

**Congratulations! You make it to the next stage of our recruitment process 😊 Below you will find the instructions for the task.**

**Good luck!**

LeoVegas NodeJS Developer API test

Your task is to create a RESTful API that can be used to create, read, update, and delete users.

The User model should have these members:

JavaScript

```
// User Model
{
  "name": "John Doe",
  "email": "johndoe@example.com",
  "password": "password",
  "role": "USER"
  "access_token": "..."
```

- Users have roles; USER or ADMIN
- USER can view their own details
- USER can update their own details
- ADMIN can get users
- ADMIN user can update role and details of other users
- ADMIN can delete users
- No role can delete themselves
- USERS attempting to view things they are not allowed to do should see the correct status code
- ADMINS attempting to do things to non-existent users should see the correct status codes

You should use Node.js and TypeScript to create the API.

Use whichever framework you like.

You must also use a database such as MySQL or Elasticsearch to store the user data.

The API should follow HTTP/REST best practices.

The API must follow JSON:API specification.

The API must have validation.

You should also write unit tests to test the API. The unit tests should cover all of the possible scenarios, such as creating a new user, getting a user by id, updating a user, and deleting a user.