DEPLOYMENT STEPS

1. Create a remote Database in AWS.
2. Get your remote DB urls & credentials and connect it to your project.
3. Create a server in aws (EC2)
4. Deploy your code to the server and run it there.
5. Link your frontend to your backend running on aws ec2
6. Package your frontend and deploy to aws s3

Remote Database: RDS CONFIG

1. Search RDS
2. Select Standard create
3. Select mysql
4. Toggle show versions on to auto select engine
5. Click free tier
6. Type your db instance name
7. Enter your db login username and password
8. Select public access
9. Click create-database.
10. Click vpc security group
11. click security group id
12. Click edit inbound rule add customTCP anywhere ip4 and your port
13. CONNECT TO THE DATABASE FROM YOUR WORKBENCH
14. Connect to database from your code

EC2(AWS Cloud Server) CONFIG

1. Search EC2
2. Enter instance name
3. Select os
4. Make sure it's on free tire
5. Create new keypair(credentials for logging in)
6. Click lunch-instance
7. Click on security, click security group
8. Click edit in bond-rule
9. Add a rule, select custom tcp add your port and anywhere ip4
10. Connect to your server
    a. Cd to location of your pem file
    b. Grant admin access
    c. Log into the server
    d. Update your server environment(sudo yum update)
    e. Install node.js:
        i. curl -fsSL https://rpm.nodesource.com/setup_24.x | sudo bash -
        ii. sudo dnf install nodejs -y
    f. Verify node installations:
        i. node -v
        ii. npm -v
11. Copy the backend project folder to the server: NOTE replace with your computer path

    scp -i /Users/mac/aws/event.pem -r /Users/mac/phegonDev/events-management/server ec2-user@ec2-3-22-223-172.us-east-2.compute.amazonaws.com:/home/ec2-user/projects

12. Start the app:
    a. cd ~/projects/server
    b. npm install
    c. npm start
13. Test in postman using the new url

14. ctr + c ⇒ stop app.
15. RUN IN BACKGROUND
    a. Create new screen: screen -S eventapp
    b. Run app: npm start
    c. Detach from screen: ctr + A + D
    d. List all screens: screen -ls
    e. Attach to screen: screen -r eventapp
    f. Stop app: ctr+c

S3 CONFIG

1. Package your frontend: npm run build
2. Create bucket
3. Click permission and click edit policy
4. Set permission: https://gist.github.com/phegondev/e8d17fc997d6a099968070e8fb95ce60
5. Click on properties and enable static website hosting
6. Click on object and upload all files and static folder within the build folder