<u>LeoVegas NodeJS Developer API test</u>

The test requires the candidate to create a RESTful API that can be used to create, read, update, and delete users.

The User model should have these members:

```javascript
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

The candidate 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.

The candidate 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.