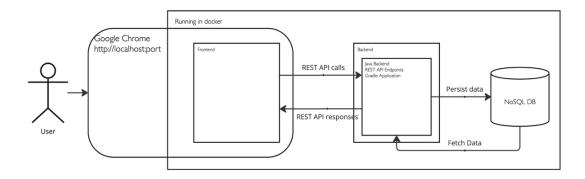
General file structure

The entire application will be running in docker and composed of containers for both front and backend. There will also be the database in an external file structure. The frontend and backend will manage the API calls and responses with each other and the backend will also be fetching data and submitting persistent data to the database.



Both ends will need a docker file and the general project needs a docker-compose file, to allow both to be run simultaneously, and essentially within its own virtual machine. The .env file in the front end will manage environment variables for react such as the ones that connect it to the backend. Backend will follow standard structure Aswell as the Docker file. And the README will contain instructions on how to run the project.

```
project-root/
frontend/
   - public/
    src/
    Dockerfile
                        # Dockerfile for the React app
                         # Environment variables for React
    package.json
                         # NPM package file for dependencies
backend/
    src/
      — main/
           - java/
                        # Java source code
           - resources/ # Application resources (e.g., application.properties
    build.gradle
    settings.gradle
    Dockerfile
docker-compose.yml
README.md
```