**Project 9 - Front-end Dashboard**

This repo contains all the source code to run the micro API for the sports analytics dashboard SportSee.

**1. General information**

To start this project, you are free to use Docker or not. In this documentation, we will see several methods to launch the project easily.

**2. Project (without Docker)**

**2.1 Prerequisites**

* [NodeJS (**version 12.18**)](https://nodejs.org/en/)
* [Yarn](https://yarnpkg.com/)

If you are working with several versions of NodeJS, we recommend you install [nvm](https://github.com/nvm-sh/nvm). This tool will allow you to easily manage your NodeJS versions.

**2.2 Launching the project**

* Fork the repository
* Clone it on your computer.
* The yarn command will allow you to install the dependencies.
* The yarn dev command will allow you to run the micro API.

**3. Project (with Docker)**

**2.1 Prerequisites**

* [Docker Desktop](https://www.docker.com/products/docker-desktop)

**2.2 Starting the project**

* The docker image build --no-cache -t micro-api . command will allow you to build your image.
* The docker container run --name micro-api -p 3000:3000 -dt micro-api yarn command will allow you to create your Docker container and run your image on port 3000.
* The docker container stop micro-api command will allow you to stop your micro-api.
* The docker container rm micro-api command will allow you to delete your micro-api container.

**2.3 Vscode and container remotes**

Finally, if you have VsCode, you can easily launch your project in a docker environment.

You will need the [Remote Development extension](https://marketplace.visualstudio.com/items?itemName=ms-vscode-remote.vscode-remote-extensionpack). Once you have this extension installed, just click on the Reopen in Container button.

Once in the container, run the yarn dev command.

**4. Endpoints**

**4.1 Possible endpoints**

This project includes four endpoints that you will be able to use:

* http://localhost:3000/user/${userId} - retrieves information from a user. This first endpoint includes the user id, user information (first name, last name and age), the current day's score (todayScore) and key data (calorie, macronutrient, etc.).
* http://localhost:3000/user/${userId}/activity - retrieves a user's activity day by day with kilograms and calories.
* http://localhost:3000/user/${userId}/average-sessions - retrieves the average sessions of a user per day. The week starts on Monday.
* http://localhost:3000/user/${userId}/performance - retrieves a user's performance (energy, endurance, etc.).

**Warning, currently only two users have been mocked. They have userId 12 and 18 respectively.**

**4.2 Examples of queries**

* http://localhost:3000/user/12/performance - Retrieves the performance of the user with id 12
* http://localhost:3000/user/18 - Retrieves user 18's main information.