



Factored Assessment

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This Project is separated between the Frontend and the Backend. The main idea is that it is necessary an app that shows the profile details of a user after this one is logged. The information of the user is name, email, position, and skills. Additionally, it shows an avatar according to the name of the user.

Backend:

It uses FastAPI as framework of Python and SQLAlchemy as the ORM to connect to the MySQL database. The database is dockerized. Additionally, it uses Pydantic for the declaration of schemas. Furthermore, the database can be accessed in the URL <http://localhost:8080> through the interface of PHP My admin with the credentials *user*: "root" and *password*: "password".

Steps to start the app:

1. Open the terminal on the root directory
2. You need to create a virtual environment, use the command `"python -m venv venv"`
3. Activate the virtual environment with `".\venv\Scripts\activate"`
4. Then, install the dependencies with `"pip install -r requirements.txt"`
5. After the installation is finished, it is needed to dockerize the project, then use the following command `"docker-compose up -d"`
6. At the end use `"uvicorn app.main:app"`
7. The backend should be running on: <http://localhost:8000/>

A repository can be found on GitHub: <https://github.com/Cefigueredo/backend-factored>

Frontend:

It uses React as framework of JavaScript.

Steps to start the app:

1. Open the terminal on the root directory
2. Write the command `"npm install"` to install all the dependencies
3. Run the project with the command `"npm start"`
4. The app should be running on: <http://localhost:3000/>

After the starting of the app, there are credentials to log into the app, these are:

Email: ce.figueredo@gmail.com

Password: password

A repository can be found on GitHub: <https://github.com/Cefigueredo/frontend-factored>

If you want to create another user, you can send a POST request to the backend in the URL <http://localhost:8000/users/> with the fields in the body: name, email, password, position, skills. The skills should have the name of the skill and the score.