SPORTSEE – DOCUMENTATION

I. USED PACKAGES

NodeJS v16.14.2

npm v8.5.0
express v4.17.1
react v17.0.2 – with Create React App
prop-types v15.8.1
styled-components v5.3.5
recharts v2.1.9 - https://recharts.org/en-US/

For installation, please see README file.

II. FRONTEND FOLDER ARCHITECTURE

The app source code is contained in the src folder. Following React practices, it has been separated between components and pages.

Each component folder contains a jsx file handling the component code. When styling is necessary, it also contains a .styles.js.

An index.js file is in charge of exporting the content of the folder.

Sometimes, a utils file may contain a helper function in order to separate the rendering part from the logic.

The src folder contains the constants.js file, which includes the app text and various variables used to format data.

- public
- src
  - components
    - [component-name]
      - Index.js
      - Utils.js
      - [component-name].jsx
      - [component-name].styles.js
  - hooks
  - pages
  - constants.js

III. Routes & Data

A) Data storage & fetching

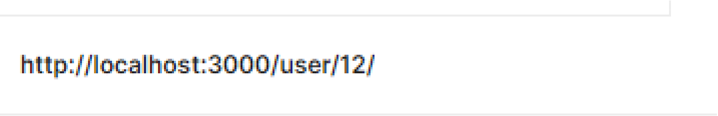
Currently, data is stored in the data.js file in /backend/app.
No connection to any database has been made in this prototype.

Communication from frontend to backend is made with environnement variable ***REACT_APP_API_URL*** which must be set in the .env file on the frontend side.

Fetching data from Frontend is made with the useGetData custom hook. This hook expects the id and a slug in order to fetch the appropriate route.

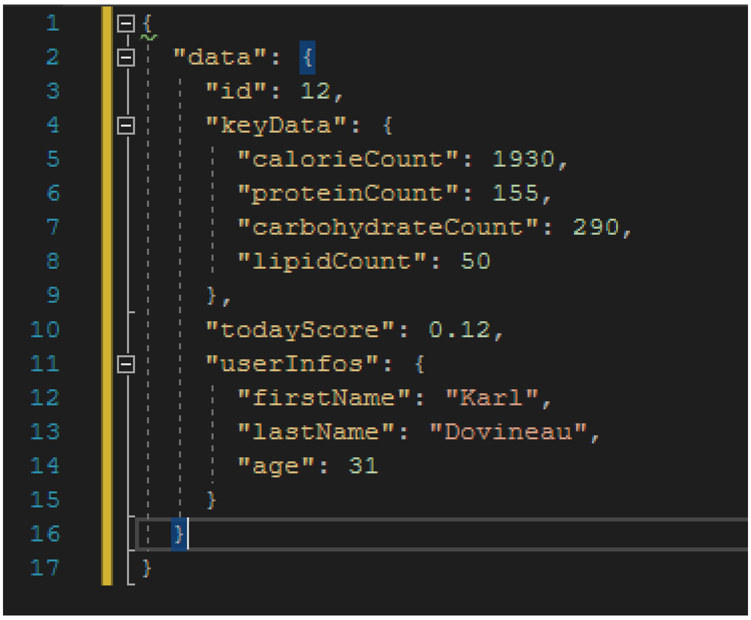
No data-caching has been set at the moment.

B) /user/ :id



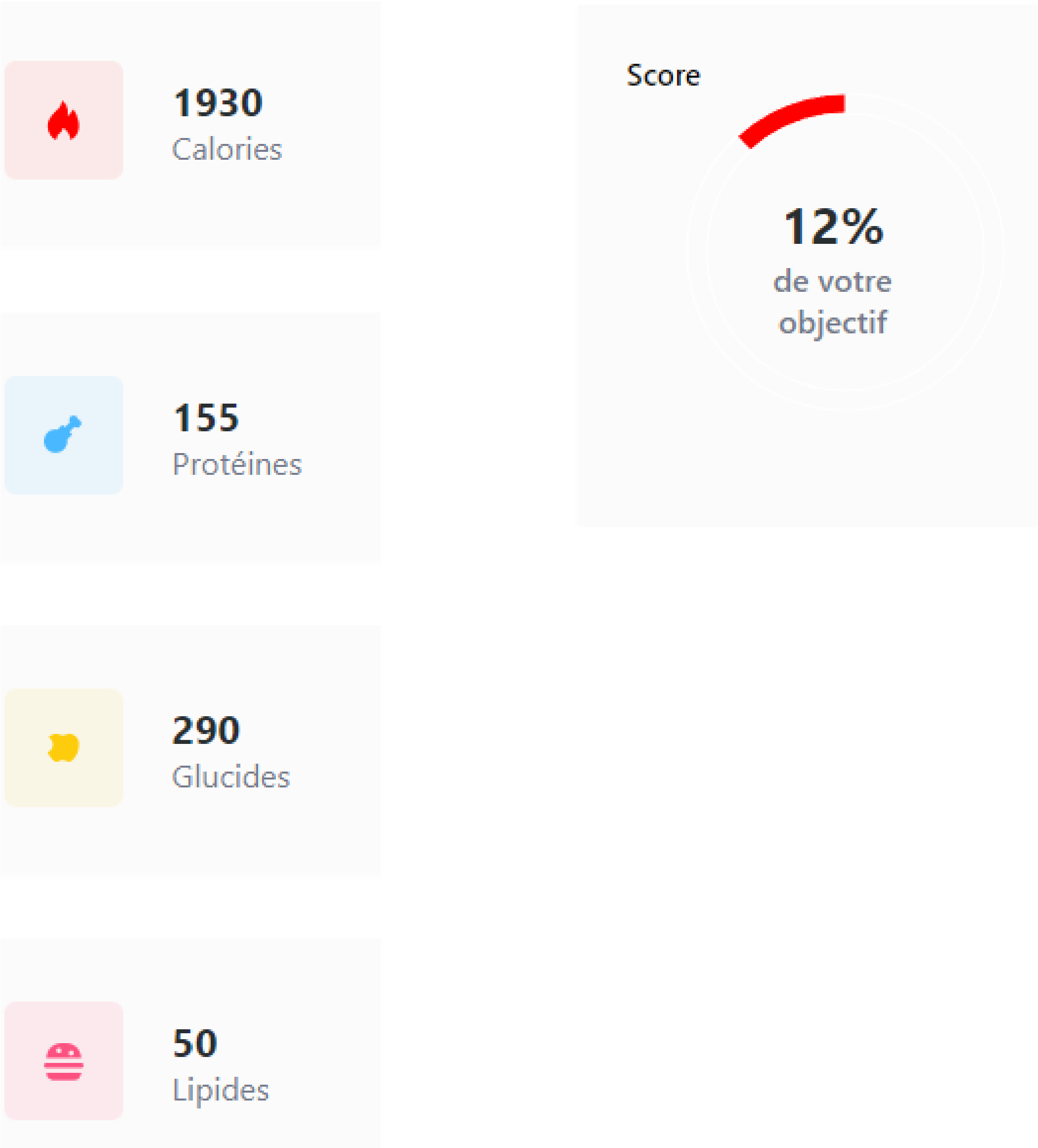
http://localhost:3000/user/12/

Route to get user base info



```
{
  "data": {
    "id": 12,
    "keyData": {
      "calorieCount": 1930,
      "proteinCount": 155,
      "carbohydrateCount": 290,
      "lipidCount": 50
    },
    "todayScore": 0.12,
    "userInfos": {
      "firstName": "Karl",
      "lastName": "Dovineau",
      "age": 31
    }
  }
}
```

App display :



1930
Calories

155
Protéines

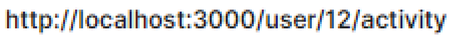
290
Glucides

50
Lipides

Score

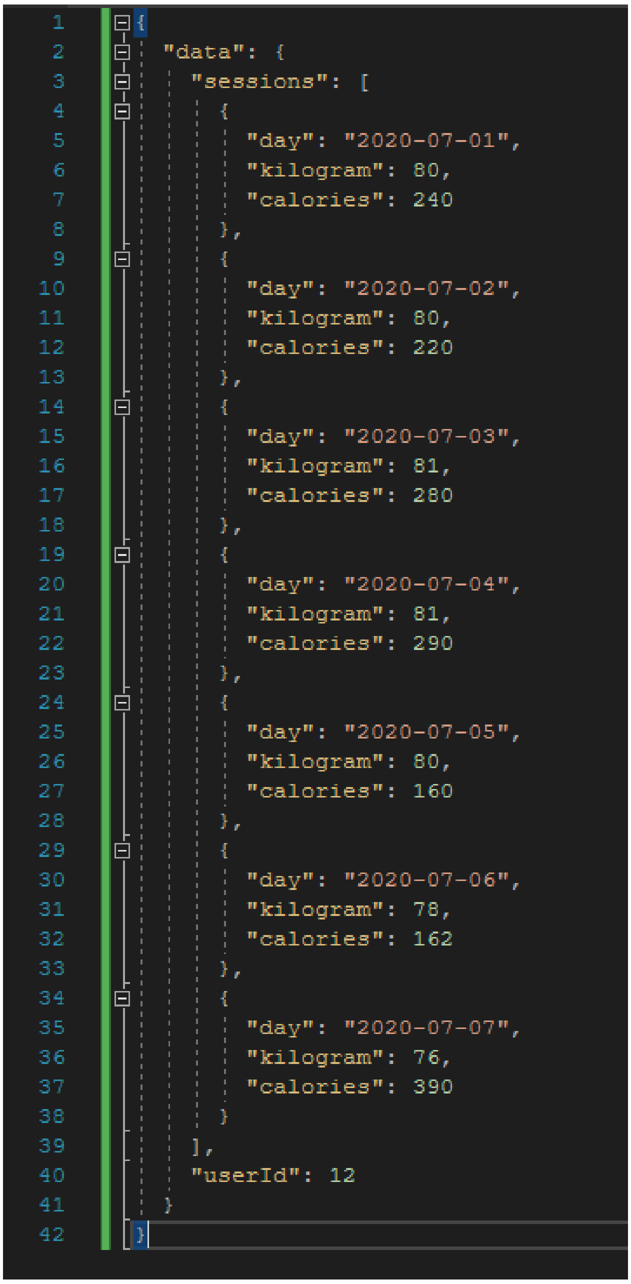
12%
de votre objectif

C) /USER/ :ID/ACTIVITY



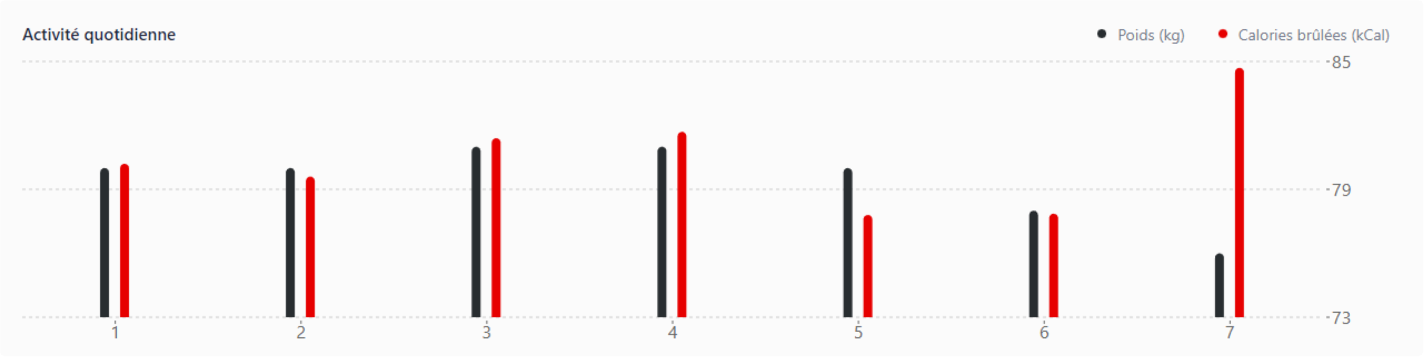
http://localhost:3000/user/12/activity

Route used to retrieve data for the Daily Activity graph.
The « day » property serves as X axis, the two others are displayed on Y axis.



```json
{
  "data": {
    "sessions": [
      {
        "day": "2020-07-01",
        "kilogram": 80,
        "calories": 240
      },
      {
        "day": "2020-07-02",
        "kilogram": 80,
        "calories": 220
      },
      {
        "day": "2020-07-03",
        "kilogram": 81,
        "calories": 280
      },
      {
        "day": "2020-07-04",
        "kilogram": 81,
        "calories": 290
      },
      {
        "day": "2020-07-05",
        "kilogram": 80,
        "calories": 160
      },
      {
        "day": "2020-07-06",
        "kilogram": 78,
        "calories": 162
      },
      {
        "day": "2020-07-07",
        "kilogram": 76,
        "calories": 390
      }
    ],
    "userId": 12
  }
}
```

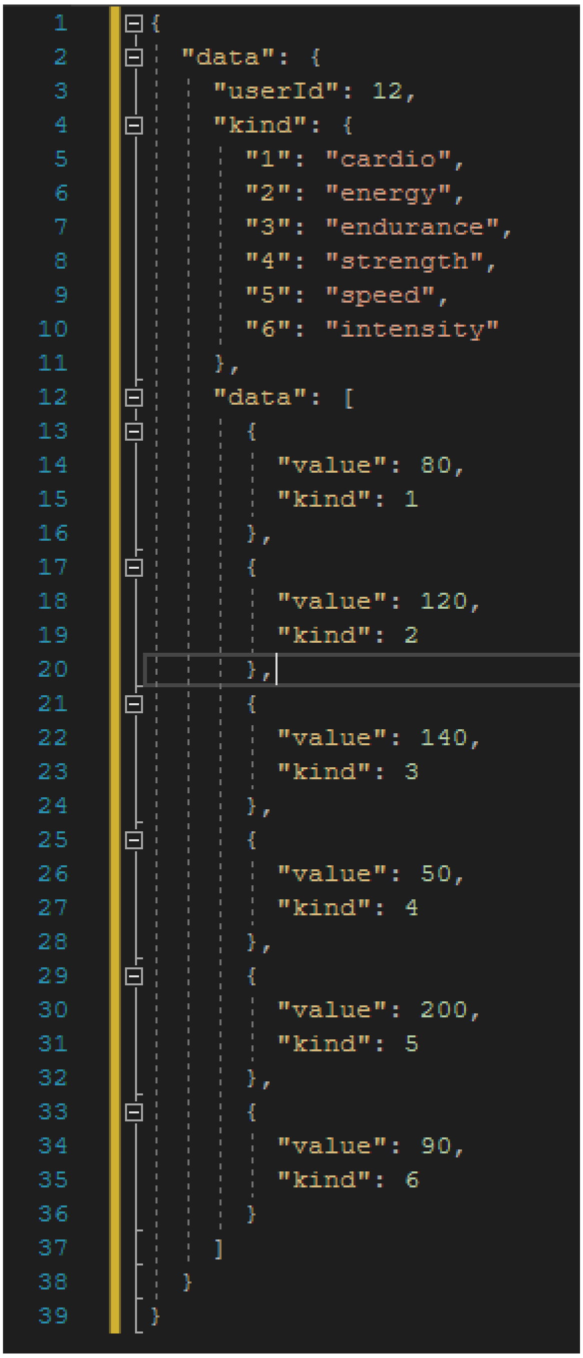
App display :


Activité quotidienne
● Poids (kg)
● Calories brûlées (kCal)
85
79
73
1
2
3
4
5
6
7

D) /USER/ :ID/PERFORMANCE

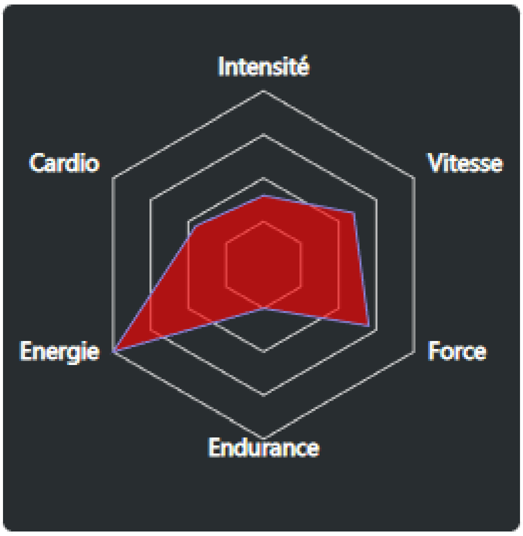
http://localhost:3000/user/12/performance

Each key of the kind object is used to map the radar graph edges.



```
{
  "data": {
    "userId": 12,
    "kind": {
      "1": "cardio",
      "2": "energy",
      "3": "endurance",
      "4": "strength",
      "5": "speed",
      "6": "intensity"
    },
    "data": [
      {
        "value": 80,
        "kind": 1
      },
      {
        "value": 120,
        "kind": 2
      },
      {
        "value": 140,
        "kind": 3
      },
      {
        "value": 50,
        "kind": 4
      },
      {
        "value": 200,
        "kind": 5
      },
      {
        "value": 90,
        "kind": 6
      }
    ]
  }
}
```

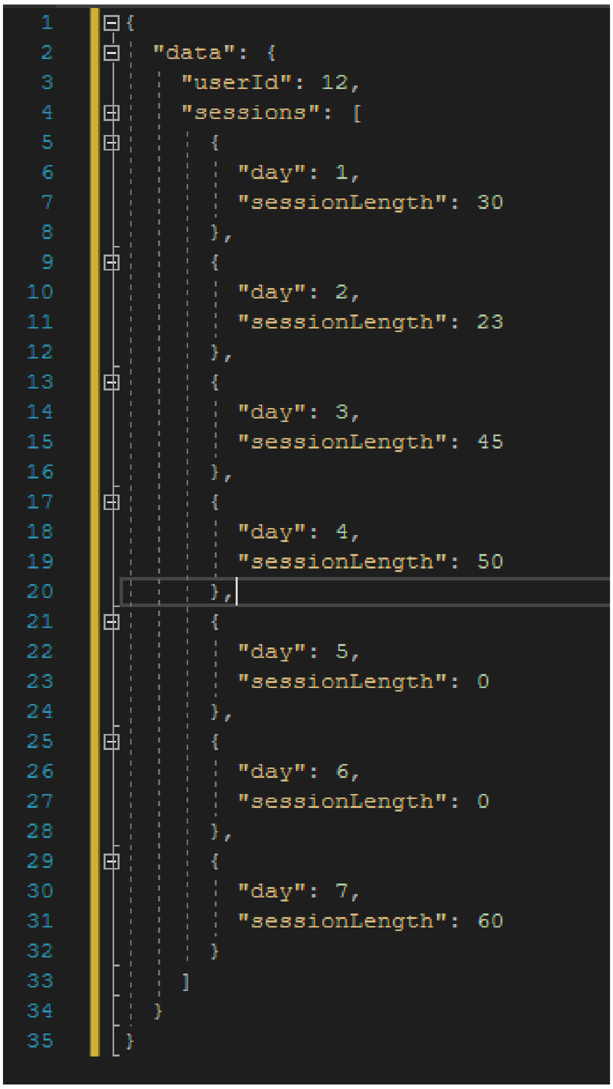
App display :



E) /user/ :id/average-sessions

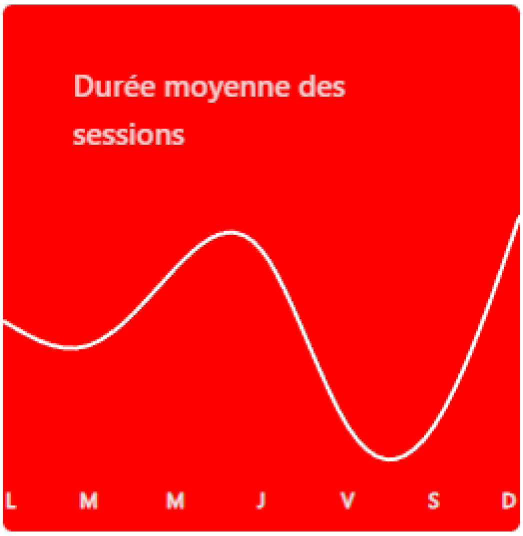
http://localhost:3000/user/12/average-sessions

The « day » property is mapped as X axis and the sessionLength is mapped as the Y axis.



```
{
  "data": {
    "userId": 12,
    "sessions": [
      {
        "day": 1,
        "sessionLength": 30
      },
      {
        "day": 2,
        "sessionLength": 23
      },
      {
        "day": 3,
        "sessionLength": 45
      },
      {
        "day": 4,
        "sessionLength": 50
      },
      {
        "day": 5,
        "sessionLength": 0
      },
      {
        "day": 6,
        "sessionLength": 0
      },
      {
        "day": 7,
        "sessionLength": 60
      }
    ]
  }
}
```

App display :


Durée moyenne des sessions
L
M
M
J
V
S
D