

Deploy MyTaxGuider



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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 statically 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
```