

Time Limit - 2 Hours

Your task is to build a simple stateless microservice in Node Js, with three major functionalities -

- Authentication
- Authorization
- CRUD operations

We have no requirements for which frameworks/libraries/database to use, choose whichever seems best suited for the task!

Required Endpoints

The API should feature the following endpoint functionality -

Public Endpoints

- Login Request body should contain an arbitrary username/password pair. Treat it as a mock authentication service and accept any username/password. Return a signed Json Web Token(JWT, <https://jwt.io/>) which can be used to validate future requests.

Protected Endpoints

The following endpoints should be protected. The JWT obtained in the “Login” endpoint must be attached to each request. If the JWT is missing or invalid, these endpoints should reject the request.

- Admin Users can create/read/update/delete posts. The post should be less than 255 chars.
- Students can only read those posts. There can be a huge number of posts. So, use pagination to handle it.

General Requirements

Code Requirements

- API should reject invalid request inputs. Test the edge cases!
- Use modern javascript ES6 syntax.

Other Requirements

- Use Git for version control, and host the project in a Github repository.
- Project should contain documentation with setup and usage instructions.
- Project should install all dependencies with “npm install”, and should start the server with “npm start”.

After completing it, please push it to GitHub and share the GitHub link with the recruiting team