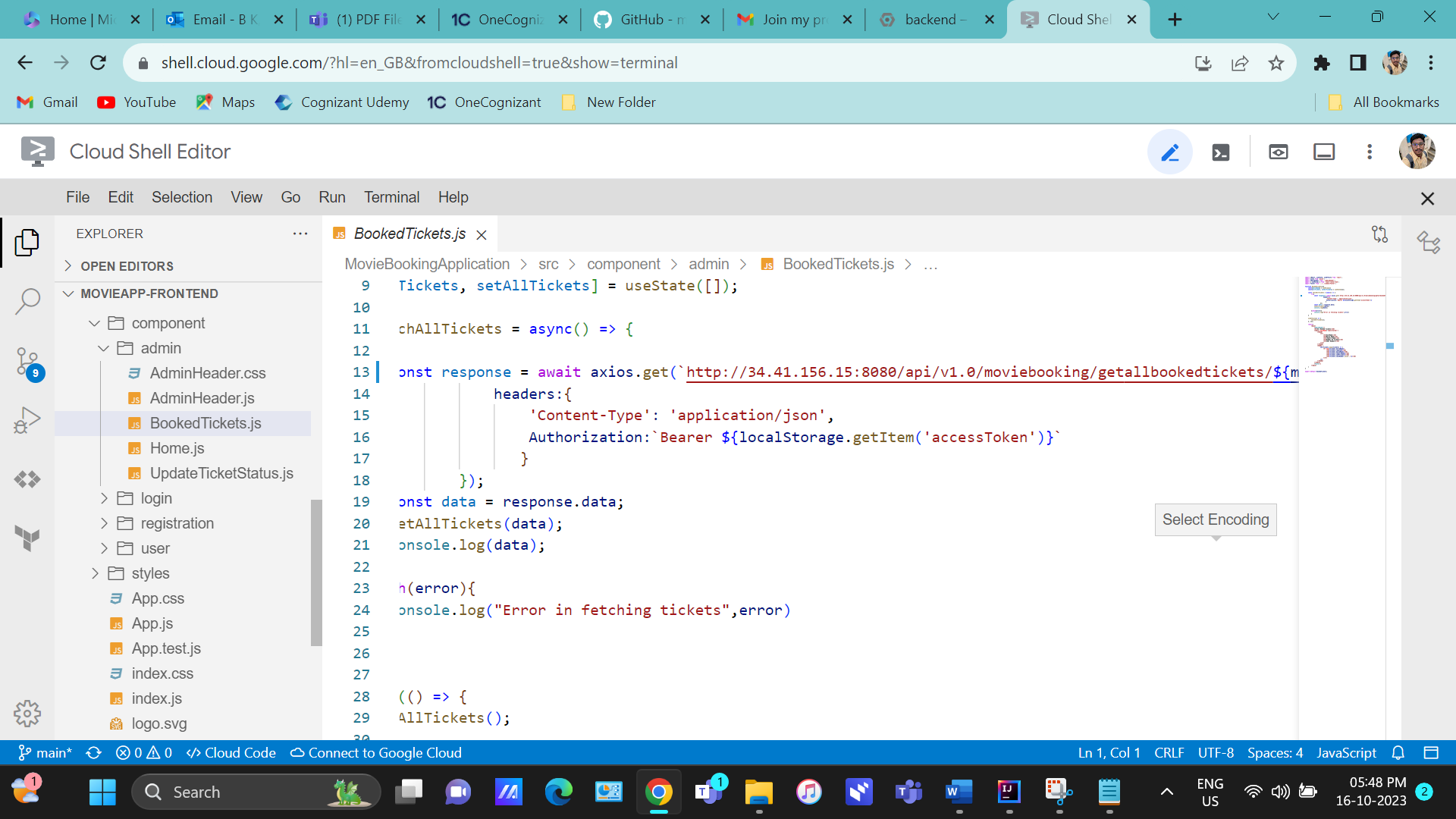
Description automatically generated

**MovieBooking Application Frontend Deployment using (App engine) Steps:**

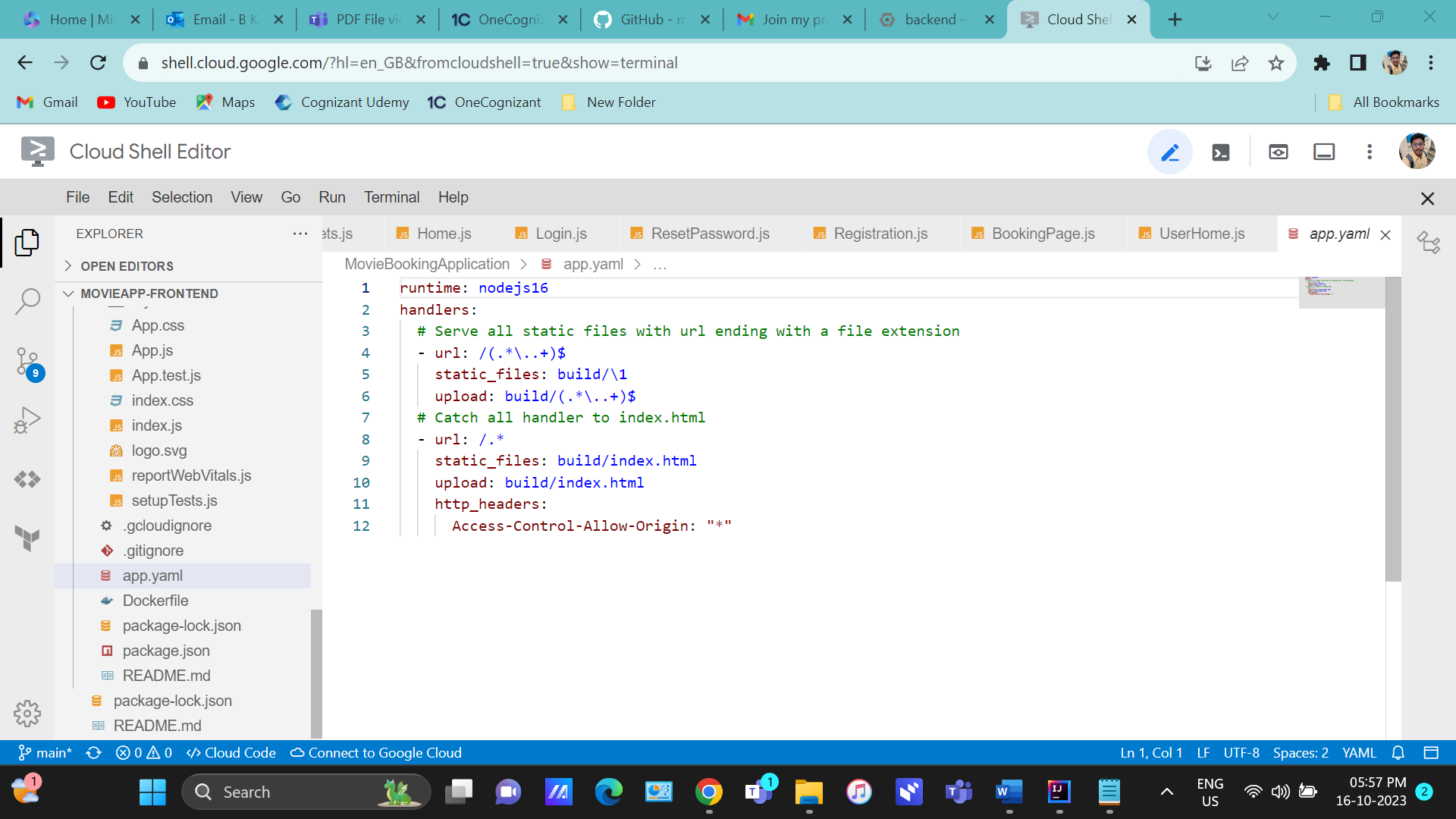
1) cloud shell ->git clone <https://github.com/Mangalakarthick/Movie-Application-using-Java-React.git> (frontend)

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

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6) npm install

7)npm run build

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8) gcloud app deploy

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9)Now Moviebooking-frontend successfully deployed

