User Documentation for Areacoon

Preface

The Areacoon is a Epitech third grade project with the goal to create a multi-platform area manager. You can setup actions (for example, an action that trigger when you create a new repository on GitHub) that will trigger reactions (for example, the reaction will be to send a mail to someone). The Areacoon is divided in three parts: a server, a web client and a mobile client. It supports numerous service authentication, as well as an action/reaction manager.

Table of content

Available services

Here's a list of the available services for the Areacoon

GitHub

GitHub, Inc. is a US-based global company that provides hosting for software development version control using Git. you can host and review code, manage projects, and build software with it.

With GitHub you can setup a lot of actions around your repository. Here's the list of available **actions** :

- Trigger when someone push on a repository
- Trigger when a repository is labelled
- Trigger when an issue is update or created
- Trigger when a repository is made public
- Trigger when a repository is archived
- Trigger when a repository is started
- Trigger when a repository commit is commented
- Trigger when a branch or a label on a repository is created
- Trigger when a repository is forked

Discord

Discord is a proprietary freeware VoIP application and digital distribution platform designed for video gaming communities, that specializes in text, image, video and audio communication between users in a chat channel

The **reaction** the comes with discord is "Send a message on a discord channel" wich allow you to send a customised message to a specific channel when an action is triggered.

Spotify

Spotify is a musical service that allow users to listen to audio files on the go. The catalogue can be searched by artist or album.

Here's the available **reactions** for the Spotify service:

- Plays a song
- Add a song in the queue
- Set the volume
- Skip the song

Twitch

Twitch is a video live streaming service operated by Twitch Interactive, a subsidiary of Amazon. The service allow user to watch and stream content from all over the world. Users can interact with each other with a chat system during a streaming.

Here's the available **actions** for the Twitch service:

- Trigger when there's a new follower
- Trigger when the streamer changes his stream state

Reddit

Reddit is an American social news aggregation, web content rating, and discussion website. Registered members submit content to the site such as links, text posts, and images, which are then voted up or down by other members.

Here's the available reactions for the Reddit service:

- Create a new post in a given subreddit
- Send a private message to a given user

Mail

Electronic mail (**email** or **e-mail**) is a method of exchanging messages ("mail") between people using electronic devices.

You can setup the "Send a mail" reaction with the specified user and content to be sent.

Slack

Slack is a proprietary instant messaging platform developed by Slack Technologies. Slack offers many IRC-style features, including persistent chat rooms (channels) organized by topic, private groups, and direct messaging.

Like mail, you can setup the "Send a message on a slack channel" reaction to send a message to a specified slack channel.

Getting Started

Now that you're familiar with the content of the Areacoon, it's time to setup the project itself. For that, you'll need to have the last version of docker-compose

First, go into the root's project folder and enter the following line:

"docker-compose build"

This line command will build the project and download de dependencies required for it to work properly.

Once you're done with the building, you can launch the app by typing:

"docker-compose up"

The project will start running. From now on you'll be able to connect to the server by the client web or client mobile. Let see how they work.
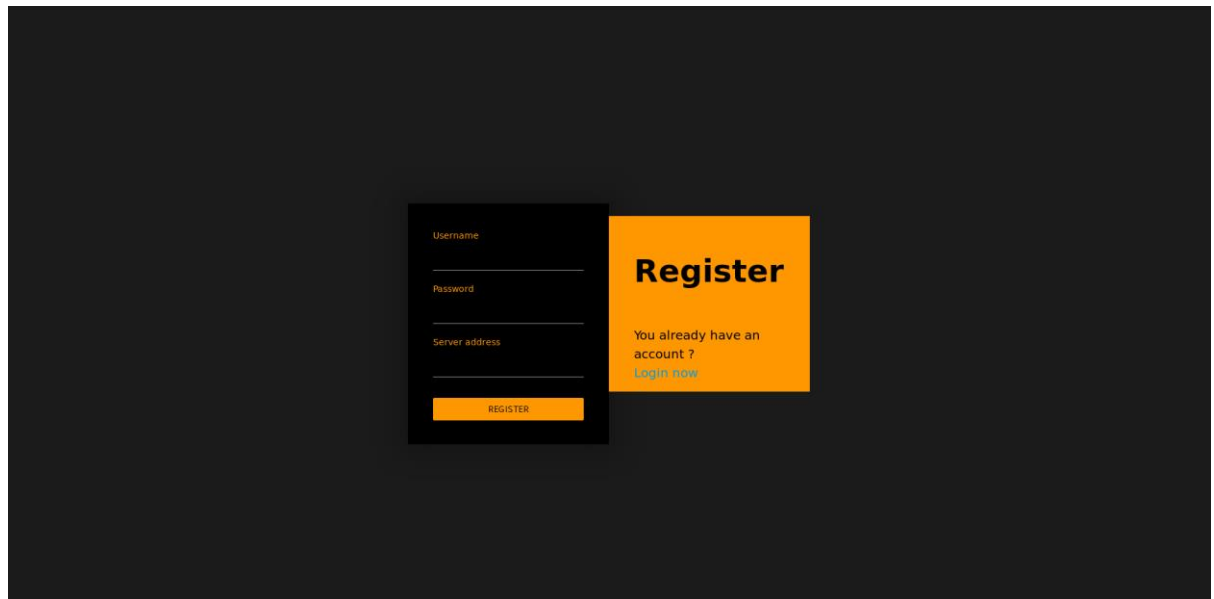
Warning: in some cases, docker need to have some special permissions and won't work otherwise. You can solve the problem by just typing "sudo" before your command line.

Connecting to the server

Web Client

Once you're done with the server, you can connect yourself on it. For that, you can simply go on your web browser and enter: http://localhost:8081/

You should then see this:

You'll notice there is three zone where to put information:

- Username: this is where you put your login name
- Password: it's the secret that let you in
- Server address: this is the url of your server. You can use this one: https://areacoon-api.eu.ngrok.io

After that, you should now be in the main menu of the Areacoon. If you already have an account, you can directly click on the "login now" button and to the same as register.
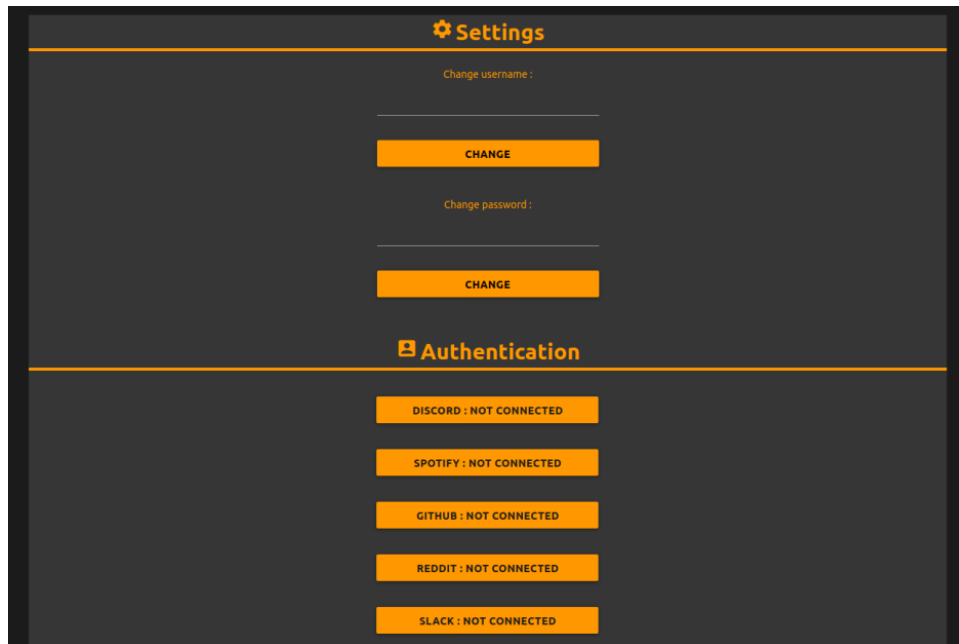
Mobile Client (Android)

It's almost the same as the Web client but you need first to download the apk. To get the apk, you'll need to go on this link: http://localhost:8081/mobile. Install the application on your phone and launch it. From this point, you need to create an account. Once your account created, simply login in with your new credentials

Setup an area

Web Client

Now that you're logged in, it's time to create some area. First, click on the "Account" button top right of your screen.

As you can see, you can change your credentials. But the most important part is that you can use your different service accounts to create the areas. Select the service that you want to log in with. Once you're done, go back to the main menu by clicking on the "Dashboard" button, top right of your screen.
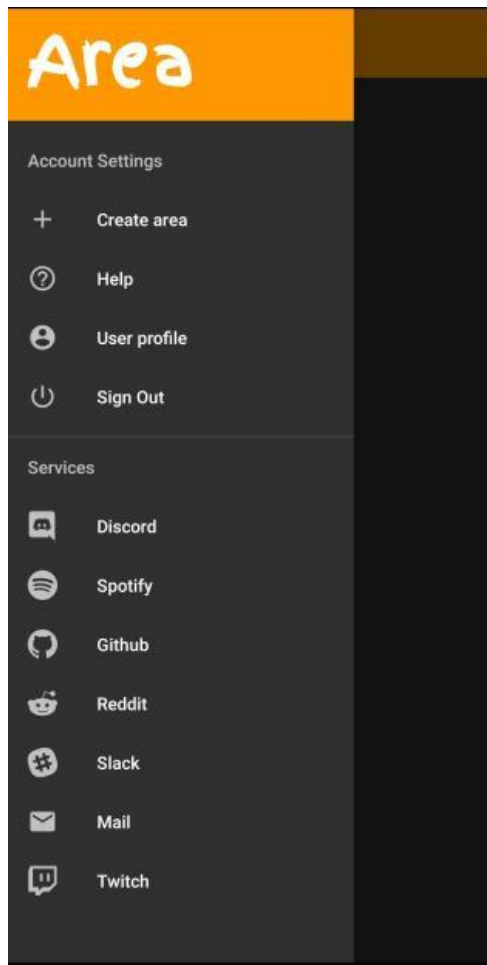
Once you're back, you'll notice that a few options appeared, depending which service you chose to use. You can now setup your areas with the action and reaction. You can see all your active areas in the "Area history" section. There, you'll be able to delete the areas that you don't use anymore.

You're all set now.

Mobile Client (Android)

For the mobile version, you can directly access to the services by pressing the burger menu top left on your screen. You can see here the different available service and options

Once you're logged in with your accounts. press the "Create area" button and choose the action and reaction you want. After that you can choose the name and color of your area. Once you've done that, you're done ! You can see the area shown in the main menu. If you press the "Details" button, you can see the information of your area as well as the possibility to delete it.