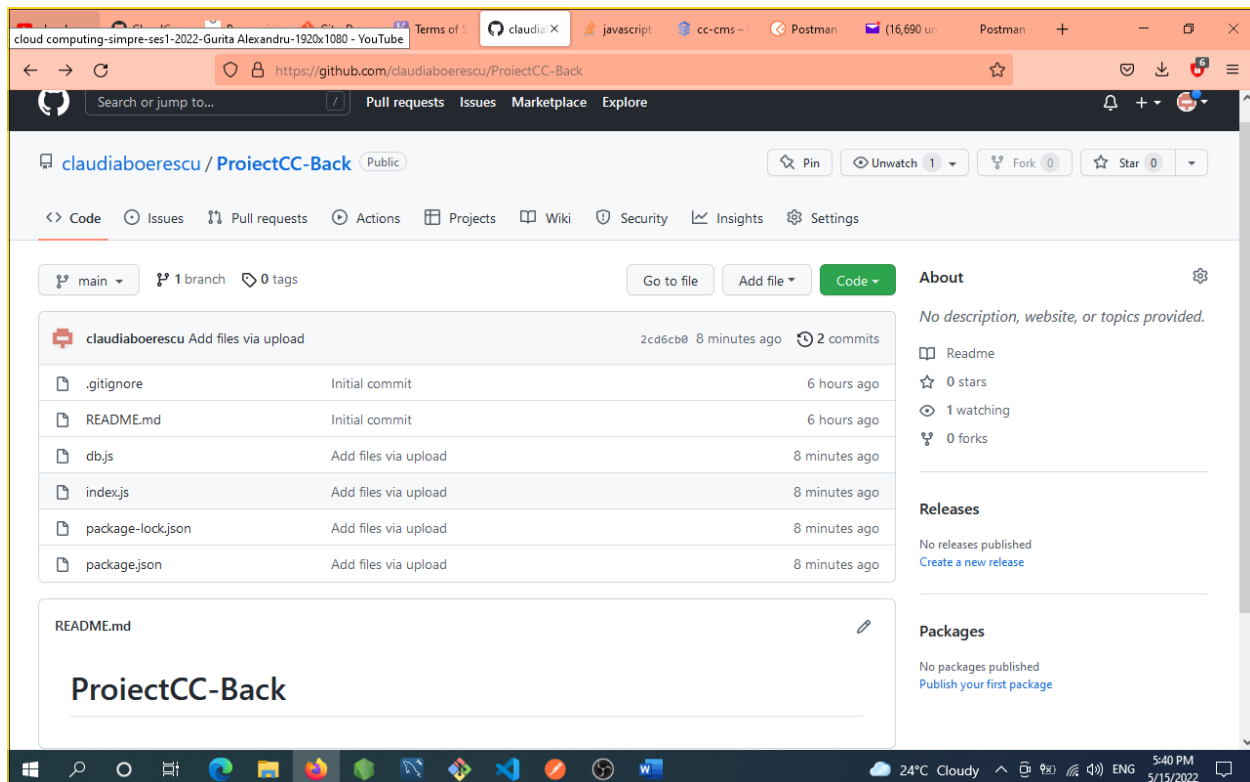Realizarea unei aplicatii prin care se primesc reclamatii de la clienti

Proiect realizat de:

Boerescu Claudia Maria, grupa 1117

Cloud Computing

Crearea unui repository pe git:

Clonarea acestuia:

Instalarea pachetelor:

```
{} .package-lock.json > ...
 48          version : 3.1.2 ,
 49          "resolved": "https://registry.npmjs.org/bytes/-/bytes-3.1.2.tgz",
 50          "integrity": "sha512-/Nf7TyzTx6S3yRJObOAV7956r8cr2+Oj8AC5dt8wSP3BQAoeX58NoHyCU8P8zGkNXStjTSi6fzO6F0pBdcYbE
 51          "engines": {
 52            "node": ">= 0.8"
 53          }
 54        },
 55        "node_modules/call-bind": {
 56          "version": "1.0.2",
 57          "resolved": "https://registry.npmjs.org/call-bind/-/call-bind-1.0.2.tgz",
 58          "integrity": "sha512-7O+FbCihrB5WGbFYesctwmTKae6rOiIzmz1icreWJ+0aA7LJfuqhEso2T9ncpcFtzMQtzXf2QGGueWJGTYsqr
 59          "dependencies": {
 60            "function-bind": "^1.1.1",
 61            "get-intrinsic": "^1.0.2"
 62          },
 63          "funding": {
 64            "url": "https://github.com/sponsors/ljharb"
 65          }
 66        },
 67        "node_modules/content-disposition": {
 68          "version": "0.5.4",
 69          "resolved": "https://registry.npmjs.org/content-disposition/-/content-disposition-0.5.4.tgz",
 70          "integrity": "sha512-FveZTNuGw04cxlAiWbzi6zTAL/lhehaWbTtgluJh4/E95DqMwTmha3KZN1aAWA8cFIhHzMZUvLevkw5Rqk+tS
 71          "dependencies": {

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL
```

Captura din fisierul index.js

```js
JS index.js > ...
  1    const express = require('express');
  2    const cors = require('cors');
  3
  4    const bodyParser = require("body-parser");
  5    const messagesRouter = require('../router/messagesRouter');
  6
  7
  8    const app = express();
  9    app.use(cors());
 10
 11    // for parsing application/json
 12    app.use(bodyParser.json());
 13    // for parsing application/xwww-
 14    app.use(bodyParser.urlencoded({ extended: true }));
 15
 16    // Define routes
 17    app.use("/reclamatii", messagesRouter);
 18
 19    const port = process.env.PORT || 8080;
 20
 21  ∨ app.listen(port, () => {
 22        console.log(`Cloud computing app listening on port ${port}!`)
 23    });
 24
```

Realizarea bazei de date in google cloud:

Introducerea numelui de utilizator si a parolei:

Schimbarea ip-ului:

Connections

You can use the Cloud SQL Proxy for extra security with either option. Learn more

Instance IP assignment

☐ **Private IP**
Assigns an internal, Google-hosted VPC IP address. Requires additional APIs and permissions. Can't be disabled once enabled. Learn more

☑ **Public IP**
Assigns an external, internet-accessible IP address. Requires using an authorized network or the Cloud SQL Proxy to connect to this instance. Learn more

Authorized networks

You can specify CIDR ranges to allow IP addresses in those ranges to access your instance. Learn more

Work (213.233.110.194)   ⌄

ADD NETWORK

App Engine authorization

All apps in this project are authorized by default. You can use Cloud IAM to authorize apps in other projects. Learn more

[SAVE]   DISCARD CHANGES

Uploads and My First Project operations   ⌄

✔ Edited cc-cms   1:31:34 PM GMT+3
✔ Created cc-cms   12:30:39 PM GMT+3

Realizarea conexiunii cu baza de date din Google Cloud, crearea tabelei si popularea acesteia in MySQL WorkBench:

Tabela reclamatii contine un id, care este cheie primara si se auto-incrementeaza,

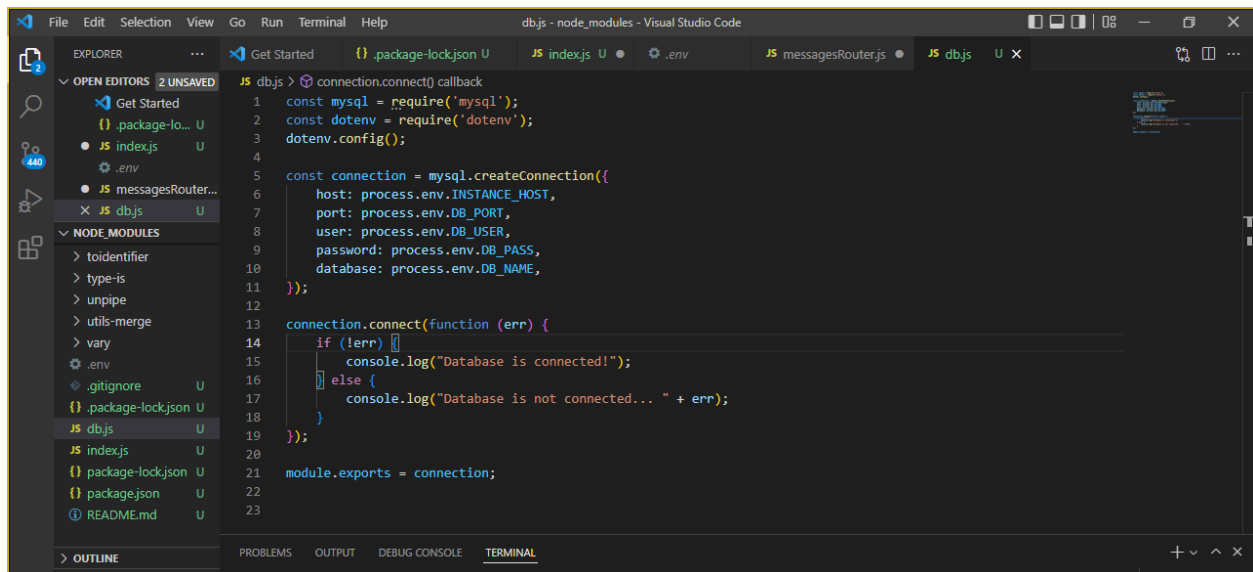Numele reclamantului, mail-ul reclamantului, mail-ul angajatului care se ocupa de reclamatii si reclamatia.

Captura din fisierul env:
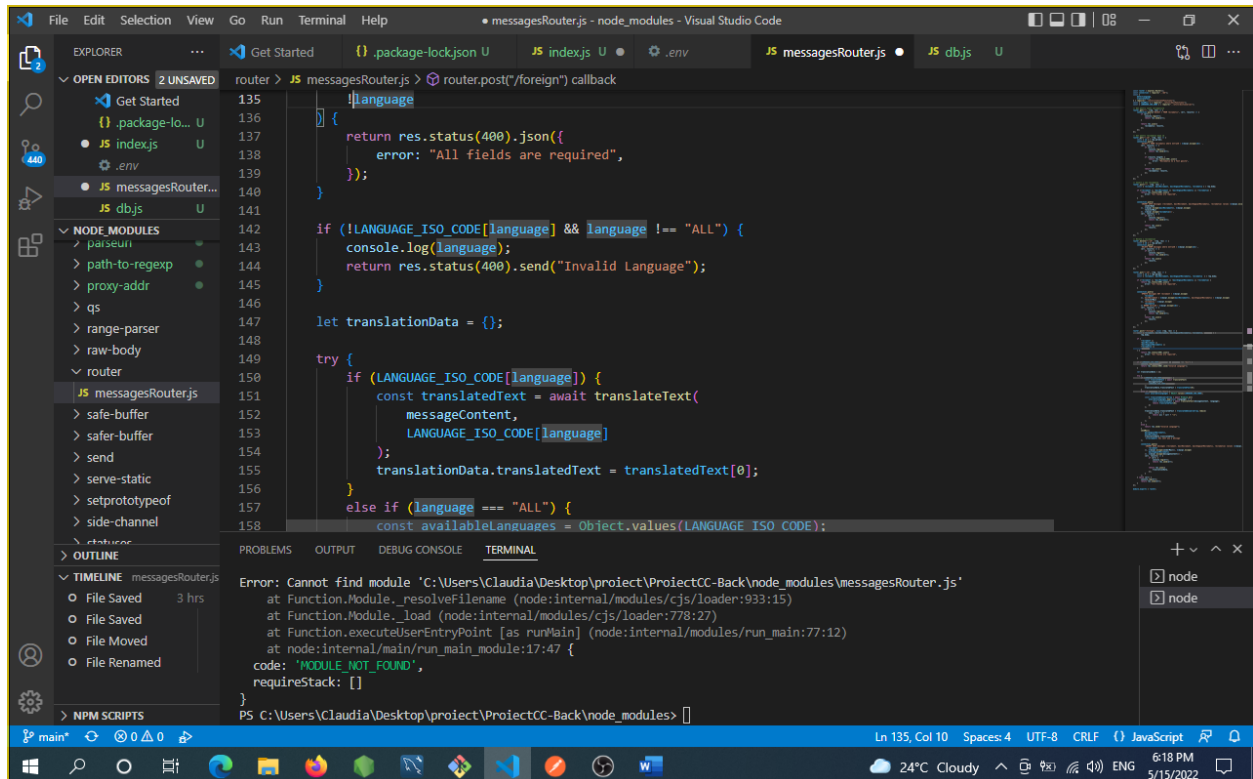
Fisierul db, in care am realizat conexiunea, prin intermediul fisierului de tip .env:

In fisierul messagesRouter am realizat functiile necesare pentru a afisa toate reclamatiile, reclamatiile dupa id, pentru a introduce si a sterge o noua reclamatie, pentru a traduce in diferite limbi reclamatiile introduse.
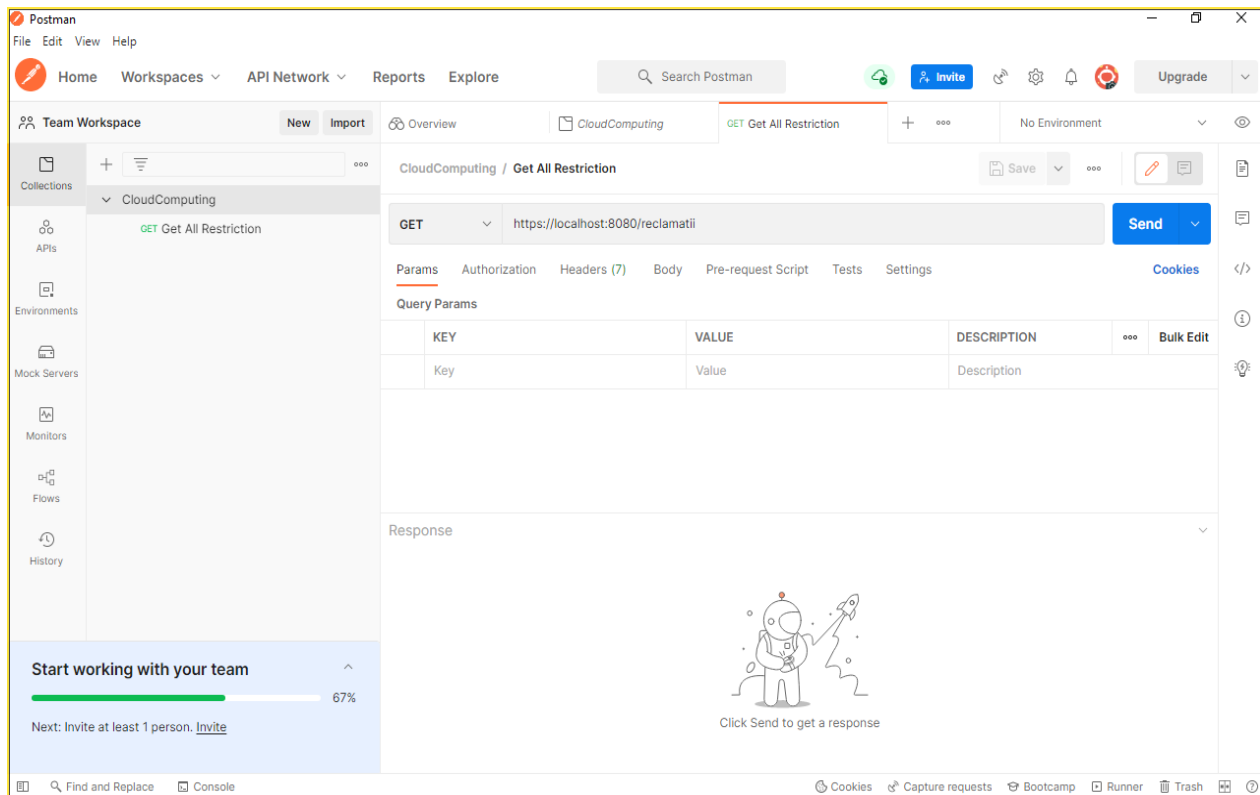
Crearea unei conexiuni in Postman in localhost, denumita CloudComputing.

Resurse:

- ☐ Cont GitHub (sau altă platformă asemănătoare)
- ☐ Visual Studio Code (sau alt editor)
- ☐ Postman - https://www.postman.com/downloads/
- ☐ MySQL Workbench - https://dev.mysql.com/downloads/workbench/ (setări default)
- ☐ NodeJS - https://nodejs.org/en/download/
- ☐ Git - https://git-scm.com/downloads
- ☐ Google Cloud Platfom Account - https://cloud.google.com/ (gratuit, 300$ free usage credit, cere o validare a unui card de credit dar nu percepe costuri suplimentare decât în cazul unui upgrade)
- ☐ Heroku Account - https://signup.heroku.com/dc - Free
- ☐ Heroku CLI - https://devcenter.heroku.com/articles/heroku-cli - Install with an Installer
- ☐ AWS Account - https://aws.amazon.com/cloud9/ - presupune mai mulți pași de verificare dar nu ar trebui să provoace probleme. Dacă îl folosiți pe viitor, aveți grijă să alegeți doar opțiunile free pentru a nu produce costuri suplimentare neprevăzute

Link catre repository-ul din git: https://github.com/claudiaboerescu/ProiectCC-Back

Link catre video:

https://drive.google.com/file/d/1-f-_7jULN4EO4oMlIQ46JC3l2cYT9qK8/view?usp=sharing