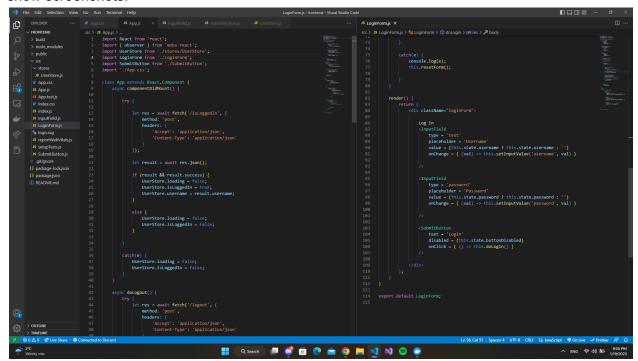
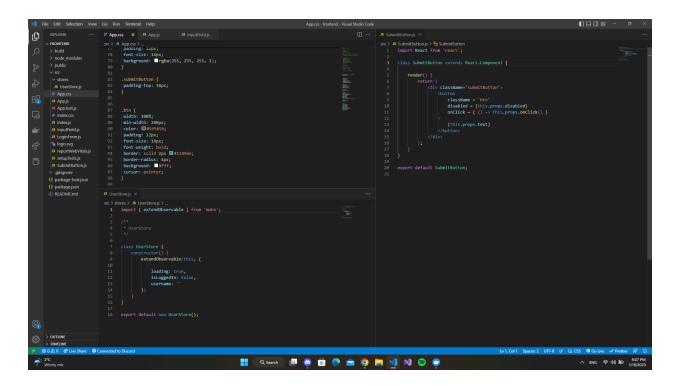
Anar Nuriyev ID 39472 Security Of Web Applications L1 Lab 11

Project name: Web Login Panel

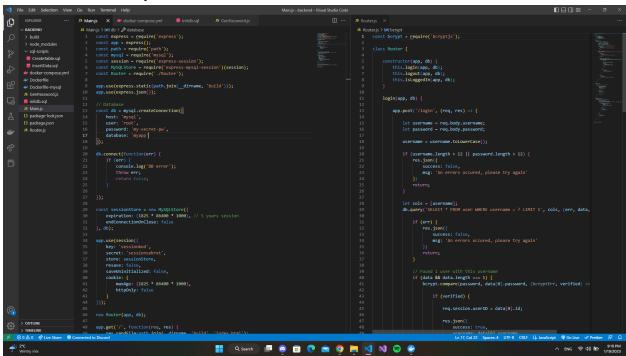
Used programming languages: React + Express + Node.js + MySQL

The Frontend part is already rendered in React before dockerizing my project so I can only show screenshots:

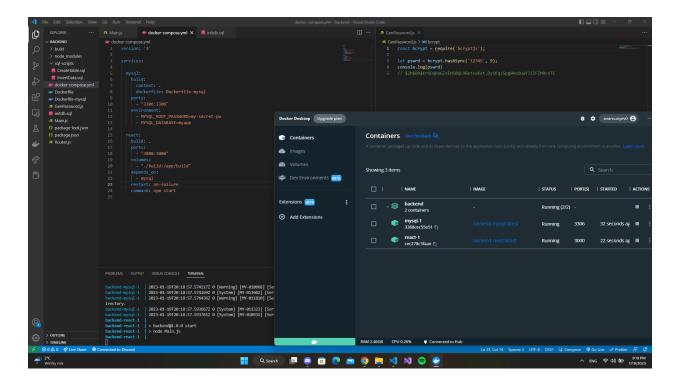




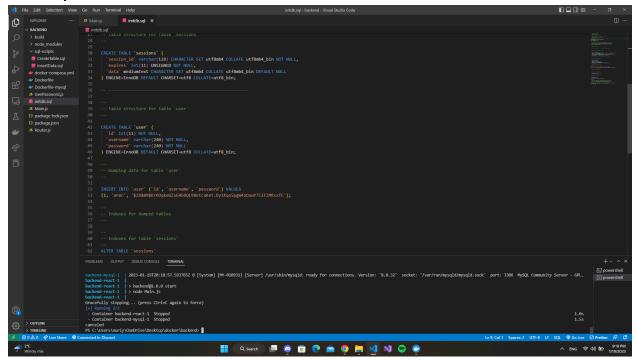
Here is the backend part:



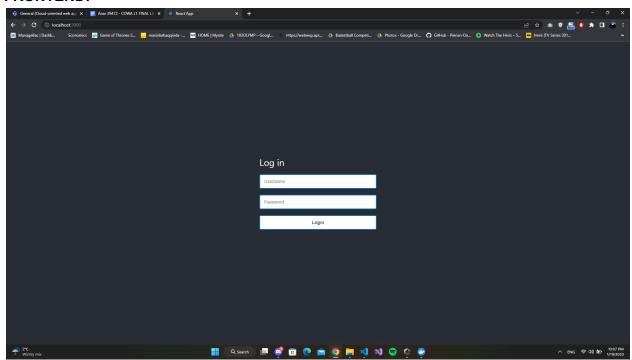
Code: docker-compose up



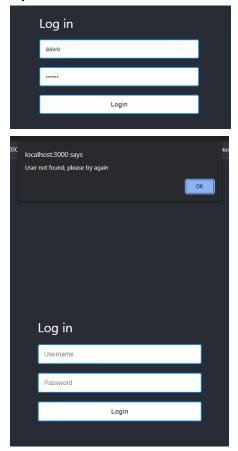
For the SQL part, I manually inserted my SQL tables and contents into my docker MYSQL. Thanks to the phpmyadmin! Because I exported my tables and data as an initdb.sql file.



FRONTEND:

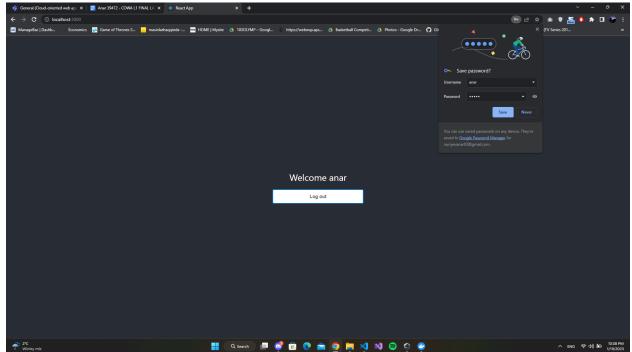


If you try to log in with the wrong username or password it will automatically reset all the inputboxes.



Username: anar Password: 12345

(if you check the user tables you can see that all passwords are encrypted)
Firstly I used bcrypt. But then I realised that bcrypt only works on Windows environment.
Because some library parts are written in C++. Then I updated my bcrypt library to the bcryptJS.



SESSION is live!!! So if you restart the MySQL (container or whole container) it always stays on this page if you already signed in. All the sessions will be saved in the client's chrome data (cookies) and the server's MySQL data. So data is secured in two ways.