



Backend Developer Assignment

Assignment: As a backend developer, You will be working on an LMS (Learning Management System) product, your task for today is to build the basic user authentication endpoints using Node.js and MongoDB.

Steps:

1. Create a new Node.js project.
2. Set up a MongoDB database connection.
3. Create an API endpoint for registering a new user with the following fields: name, email, and password.
4. Implement error handling for duplicate emails or missing required fields.
5. Create an API endpoint for logging in a user with their email and password.
6. Generate and return a JWT token upon successful login to authenticate subsequent requests from the same user.
7. Implement error handling if invalid credentials are provided.

Expected output: You should be able to register new users and authenticate existing ones by generating a JWT token after they provide valid credentials.

Additional instructions:

- Use best practices when writing code, including proper file structuring, clear naming conventions, etc.
- Use npm packages such as express.js and mongoose where necessary
- Add comments wherever you feel it's necessary
- Send all code files together in zipped format through Email or cloud-based storage

Best of luck!

