

Back-end Coding Exercise

Create a simple REST API in Node.js using Express web framework. You may use NestJs if you can.

Use of Typescript is must

Guidelines:

1. You can use any database (mongodb, dynamodb, MYSQL, Postgres) or redis, whichever is easier but not arrays.
2. You must not hard-code any data.
3. All inputs and outputs are JSON data.
4. Proper validations should be handled.
5. You must share your code in a public GitHub repository only.
6. You shouldn't spend more than 90 minutes on this exercise.
7. Make sure that all the endpoints are gated and authenticated.

Requirement:

Following routes are to be implemented.

POST /register

Body: { email: "[user@domain.com](#)", password: "password" }

Returns: { user: { id: 1, email: "[user@domain.com](#)" } }

POST /login

Body: { email: "[user@domain.com](#)", password: "password" }

Returns: { jwt: "JWT" }

GET /user

Headers: Authorization: Bearer <JWT>

Returns: { user: { id: 1, email: "[user@domain.com](#)" } }

POST /create-task

Headers: Authorization: Bearer <JWT>

Body: { name: "Task name" }

Returns: { task: { id: 1, name: "Task name" } }

GET /list-tasks

Headers: Authorization: Bearer <JWT>

Returns: { tasks: [{ id: 1, name: "Task name" }, { id: 2, name: "Second task" }] }