

# 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
- **Mongo data base**: A data base by mongodb, available on the port 27017

## API Routes

The following commands explain there ous 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}'

## Get areas - GET

### [/GetAreas](#)

Get all AREA of the user.

#### return exemple :

```
[
  {
    "area_id": "405gzvkv760feck",
    "user_id": "405gznibk75yvix7",
    "area_name": "Raccoon area",
    "color": "#E3FF33",
    "action": {
      "name": "github_issue_event",
      "params": [
        {
          "name": "repository",
          "value": "Test"
        }
      ],
      "webhook_id": 187630834
    },
    "reaction": {
      "name": "slack_send_message",
      "params": [
        {
          "name": "channel_id",
          "value": "CTTUL2J4C"
        }
      ]
    }
  },
  ...
]
```

Status Success : 201

Status Error : 401

## Create area - POST

</CreateArea>

Body exemple :

```
{
  "area_name": "My first reaction",
  "color": "Yellow",
  "action": {
    "name": "github_issue_event",
    "params": [
      {
        "name": "repository",
        "value": "Test"
      }
    ]
  },
  "reaction": {
    "name": "github_create_board",
    "params": [
      {
        "name": "owner",
        "value": "mikszyzo"
      }
    ]
  }
}
```

Create a AREA.

return exemple :

```
{
  success: True
  message: "Area created successfully"
}
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/:Areaid>

Get all AREA of the user.

return exemple :

```
{
  "area_id": "405gznvk760feck",
  "user_id": "405gznbk75yvix7",
  "area_name": "Raccoon area",
  "color": "#E3FF33",
  "action": {
    "name": "github_issue_event",
    "params": [
      {
        "name": "repository",
        "value": "Test"
      }
    ],
    "webhook_id": 187630834
  },
  "reaction": {
    "name": "slack_send_message",
    "params": [
      {
        "name": "channel_id",
        "value": "CTTUL2J4C"
      }
    ]
  }
}
```

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

## Get services - GET

[/getServices](#)

Get the services the user is connected to.

**return exemple :**

```
[
  {
    "service": "Discord",
    "active": true
  },
  {
    "service": "Github",
    "active": false
  },
  ...
]
```

**Status Success :** 201

**Status Error :** 403

## Get all actions - GET

[/getActions](#)

[/getReactions](#)

Get all the actions available for the user.

The same operation exist for the reactions.

**return exemple :**

```
[
  {
    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

## Auth - Redirection

[/Auth/connect/:service?token={access\\_token}](/Auth/connect/:service?token={access_token})

**service** : The service you want to connect to

**access\_token** : Token get by the connection

Change the password of the actual user.

**return** → **Redirect to the authentication system of the service**

## Disconnect service - Delete

</auth/delete/:service>

**:service** : name of the service to disconnected from

Delete a service from a account.

**Status Success :** 200

**Status Error :** 403