DOCUMENTATION

Goal of the project

The goal of the project is to reproduce the software suite platform similar to that of IFTTT and/or Zapier compose of 3 main part:

- An application server to implement all the features
- A web client to use the application from your browser
- A mobile client to use the application from your phone

For make the project we use this different technologie:

- Server : MongoDB and Express JS
- Web application : Vue js
- Mobile application : React Native

Project structure

The project is structured in 2 directories. One name **AREA FRONT** for the Web application, another name **Mobile Version** for the Mobile application and Server in the file **server.js** at the root of the project repository. The project is built using Docker.

AREA FRONT STRUCTURE

- **assets:** all resources of the web application (picture, icon, ..);
- **component:** content the part of web application which can't be modify (header)
- **router:** content the file with all the path define in the project
- **view:** is the part where all the page of the web application are manage
    - **AUTH:** for the authentication process page
    - **SERVICE:** for the service process page

Mobile Version STRUCTURE

- **assets:** all resources of the mobile application (picture, icon, ..);
- **view:** is the part where all the page of the mobile application are manage
    - **Home:** for the landing page managing
    - **Login:** for the login page managing
    - **Register:** for the registration page managing
    - **Service:** for the service page managing
- **App.js:** for the page managing of the mobile application

API Use

For implement the different service we use different API:

- Gmail API
- Reddit API
- Youtube API
- Drive API
- Spotify API

Database structure

Project Build

As stated in the project recommendations, Docker is used for external compilation and deployment.
The project is divided into three parts: the backend server, the web server and the mobile server.
First, to perform a compilation of these three entities, there is a Dockerfile in each folder (AREA_FRONT, Mobile_version and at the root of the folder for the server) with a docker-compose.yml file at the root.
Then the docker-compose.yml file will call the Dockerfile in each source (AREA_FRONT,Mobile_version and at the root for the server) allowing to build the whole project promoting the launch of the servers. Finally, during the launch, there is a link that is made with mongodb on the port "27017" so that the database can be used in the project.

Dockerfiles will simply build in each directory (**Mobile Version**, **AREA FRONT**) and at the root of the repository for the server so docker-compose.yml can launch the whole build.
Front server : localhost:8081
Back server : localhost:8080