

API AREA

Preface

This Project is made by Benjamin Piriac, Mark-Antoinne 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
- **Mongo data base**: A data base by mongodb, available on the port 27017

API Routes

The following commands explain there ows use

Connect - POST

[/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

[/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 :

Authorization : 'token {token received on the connection}'

Create area - POST

[/CreateArea](#)

Body :

action : Action for the area
reaction : Reaction for the area
optional area_name : Name of the area
optional color : Color of 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 areas - GET

[/GetAreas](#)

Get all AREA of the user.

return exemple :

```
[
  {
    "area_id": "405gzvkv73nysmy",
    "user_id": "405gzn36k73jeb75",
    "area_name": "Raccoon area",
    "color": "#E3FF33",
    "action": {
      "name": "github_issue_event",
      "repository": "Test",
      "username": "mikeskyzo",
      "webhook_id": 187209070
    },
    "reaction": {
      "name": "discord_send_message",
      "message": "{username} est un varis bg",
      "username": "Mike",
      "avatar": "https://i.imgur.com/GMo6l8u.jpg"
    }
  },
  ...
]
```

Status Success : 201

Status Error : 401

Get area's name - GET

[/GetAreas/Name](#)

Get AREA's name and id of the user.

return exemple :

```
{
  Area: [
    {
      area_id: "405ope7bk5mpo3hi",
      action: "Github",
      reaction: "Discord",
      area_name : "Area racoon"
    },
    ...
  ]
}
```

Status Success : 201

Status Error : 401

Get area - GET

[/GetArea/:Areald](#)

Get all AREA of the user.

return exemple :

```
{
  "area_id": "405gzvkv73nysmy",
  "user_id": "405gzn36k73jeb75",
  "area_name": "Raccoon area",
  "color": "#E3FF33",
  "action": {
    "name": "github_issue_event",
    "repository": "Test",
    "username": "mikeskyzo",
    "webhook_id": 187209070
  },
  "reaction": {
    "name": "discord_send_message",
    "message": "{username} est un varis bg",
    "username": "Mike",
    "avatar": "https://i.imgur.com/GMo6l8u.jpg"
  }
}
```

Status Success : 201

Status Error : 401

Delete area - Delete

[/DeleteArea](#)

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

</auth/addToken>

Body :

service : The name of the service
-- All the token given by the Oauth (depend on the service)

Save token from authentication in differents services.

return exemple :

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

Status Success : 201

Status Error : 401

Delete token - DELETE

</auth/token>

Body :

service : The name of the service

Delete token from authentication in differents services.

return exemple :

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

Status Success : 201

Status Error : 401

Get services - GET

</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
```

Get all actions - GET

</getActions>

Get all the actions available for the user.

return exemple :

```
{
  actions : [
    {
      name : "github_new_push",
      service : "Github",
      title : "Repository push",
      description : "Trigger when someone push on a repo",
      params : [
        {
          name : "repository",
          description : "Name of the repository"
        },
        {
          name : "username",
          description : "Owner's name of the repository"
        }
      ]
    },
    ...
  ],
}
Status Success :      201
Status Error :       401
```

Get all actions and reactions - GET

[/getReactions](#)

Get all the reactions available for the user.

return exemple :

```
{
  reactions : [
    {
      name : "slack_send_message",
      service : "Slack",
      title : "Send message",
      description : "Send a message to a channel",
      params : [
        {
          name : "channel_id",
          description : "Id of the channel"
        },
        {
          name : "message",
          description : "Message to send"
        }
      ],
      ...
    },
    ...
  ],
}
```

Status Success : 201

Status Error : 401

Change username - PATCH

[/user/changeUsername](#)

Body :

username : The new username of the user

Change the username of the actual user.

return exemple :

```
{
  success : True
  message : "Username changed"
}
```

Status Success : 201

Status Error : 403

Change password - PATCH

</user/changePassword>

Body :

new_password: The new password of the user

password: The actual password of the user

Change the password of the actual user.

return exemple :

```
{  
  success : True  
  message : "Password change changed"  
}
```

Status Success : 201

Status Error : 403