Creating a RESTful API using express.js and creating a database and index in MongoDB

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source code:

index.js file:

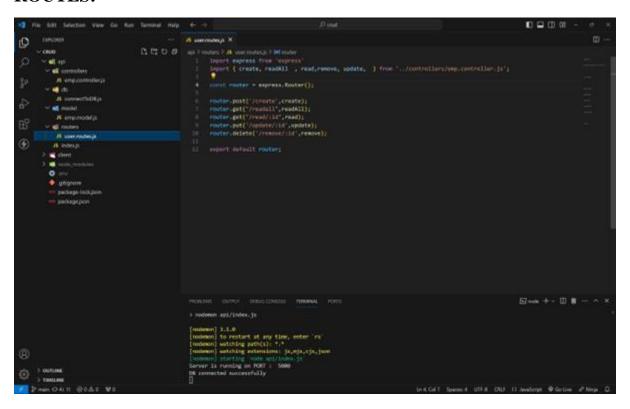
```
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```

MONGODB CONNECTION:

```
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```

MODEL:

ROUTES:



CONTROLLERS:

CREATE:

READ ALL:

```
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```

READ ONE:

UPDATE:

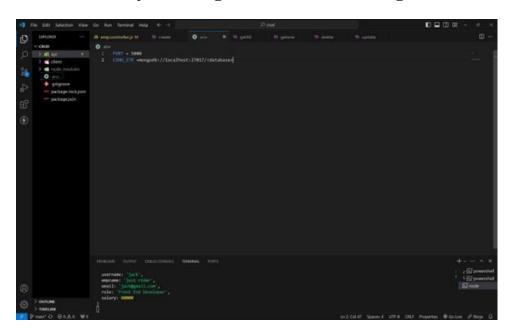
```
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```

DELETE:

HOW TO RUN ON LOCALLY:

- 1 . Create a folder as any name.
- 2 . Open that folder in any code editor (vs code).
- 3 . Open terminal ($ctrl + \sim$) on code editor.
- 4 . Type this code to get code locally.
- 5 . Now move to crud folder (cd crud in terminal)
- 6 . Ignore client folder.
- 7 . Here crud is root folder.
- 8 . In root folder create a .env file and create a PORT and
- 9 CONN_STR variables and assign value.

ex: PORT = 3000 (commonly any number between 3000 - 8080). CONN_STR = your mongodb_connection_string.



--- trouble in above process?: simply

paste this code in .env file.

10. After in terminal (in crud folder as root folder) type this command to run server.

npm i (installing all dependencies) npm

run dev (to run server)

11. if you get below message in terminal then your server will running successfully.

```
PS C:\Users\4727y\OneDrive\Desktop\internshala\crud> npm run dev

> crud@1.0.0 dev
> nodemon api/index.js

[nodemon] 3.1.0
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node api/index.js`
Server is running on PORT : 5000
DB connected successfully
```

route and its functionality:

For this use any API using tools like Postman or Thunder Client.

i use THUNDER CLIENT.

CREATE ROUTE:

1. This route is used to create a new employee in database with a below fields.

username, empname, email, role, salary

2 . in thunder client click on new request and select this options method as post url as http://localhost:5000/api/user/create pass

this json data as a body as your required value.

```
{
"username": "jack",
"empname": "jack rider",
"email": "jack@gmail.com",
"role": "Front End Developer",
"salary": 60000
```

}

3 . finally press send to insert data in mongodb data base and get a inserted data as a

response.

4 . If user is already in db it will return User is already exist as response. for more details visit below output images...

READ ONE:

1. This route is used to read specific user info by passing that user id as a param. method

as get

url as http://localhost:5000/api/user/read/65ed7b3d76e1dcc9a51654ca

2. After sending you will get that specific user details as response.

READ ALL:

1. Read all route is used to get all the user data existing in the mongodb data base.

method as get url as

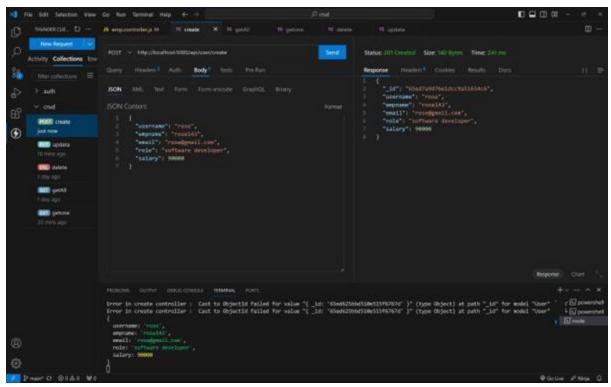
http://localhost:5000/api/user/readall

2 . After sending you will get that all user details as response.

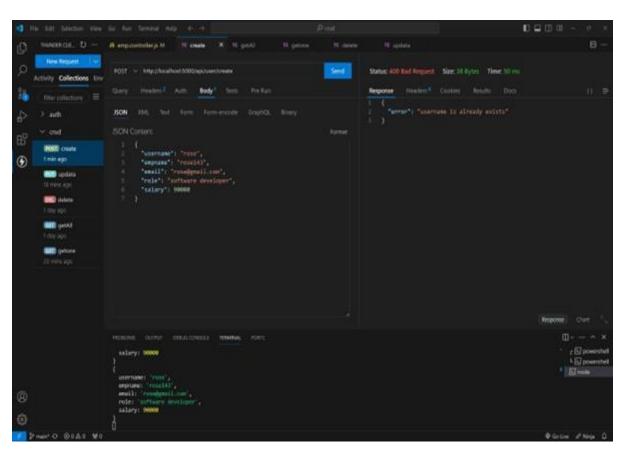
UPDATE:

1. This route is used to update specific user by passing that user id as

a param. method
as put
url as http://localhost:5000/api/user/update/65ed7b3d76e1dcc9a51654ca
2 . After sending you will get updated user details as response.
DELETE:
1 . This route is used to delete specific user by passing that user id as a param. method as
delete
url as http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca
2 . After sending you will deleted successfully as response.
OUTPUT:
CREATE A NEW USER:



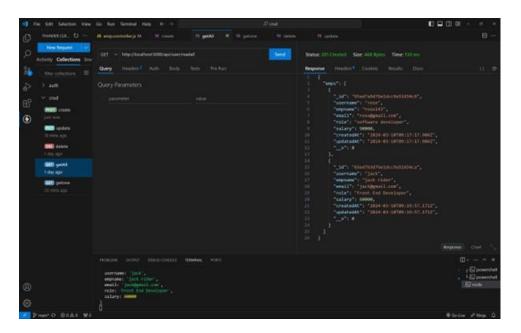
CREATING USER WITH EXISTING USERNAME:



READ ONE:

```
| The State State Name | State | State
```

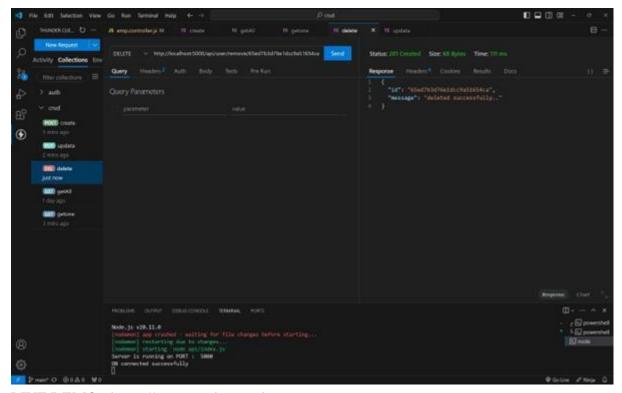
READ ALL:



UPDATE:

```
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```

DELETE:



LIVE DEMO: https://yesu-crud.onrender.com