

REST API

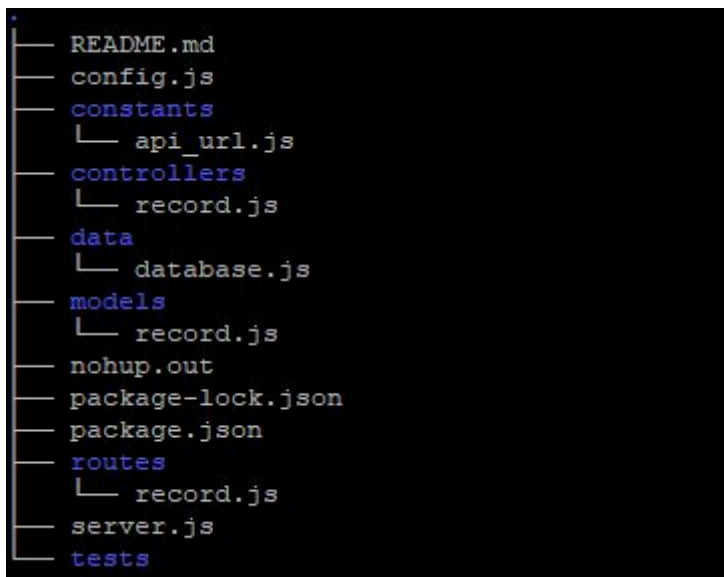
The application is deployed on Amazon AWS. URL is below:

POST <http://18.197.35.166:8000/api/v1/records>

This API only handle HTTP POST requests. The application is implemented on Ubuntu.

- NodeJS

For implementing REST API. The app has folder structure like below.



```
— README.md
— config.js
— constants
  └─ api_url.js
— controllers
  └─ record.js
— data
  └─ database.js
— models
  └─ record.js
— nohup.out
— package-lock.json
— package.json
— routes
  └─ record.js
— server.js
— tests
```

- Express Framework

It is a web application framework for Node.js. It has support for routing etc.

- MongoDB

This DB has all datas, it used for getting data after HTTP POST request.

- Mongoose

Object Document Mapping or ODM tool for Node.js and MongoDB.

- HTTP Methods

Used only POST Method. Sample request and response like below.

```
1 {
2   "startDate": "2016-01-26",
3   "endDate": "2018-02-02",
4   "minCount": 2999,
5   "maxCount": 3000
6 }
```

200 OK 361.72 ms

COPY SAVE SOURCE VIEW DATA TABLE

```
{
  -"records": Array[261] ...
  "code": 0,
  "msg": "success"
}
```

200 (OK)

400 (Bad Request)

500 (Internal Server Error)

These HTTP Status Codes are used.

- GIT

Version control system for tracking changes in computer files.

- GitHub

My github repository : <https://github.com/kerimozturk/>

- Amazon AWS

*The api deployed on Amazon AWS ec2 with t2.micro instance and 8gb SSD.
Operating System is Ubuntu 18.04 LTS.*

- Ubuntu

18.04 LTS

- *VI editor : For editing codes.*

- Putty

For connecting from Windows OS to Ubuntu OS on working Amazon AWS instance.

- WinSCP

For file transfer between two Operating Systems.