

API AREA

Preface

This Project is made by Benjamin Piriac, Mark-Antoine Wittling, Matieu Dèru, Stànisslass Hérron, Jean Bougnarel and Mikael Gerard, for Epitech.

Introduction

The AREA is a simple dashboard with services. Each services have action or reaction. Some of them will need OAuth2. It is build with docker. The purpose of the project is to creating AREA :

- **Action** : A predefined event triggering a reaction (like a new post from someone on reddit)
- **REAction** : Predefined event supposed to be trigger by a action (like post a new image on imgur)

The project is compose of :

- **Client** : call the api and display informations, run on port 8081
- **API / Server**: manage database and call externe api and send information to the client, running on port 8080
- **Mobile client** : available on localhost:8081/client.apk
- **Mong data base**: A data base by mongodb, available on the port 27017

API Routes

The following commands explain there ous use

Connect - GET

<http://server:8080/connectUser>

Body :

username : username of the user
password : password of the user

Connect a user, return success or fail.

return exemple :

```
{  
  success : True  
  message : "User connected"  
  token  : "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...t2ot3Urfre4egTFGEE"  
}
```

Status Success : 201

Status Error : 401

Create user - POST

<http://server:8080/createUser>

Body :

username : username of the user
password : password of the user

Connect a user, return success or fail.

return exemple :

```
{  
  success : True  
  message : "User created"  
  token : "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...t2ot3Urfre4egTFGEE"  
}
```

Status Success : 201

Status Error : 401

All next request need a specific header :

access_token : Token recieve on the connection

Create area - POST

<http://server:8080/CreateArea>

Body :

action : Action for the area

reaction : Reaction for the area

All parameter needed by the action and the reaction, exemple :

city : City for the weather

channel_id : Channel to post a message

message : message to post

Create a AREA.

return exemple :

```
{  
  success : True  
  message : "Area created successfully"  
}
```

Status Success : 201

Status Error : 401

Get area- GET

<http://server:8080/GetArea>

Get all AREA of the user.

return exemple :

```
[
  {
    _id: "5e25e05471f19f0107f86672",
    area_id: "405ope7bk5mpo3hi",
    user_id: "405ope1mk5mpevm0",
    action: "weather_time",
    action_params: {
      city: "Nantes",
      time: "10:10"
    },
    reaction: "discord_send_message",
    reaction_params: {
      channel_id: "12435",
      message: "the weather is {weather}"
    }
  }
]
```

Status Success : 201

Status Error : 401

Update area - POST

<http://server:8080/UpdateArea>

Body :

area_id : Id of the Area

action : Action for the area

reaction : Reaction for the area

All parameter needed by the action and the reaction, exemple :

city : City for the weather

channel_id: Channel to post a message

message: message to post

Update a AREA.

return exemple :

```
{
  success: True
  message: "Area updated"
}
```

Status Success : 201

Status Error : 401

Delete area - Delete

<http://server:8080/CreateArea>

Body :

area_id : Id of the area

Delete a AREA.

return exemple :

```
{  
  success : True  
  message : "Area deleted"  
}
```

Status Success : 201

Status Error : 401

Add token - POST

<http://server:8080/auth/:app>

Param :

app : Name of the application the user is connected

Body :

access_token : Token returned by the auth2

refresh_token: Token returned by the auth2

expires_in: Expiration returned by the auth2

Save token from authentication in differents services.

return exemple :

```
{  
  success : True  
  message : "Token saved"  
}
```

Status Success : 201

Status Error : 401

Get services - GET

<http://server:8080/auth/getServices>

Get the services the user is connected to.

return exemple :

```
{  
  Discord : True,  
  Reddit : True,  
  Imgur : False,  
  Steam : True  
}
```

Status Success : 201

Status Error : 401