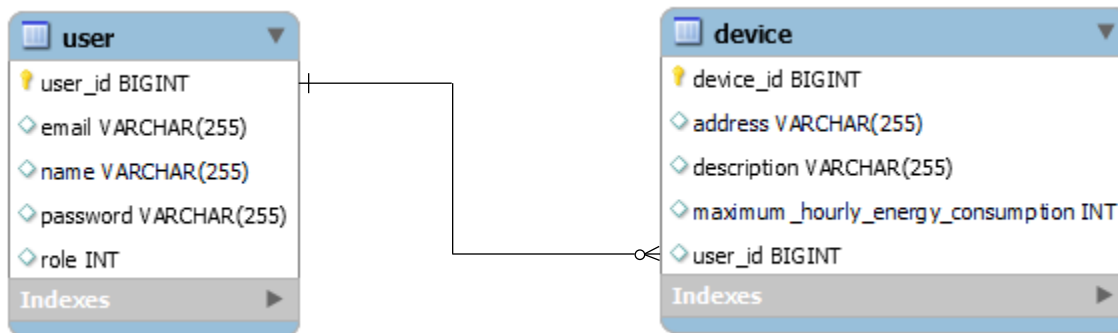


1. Database design

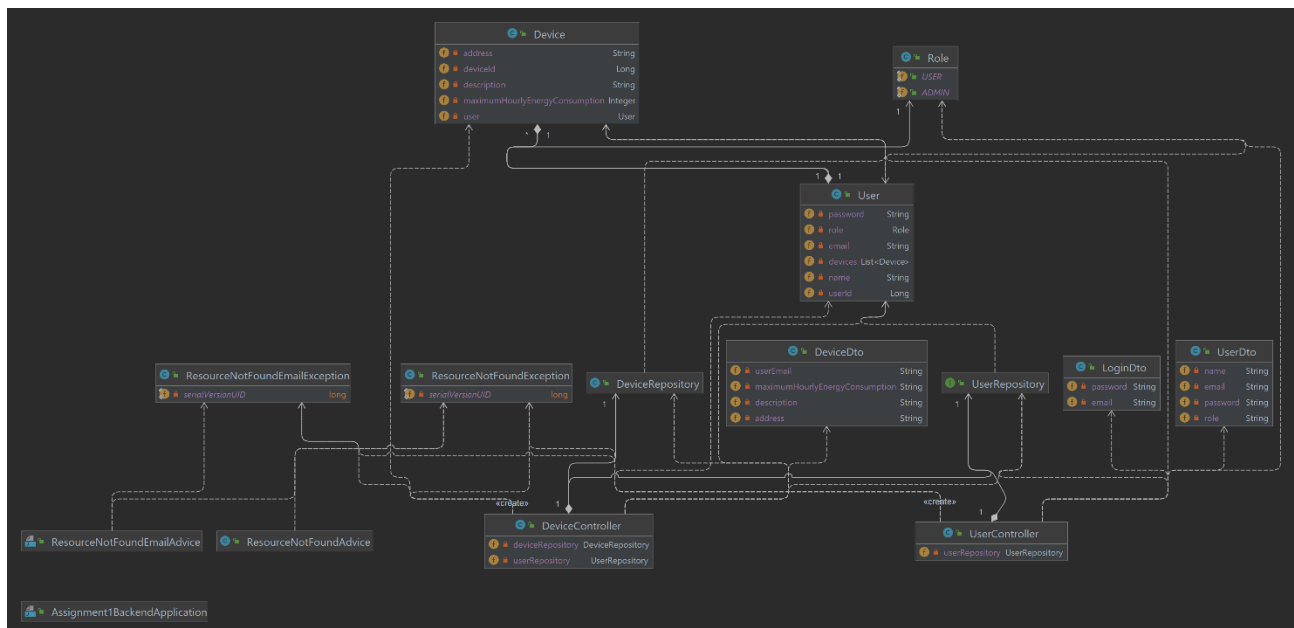
My database consists of only 2 tables (**user** and **device**) because I managed to implement the following requirements:

- Login for the users and redirecting to the page corresponding to their role
- Administrator:
 - o CRUD operations on users and devices
 - o User-devices mappings which is done at the same time with **create device** operation
- User:
 - o View all the associated devices

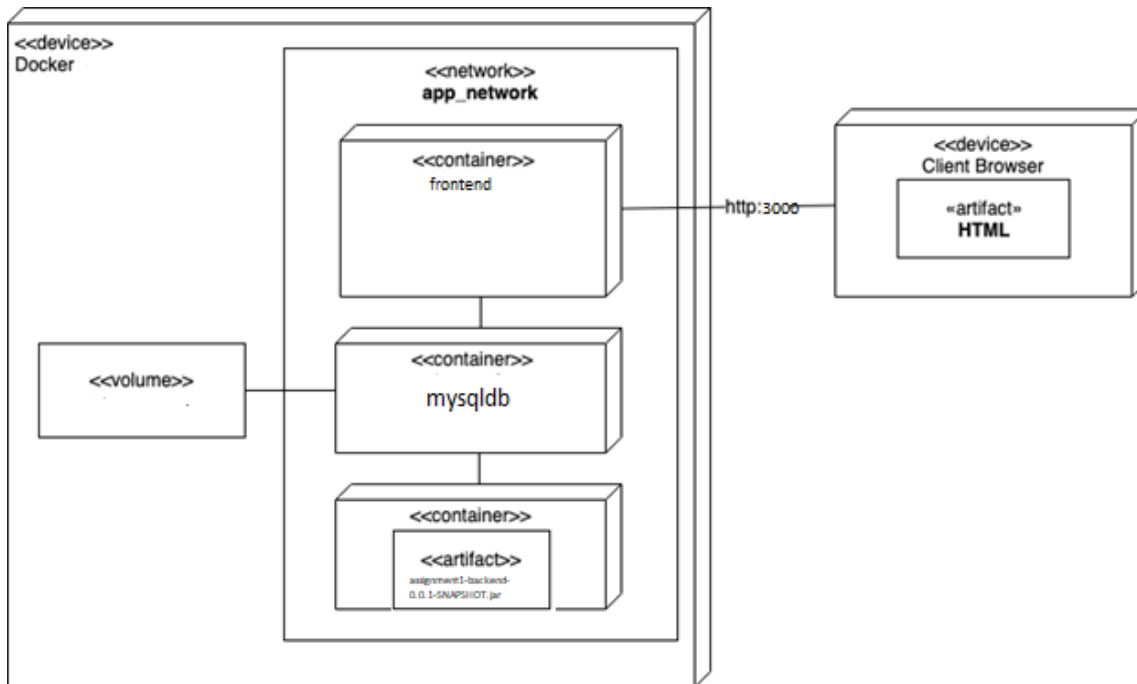
There is a **one-to-many** relationship between the users and devices because I believe that a user can have many devices, but a device can belong to only one user.



2. Class diagram



3. Deployment diagram



4. Application architecture

I used the following technologies: **Java Spring REST** as REST services for the backend application and **React** for client/frontend application.

