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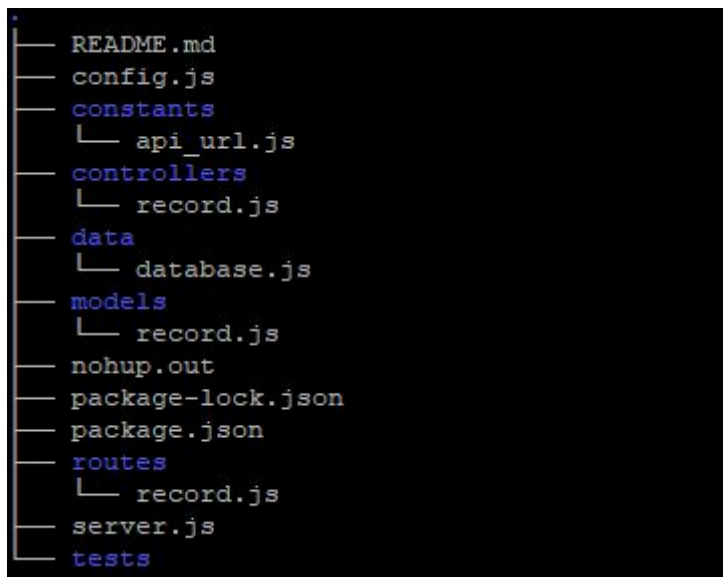
The application is deployed on Amazon AWS. URL is below:

 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.
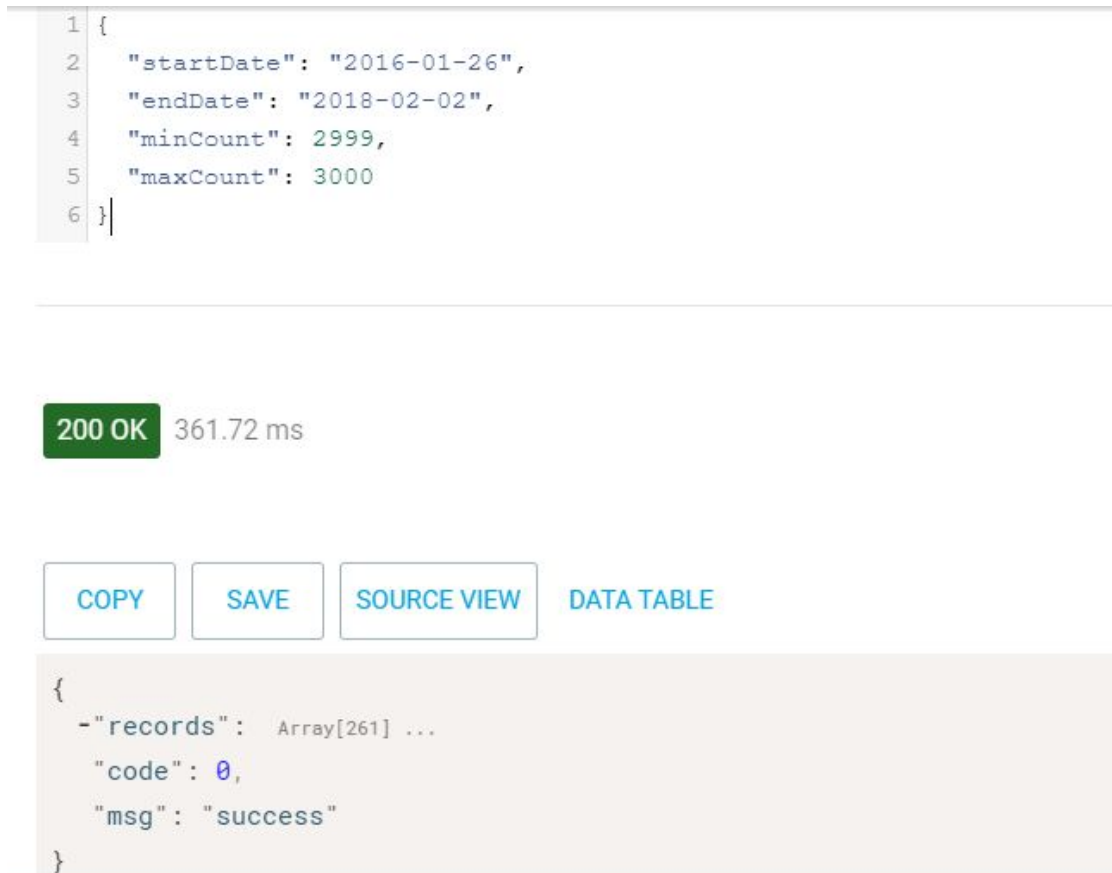
- ● MongoDB

  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.

- Advanced Rest Client

  Advanced REST Client API is used to test the REST API.