

Introduction to REST

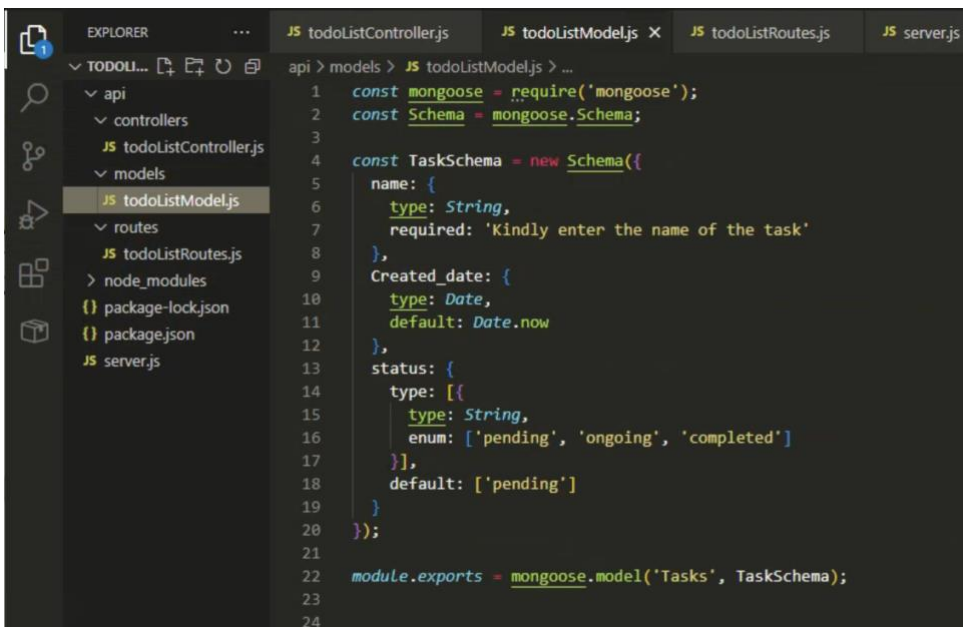
This is number 6 out of 6 weekly tasks

This is part of your assessment. It is worth up to 5%, append it to your report.

You will need to work through the slides (from slide 23) from today building the RESTful API shown in the lecture. Work from the beginning documenting the various states as follows:
(you will need to follow the slides to make sure you are installing the necessary modules)

Below are the **4 screen shots you need to provide** for this week

1) Your model code

A screenshot of a code editor (VS Code) showing the file explorer on the left with a project structure including 'api', 'controllers', 'models', 'routes', and 'node_modules'. The main editor window displays the code for 'todoListModel.js'. The code defines a Mongoose schema for 'Tasks' with fields for 'name' (String, required), 'Created_date' (Date, default: Date.now), and 'status' (enum with values 'pending', 'ongoing', 'completed', default: 'pending'). The schema is then registered with Mongoose.

```
1 const mongoose = require('mongoose');
2 const Schema = mongoose.Schema;
3
4 const TaskSchema = new Schema({
5   name: {
6     type: String,
7     required: 'Kindly enter the name of the task'
8   },
9   Created_date: {
10    type: Date,
11    default: Date.now
12  },
13  status: {
14    type: [{
15      type: String,
16      enum: ['pending', 'ongoing', 'completed']
17    }],
18    default: ['pending']
19  }
20 });
21
22 module.exports = mongoose.model('Tasks', TaskSchema);
23
24
```

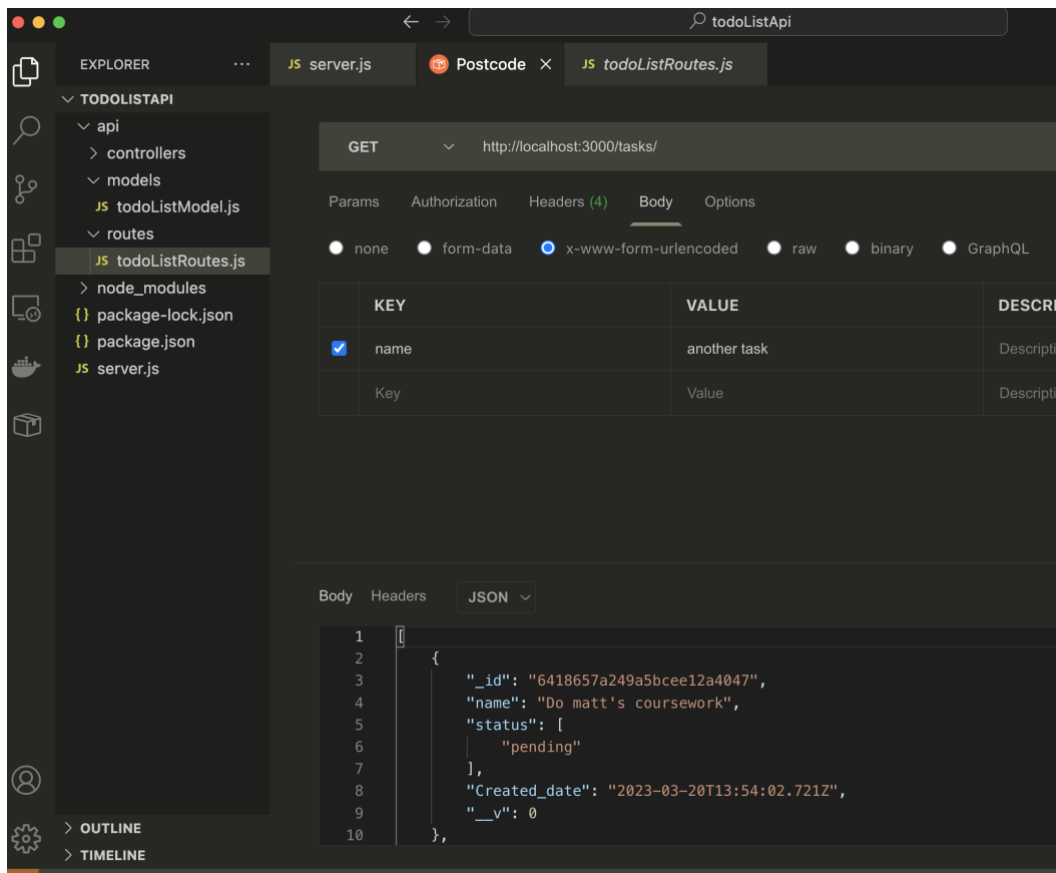
2) Your server running on with Nodemon on Port 3000

A screenshot of a terminal window showing the command to start the application with Nodemon. The output shows Nodemon version 2.0.15, the paths it is watching, and the message 'todo list RESTful API server started on: 3000'.

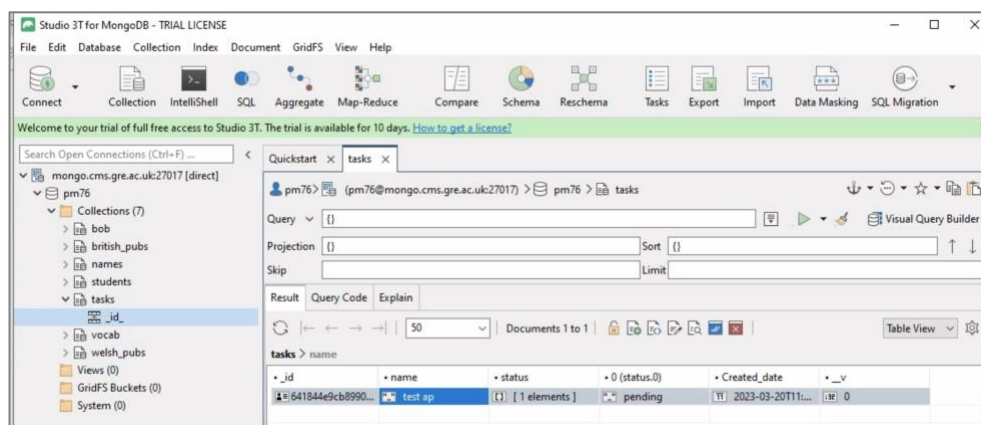
```
> todolistapi@1.0.0 start
> nodemon server.js

[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node server.js`
todo list RESTful API server started on: 3000
```

3) Your API connected in Postcode showing some data from your database



4) Your data in your mongoDB, either the University one or your localhost one



There is a fair bit here, try and get as far as you can with it, also provide a 200-250 word write up as usual.