

NodeJS Test – App: Music Lessons

DESCRIPTION

A new customer wants to put in running a new app so that people who want learn about music can do it virtually and following a series of lessons from you mobile.

They have defined that the site must have the following characteristics:

1. People who wish to have access to the content must be able to authenticate in the system with an email and password.
2. When the person log in into the application, they will be able to see the contents music lessons available in the system and you can consult each one of the lessons. (The lesson will have: title, description and status)
3. The person will can to add notes to each of the lessons.
4. The person will can to delete your notes to each of the lessons.
5. The person can mark each of their lessons as “In review”, “Completed”, “Pending”, the default status being each lesson is "Pending".

API REST

Build a simple REST API with the necessary endpoints to accomplish a music lessons app using NodeJs according to the requirements.

You will need to create the following endpoints:

- Endpoint to authenticate into app
- Endpoint to get the list of lessons of the user.
- Endpoint to add notes to your lessons
- Endpoint to get the list of notes by lesson
- Endpoint to delete notes to your lessons
- Endpoint to change the lessons status

Use a Postgresql or MySQL database to store the information.

Note: Users and lessons information must be registered by default in the database, it is not necessary to create endpoints.

DESIGN RULES

All request and responses must be in JSON format.

The API calls should be secured using token-based authentication (JWT)

The focus of the test should be the business logic and the overall architecture design. You can use ORM of your choice to connect to the database.

DELIVERABLES

- Complete source code and script of database in a public repository on github, gitlab, bitbucket *(required)*
- Sample credentials for an user *(required)*