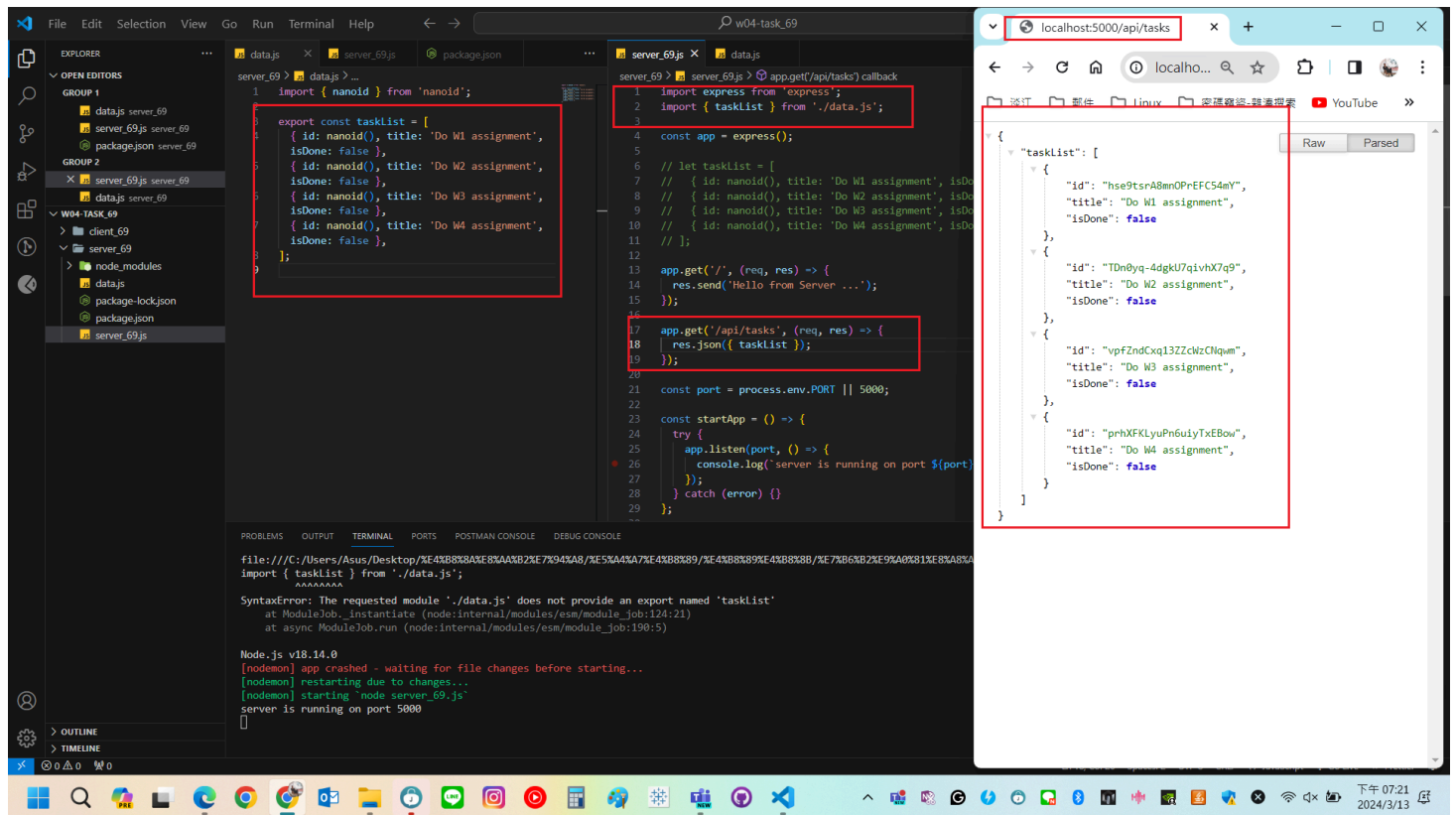


## W4-P1: Server: implement GET /api/tasks



1cb9969 htchung Wed Mar 13 18:58:29 2024 +0800 W4-P1: Server: implement GET /api/tasks

## W4-P2: Server: implement POST /api/tasks

The image shows a development environment with VS Code on the left and Postman on the right.

**VS Code (Left):** The file explorer shows a project structure with a `server_69.js` file. The code in `server_69.js` is as follows:

```
14 if (process.env.NODE_ENV !== 'production') {
15   app.use(morgan('dev'));
16 }
17 app.use(cors());
18 app.use(express.json());
19 app.use(morgan('dev'));
20
21 app.get('/', (req, res) => {
22   res.send('Hello from Server ...');
23 });
24
25 app.get('/api/tasks', (req, res) => {
26   res.json(taskList);
27 });
28
29 app.post('/api/tasks', (req, res) => {
30   const { title } = req.body;
31   if (!title) {
32     res.status(400).json({ msg: 'Please provide title' });
33   }
34   const newTask = { id: nanoid(), title, isDone: false };
35   taskList = [...taskList, newTask];
36   res.json({ task: newTask });
37 });
38
39 const port = process.env.PORT || 5000;
40
41 const startApp = () => {
42   try {
```

**Postman (Right):** The Postman interface shows a collection named "1122-wp2-2N" with a request named "post tasks". The request is a POST to `http://localhost:5000/api/tasks`. The body is set to "JSON" and contains the following JSON:

```
{
  "title": "Do W5 assignment"
}
```

The response is shown in the "Body" tab, displaying a JSON object:

```
{
  "task": {
    "id": "xpsHuXf5FD7SBoKEGsCcu",
    "title": "Do W5 assignment",
    "isDone": false
  }
}
```

330d441 htchung Wed Mar 13 20:57:15 2024 +0800 W4-P2: Server: implement POST /api/tasks

## W4-P3: Server: implement PATCH /api/tasks/:id

The screenshot displays the development environment for implementing the PATCH /api/tasks/:id endpoint. On the left, the VS Code editor shows the `server_69.js` file with the following code:

```
21 app.get('/', (req, res) => {
22   res.send('Hello from Server ...');
23 });
24
25 app.get('/api/tasks', (req, res) => {
26   res.json(tasklist);
27 });
28
29 app.post('/api/tasks', (req, res) => {
30   const { title } = req.body;
31   if (!title) {
32     res.status(400).json({ msg: 'Please provide title' });
33   }
34   const newTask = { id: nanoid(), title, isDone: false };
35   tasklist = [...tasklist, newTask];
36   res.json({ task: newTask });
37 });
38
39 app.patch('/api/tasks/:id', (req, res) => {
40   const { id } = req.params;
41   const { isDone } = req.body;
42   tasklist = tasklist.map(item => {
43     if (item.id === id) {
44       return { ...item, isDone };
45     }
46     return item;
47   });
48   res.json({ msg: 'task updated' });
49 });
```

The terminal window shows the server running on port 5000 and the following API calls:

```
GET /api/tasks 200 0.301 ms - 306
GET /api/tasks 200 0.164 ms - 306
GET /api/tasks 200 0.164 ms - 306
[nodemon] restarting due to changes...
[nodemon] starting "node server_69.js"
server is running on port 5000
POST /api/tasks 200 1.735 ms - 81
GET /api/tasks 200 0.368 ms - 379
GET /api/tasks 200 0.368 ms - 379
PATCH /api/tasks/UUVjy0Gj9nJp8f0C_aUw1 200 0.382 ms - 22
PATCH /api/tasks/UUVjy0Gj9nJp8f0C_aUw1 200 0.382 ms - 22
GET /api/tasks 200 0.174 ms - 378
```

On the right, the Postman interface shows a collection named "1122-wp2-2N" with a request named "get tasks". The request is a GET method to `http://localhost:5000/api/tasks`. The response body is shown in JSON format:

```
{
  "id": "CtiRjKHUPNb2XrdylDr-2",
  "title": "Do W3 assignment",
  "isDone": false
},
{
  "id": "Ujo6LmofSivQdEkG4_Gh3",
  "title": "Do W4 assignment",
  "isDone": false
},
{
  "id": "UUVjy0Gj9nJp8f0C_aUw1",
  "title": "Do W5 assignment",
  "isDone": true
}
```

bf5be39 htchung Wed Mar 13 21:38:16 2024 +0800 W4-P3: Server: implement PATCH /api/tasks/:id

# W4-All logs

main

All users

All time

Commits on Mar 13, 2024

W4-P3: Server: implement PATCH /api/tasks/:id

Alex718296 committed 1 hour ago

f937d8e

<>

### W4-P2: Server: implement POST /api/tasks

Alex718296 committed 1 hour ago

e18ae69

<>

W4-P1: Server: implement GET /api/tasks

Alex718296 committed 4 hours ago

ef63933

<>

Commits on Mar 6, 2024