Deploy MyTaxGuider

📑 Table of Contents

🎯 Project Description

A web based **Tax Management App** built with *MySQL*, *Express*, *React* and *Node*

1. Front-end

- React
- Axios
- Bootstrap
- HTML & CSS

1. Back-end

- Node
- Express
- MySQL
- JSON Web Tokens

✅ Instruction manual for compiling

1. Rename the .env.example file to .env and fill with your environment variables.

```
DB_HOST= <your database server>
DB_PORT= <your database server port>
DB_USER= <your database server user>
DB_DATABASE= <your database server databse>
DB_PASSWORD= <your database server database password>
```

```
JWT_SECRET= <your jwt encryption key>
JWT_LIFETIME= <your jwt lifetime>

PORT= <your port that node-express server listens to>
```

- Keys Generator

2. Install back-end dependencies

```
npm install
```

3. Install front-end dependencies

```
npm run install-client
```

Development Mode (Client-Server at same time)

```
npm start
```

- client will open at http://localhost:3000
- server will open at http://localhost:PORT

Development Mode (Client only)

```
npm run client
```

Development Mode (Server only)

```
npm run server
```

📌 Our Deployment strategy

🚀 **Demo**🚀

Client

As staticly served by the back-end server.

```
app.get('*', (req, res) => {
    res.sendFile(path.resolve(__dirname, './client/build', 'index.html'))
})
```

Server

- Hosted by **heroku**

Database

- Hosted by **freemysqlhosting** (✨ *5mb free MySQL solution*)

🚀 Deploy To Heroku

1. install heroku cli
2. heroku login
3.

```
rm -rf .git
git init
git add .
git commit -m "first commit"
```

4.

```
heroku create nameOfTheApp
```

5. add env variables using heroku nameOfTheApp settings
6.

```
git remote -v
git push heroku main/master
```