

# **AREA**

## **Documentation**

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# What is AREA ?

Area is a epitech Project who consists of a web and mobile app who allow user to interconnect api and create combination of reaction and action with them.

We used react js and native for Front part and Node js for back part. We handle api gestion (of gmail api, google drive api, facebook api, twitch api, discord api and yammer api) with OAuth2.

## Dependencies

To use AREA you must have docker installed on your computer .

# Usage

To launch AREA:

- In the project folder root launch “sudo docker-compose build” and “sudo docker-compose up”.
- Go to <http://localhost:8081> to use the web front or user the compiled mobile\_client service to use the mobile front.
- Once on the front, create or connect to an account to use the app.

# Front

Works using React JS and native. The front allow the user to create or connect to a account and once connected to connect to api to create combination with them by doing request to the server.

# Back

Works using node js, the back use mogodb for the database and handle these calls:

- <http://localhost:8080/about.json>: create and sent in response the content of the file about.json.
- <http://localhost:8080/signup>: is call for user signup try
- <http://localhost:8080/signin>: is call for user registration try
- [http://localhost:8080/get\\_combination](http://localhost:8080/get_combination): respond with the list of combination created by the connected user
- [http://localhost:8080/create\\_combination](http://localhost:8080/create_combination): create a combination for the connected user with the parameters selected by the user.
- [http://localhost:8080/delete\\_combination](http://localhost:8080/delete_combination): delete the selected combination of the connected user.
- <http://localhost:8080/gmail/connect>: collect the connected user gmail api credentials
- <http://localhost:8080/facebook/connect>: collect the connected user facebook api credentials
- <http://localhost:8080/drive/connect>: collect the connected user google drive api credentials
- <http://localhost:8080/twitch/connect>: collect the connected user twitch api credentials
- <http://localhost:8080/yammer/connect>: collect the connected user yammer api credentials
- <http://localhost:8080/discord/connect>: collect the connected user discord api credentials

# API

The AREA apps handle some api with for each of them some reaction and action:

## API Gmail

### Actions:

- The connected user receive a new mail
- The connected user create a new draft mail
- The connected user sent a new mail

### Reactions:

- The connected user receive a mail
- The connected user have his last mail deleted
- The connected user have his last draft mail deleted

## API Facebook

### Actions:

- The connected user change his facebook name
- The connected user create a new page

### Reactions:

- The connected user receive a mail
- The connected user receive a message on all his pages
- The connected user have the description of all his pages changed

# API Google Drive

## Actions:

- The connected user add a new file on his drive
- The connected user add or remove a file from his starred file
- The connected user add a new vidéo on his drive
- The connected user add a new image on his drive

## Reactions:

- Clean the connected user bean
- The connected user receive a mail
- The connected user create a new file on his drive

# API Twitch

## Actions:

- The connected user follow or unfollow a twitch chanel
- The top stream change
- The top game change

## Reactions:

- The connected user follow the top stream
- The connected user unfollow the top stream
- The connected user change the description of his twitch channel.
- The connected user receive a mail

# API Yammer

## Actions:

- vous recevez un message sur votre network
- vous avez envoyer un message
- quand vous envoyer ou recevez un message privé
- quand un message apparait sur un thread suivi

## Reactions:

- The connected user put a like on the last message received.
- The connected unlike the last message received.
- The connected user like the last private message received.
- The connected user unlike the last private message received.
- The connected user receive a mail.

# API Discord

## Actions:

- The connected user modify his discord profile name
- The connected user modify his profile picture.
- The connected user user join or leave a discord server.
- The connected user add or remove a connection to his discord profile.

## Reactions:

- The connected user receive a mail