Dependencies:

Intellij Idea Community Edition:

* Spring boot v 3.2.0
* Java Developer Kit V 21.0.1
* Spring boot starter data mongoDB
* Spring boot starter validation
* Spring boot starter security
* Spring boot starter web
* Spring boot starter devtools
* Project lombok
* Javax validation

Vs Code:

* Need React, to get React you need to download Node.js onto your computer.
* Need axios
* Need Bootstrap
* Need react-bootstrap
* Need @fortawesome/react-fontawesome
* Need @fortawesome/free-solid-svg-icons
* Need react-router-dom
* Need @mui/matrial @emotion/react @emotion/styled
* Need Formik and Yup

The backend code is separated via packages to make it more easily readable. Lombok is used to reduce boilerplate code as it takes away the need to constantly write setters and getters.

Spring security is used for user security and to maintain privacy and security.

How to run:

The code download will require you to have all the necessary dependencies and require you to have the mongoDB database that has been linked to it.

Spring boot port is 8080

Reacts is 3000

I have configured a CORS configuration to allow it to work on different ports.

The mongoDB access login in

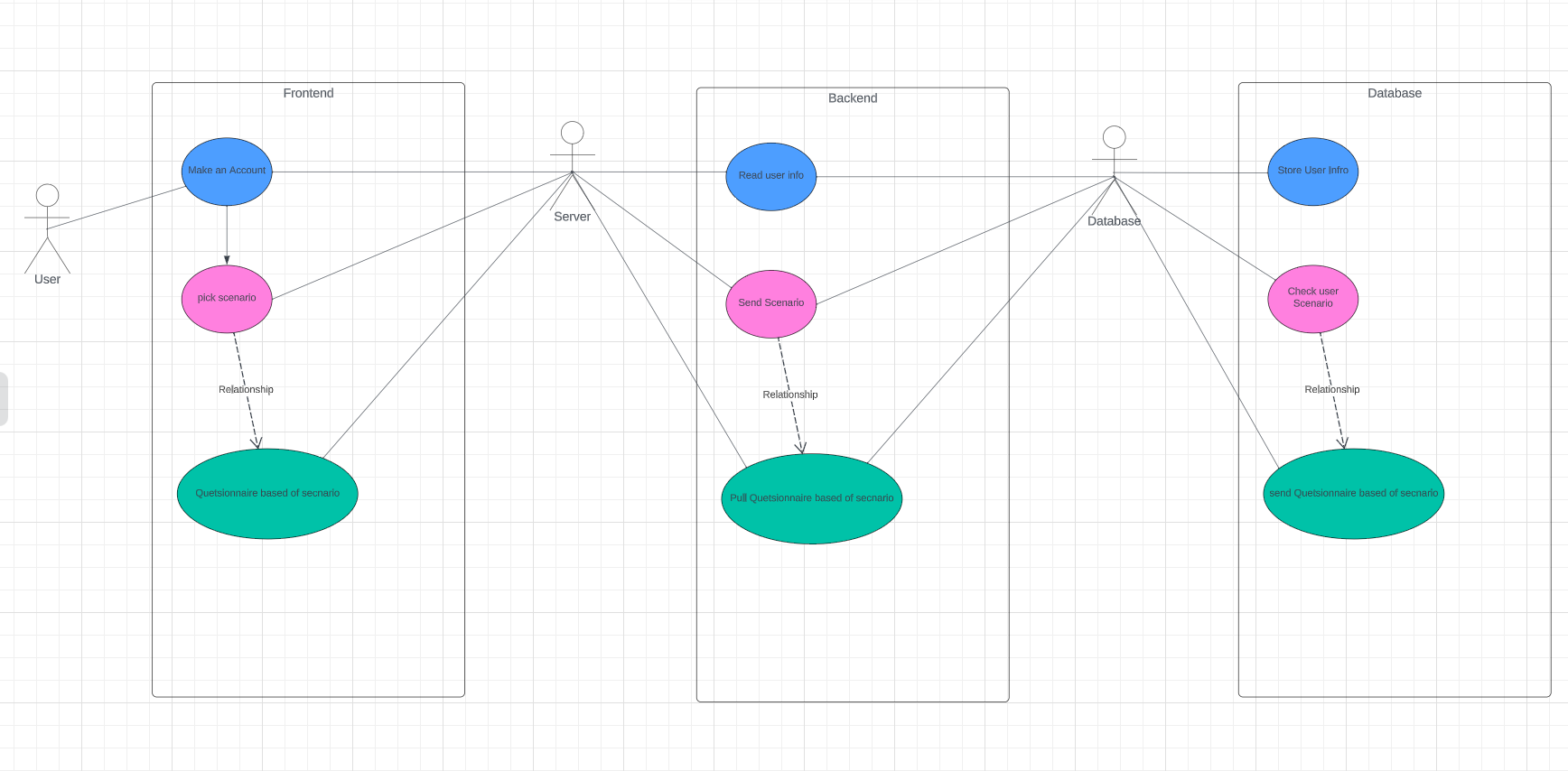
Username A1

Password yuTXoFDFHPeiCNVj

Mongo compass ID: [mongodb+srv://A1:yuTXoFDFHPeiCNVj@cluster0.yixpkhr.mongodb.net/](mailto:mongodb+srv://A1:yuTXoFDFHPeiCNVj@cluster0.yixpkhr.mongodb.net/)

Diagram

Use-case



The use case diagram shows the connections between the frontend backend and database. A user can create an account which lets them pick their family status, which then gives them the questionnaire based on the status they picked. This is done via a server connection with the API, that verifies and checks user information status and passes the correct questionnaire via the connection to the database.