

Epicture

TEK3 Project | Epitech { Lille }

Documentation

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General information

Presentation of the Epicture Project

The Epicture project is a project for third-year students at Epitech. The purpose of this project is to create a photo sharing platform. To do this, we used React Native technology, a mobile application framework created by Facebook.

How to install it?

Prerequisites

- NodeJS
- Npm
- Java SE Development Kit (JDK)
- Android SDK Platform 28

Run on Android

With a virtual device

Download and install Android Studio

Open it

Configure a AVD manager (top right of tools bar)

Run the Android device

Define the ANDROID_SDK_ROOT environment variable with the "Android/sdk" location

Go to our project folder root

Open terminal inside and run `npm install`

Then run `npx react-native start`

Open a new terminal inside the project folder root and run the following: `npx react-native run-android`

With a physical device

Download and install Android Studio

Open it

Make sure that your phone is correctly selected in available devices (top bar)

Define the ANDROID_SDK_ROOT environment variable with the "Android/sdk" location

Go to our project folder root

Open terminal inside and run `npm install`

Then run `npx react-native start`

Open a new terminal inside the project folder root and run the following: `npx react-native run-android`

Run on iOS (Mac only)

With a virtual device

Download and install Xcode Go to our project folder root

Open terminal inside and run `npm install`

Then run `npx react-native start`

Open a new terminal inside the project folder root and run the following: `npx react-native run-ios`

With a physical device

Download and install Xcode Make sure that your phone is correctly plug in

Go to our project folder root

Open terminal inside and run `npm install`

Then run `npx react-native start`

Open a new terminal inside the project folder root and run the following: `npx react-native run-ios`

APK build (Android)

To build the project for Android, use the Graddle Wrapper tool in the android/ directory.

cd android

Then, define Android Home environment variable (replace ~/Library/Android by your Android folder location)

```
`export ANDROID_HOME=~/Library/Android`  
`./gradlew build`
```

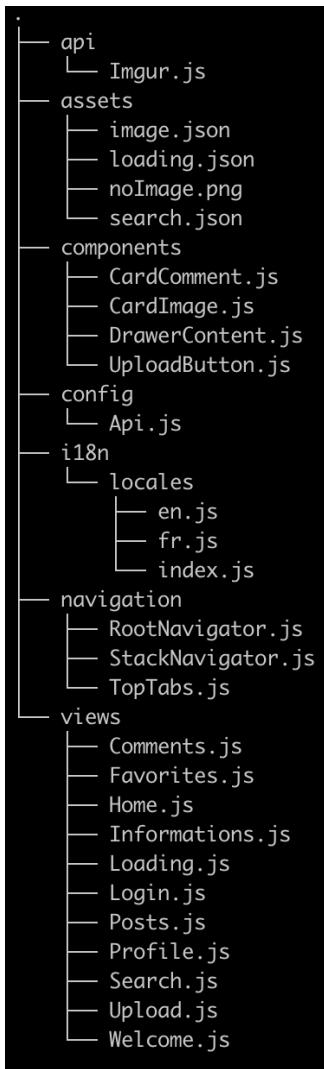
To generate a production APK, run use:

```
`./gradlew assembleRelease`
```

The Epicture Project

Architecture of the project

We have divided the project into several different folders to make it clearer. Here is the architecture of the folders that can be found in `src/`.



api: contains every function where there are Imgur API's calls.

assets: contains the assets of the project, as json and png used in the application.

components: contains the different components shared in the application. Don't confuse it with the `views` folder.

config: contains API keys

i18n: contains all languages files (English, French, ...)

navigation: contains the different main navigation pages

views: contains the different pages you can find while navigating in the application. In those views are called files from the `components` folder.

Explanations of the components

This part of the documentation will allow you to understand each component and will be able to use them more easily.

Name	Description
CardComment	Displays a comment card with a username and user comment
CardImage	Display a complete image card with the name of the author, the title, favs, downs and ups votes. Used in Home View for example
DrawerContent	Displays the drawer navigator
UploadButton	Displays the upload button in Home Screen

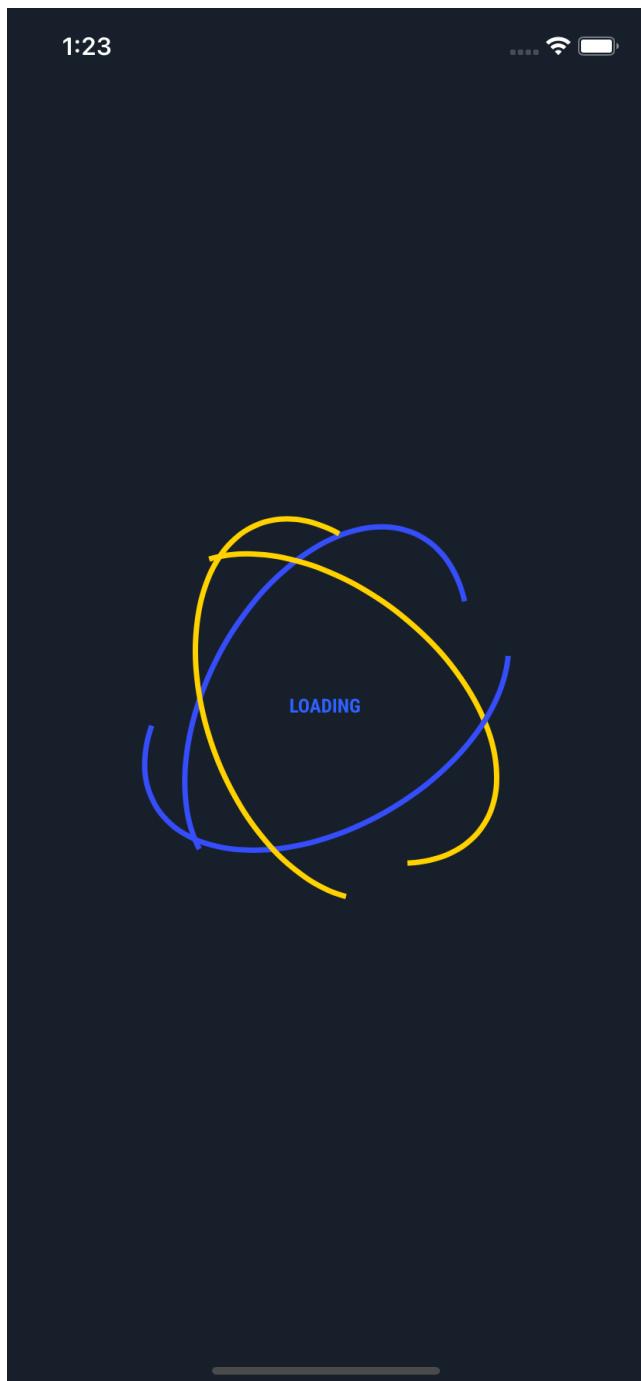
Dependencies

Async-storage	Asynchronous, persistent, key-value storage system for React Native
I18n-js	Translation system in Javascript with the JSON format
Lottie-view	Lottie Animation View for Vue
React-native-action-sheet	React native action sheet with native android
React-native-image-crop-picker	Select single or multiple images, with cropping option
React-native-vector-icons	Customizable Icons for React Native with support for NavBar/TabBar, image source and full styling
React-native-webview	React Native WebView component for iOS, Android, macOS, and Windows
React-native-video-player	React Native Video player component for iOS and Android

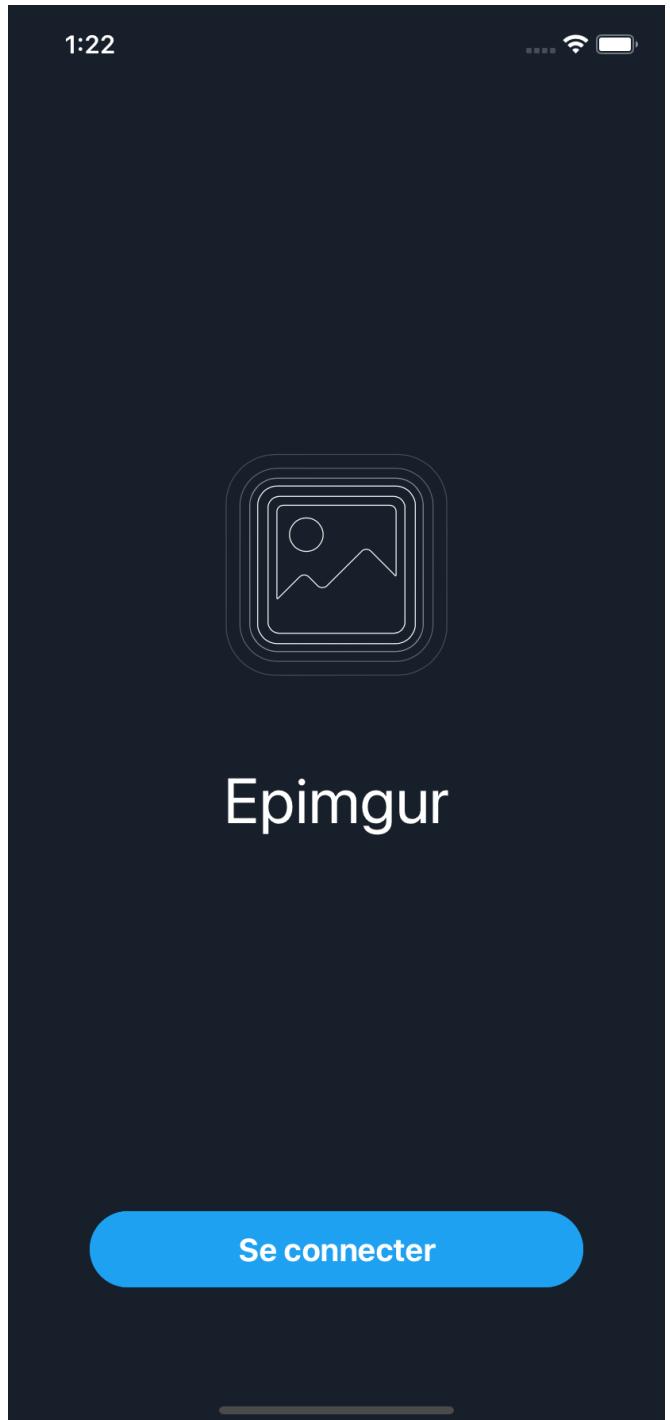
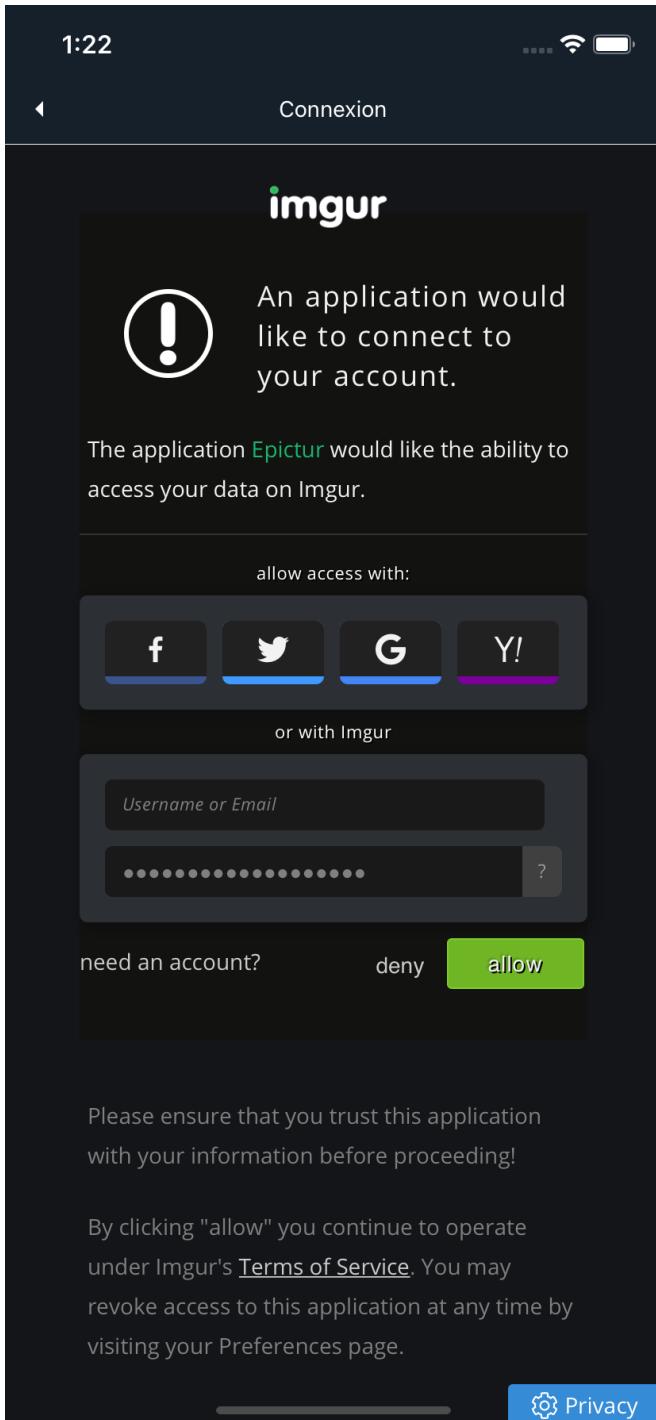
How to use it

- Log in with your IMGUR credentials on the home screen.
- You can view the HOT, TOP and VIRAL on the home screen thanks to the filter in the header.
- To add a photo to your account, click on the blue button at the bottom right of the home screen or click on "Upload" in the drawer.
- You can search the images on the Search tab with the keywords present in the title of the desired image.
- Browse your favorite images on the Profile tab then favorites. You can remove or add a favorite by clicking on the star or vote up/down by clicking on the arrows.
- Admire your profile counted your user points and many other information.

Features



Loading screen: This is the first screen you might see. This quick screen is the loading page, it's will check if there is the access token and username from Imgur in your cache. If there is an access token, you will be redirected to the Home Screen, otherwise, the login page will appear.

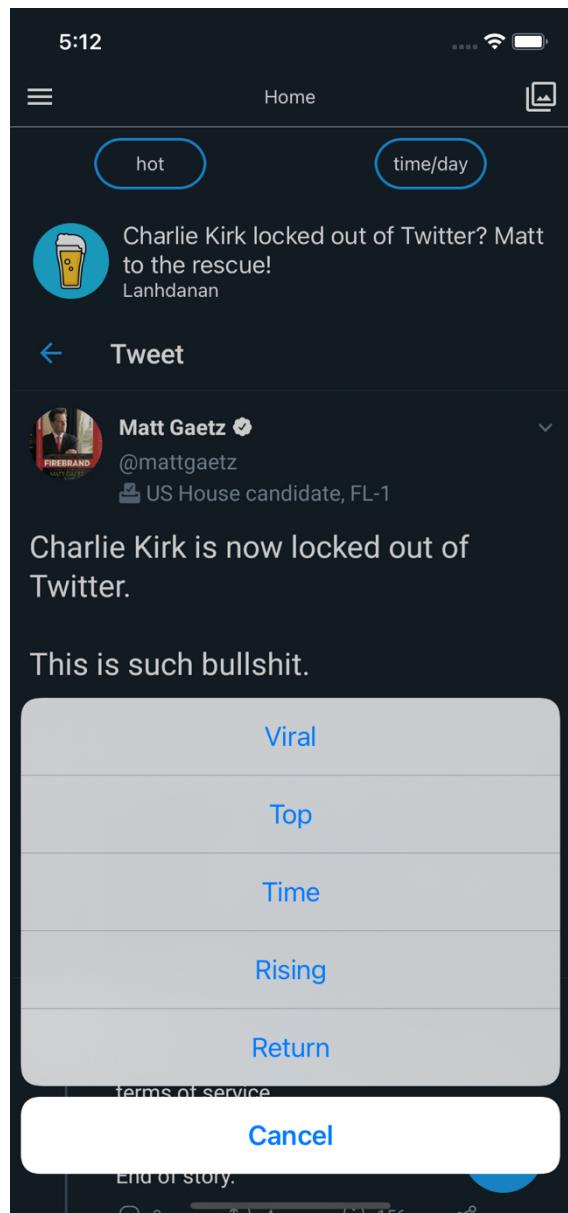


Login screen: If you are not logged in, just click on “Se connecter” if your device is in French. Then, enter your login information.



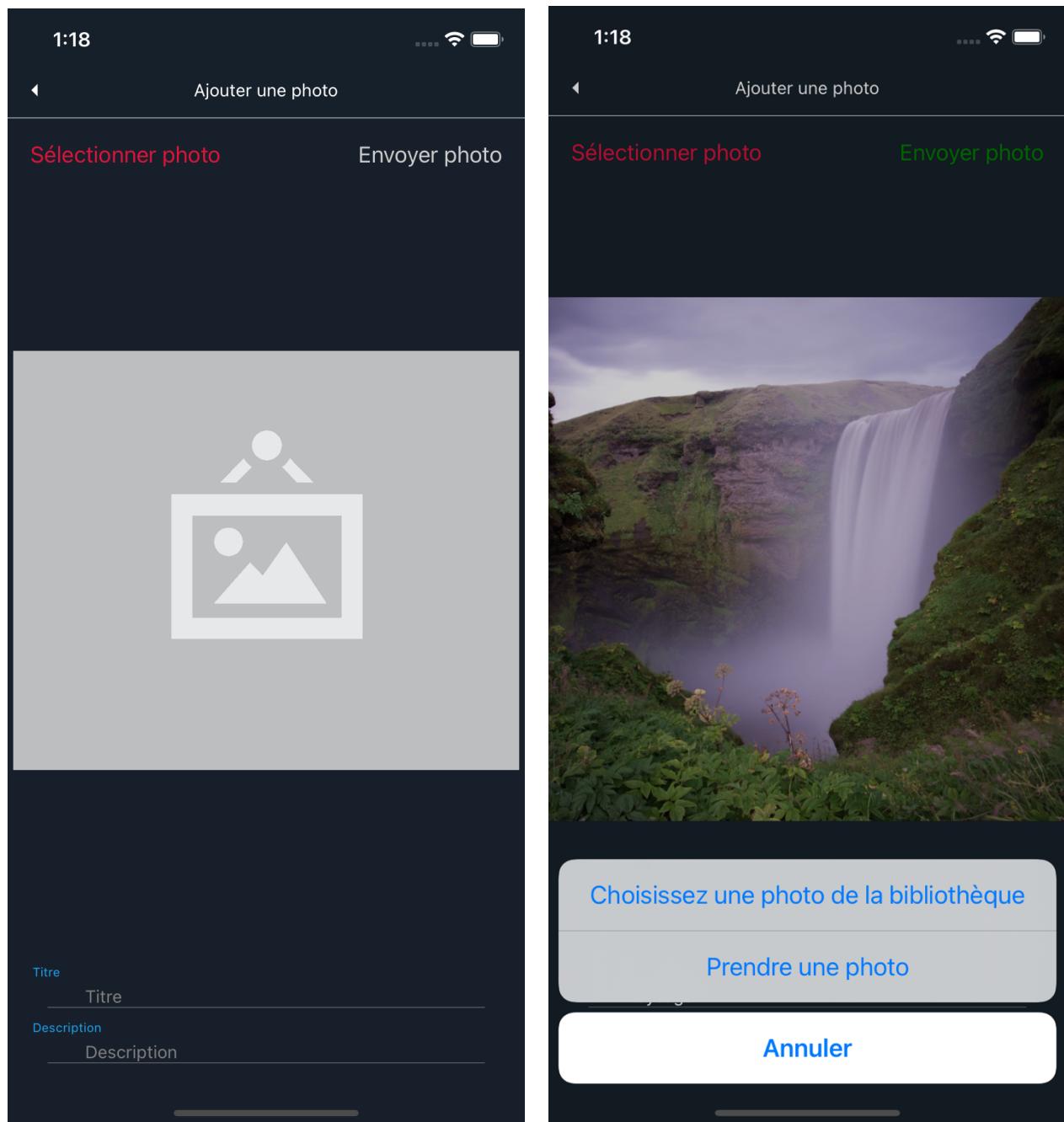
by clicking on the filter icon at the top right, you can filter the news feed

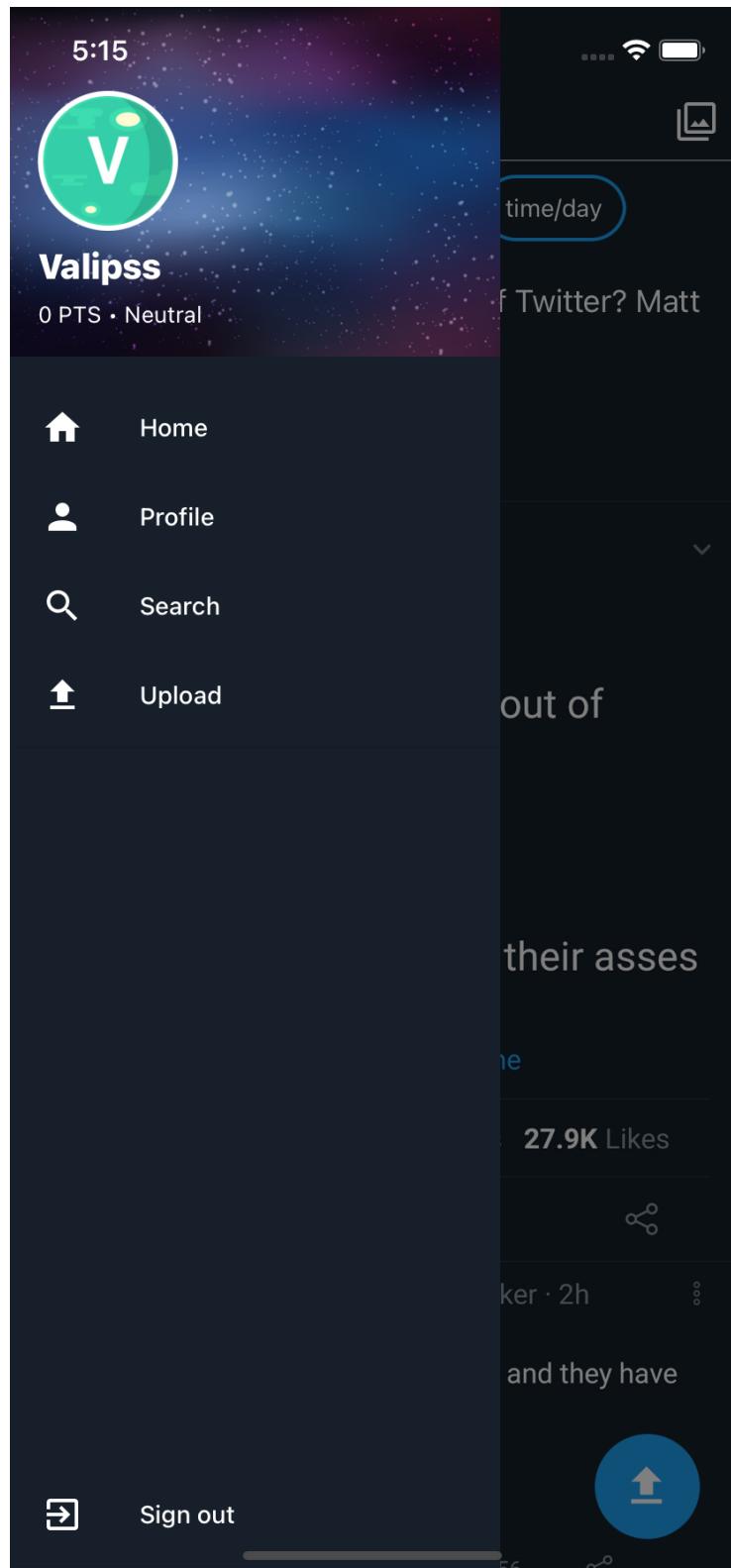
Home screen: Once logged in you will see on the home screen you will see random images coming from Imgur. On every image car, you can up/down vote, and add a image to your favorites. You can also share a post.



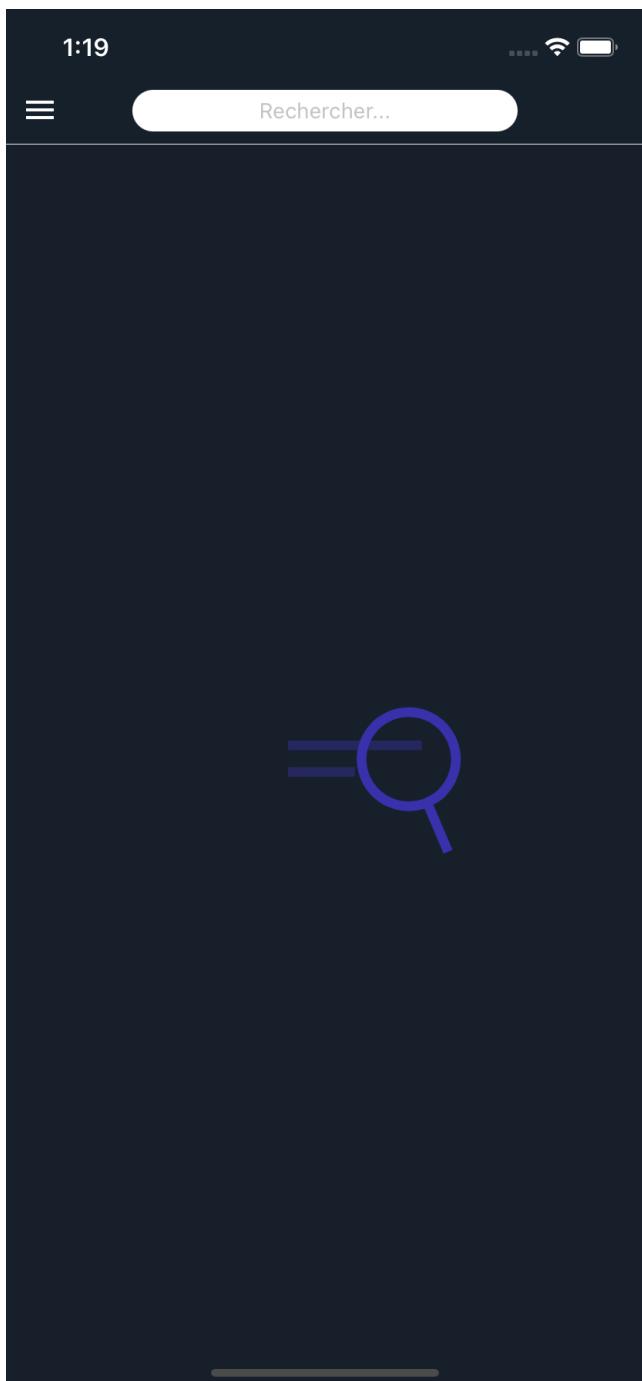
Upload screen: On the Upload screen, you can upload a picture from your library or take one from your camera. You can also take one from your camera. Then, you can resize it!

Before sending it, you can add a title and a description.

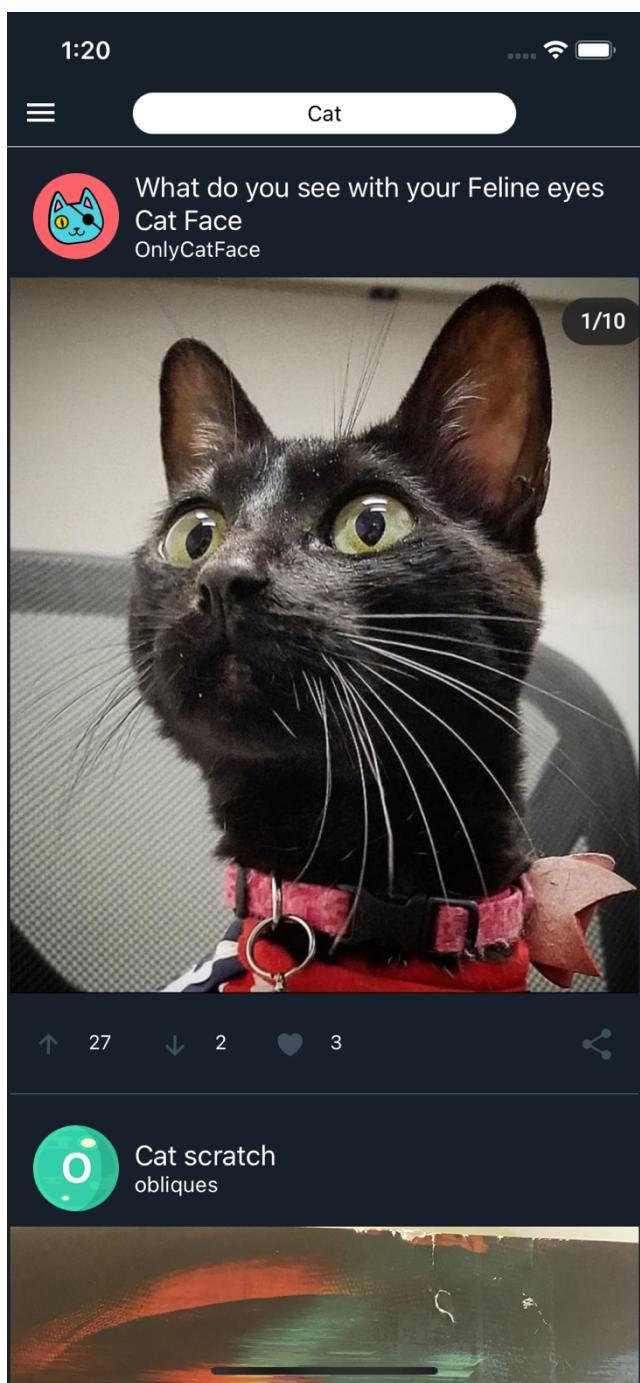


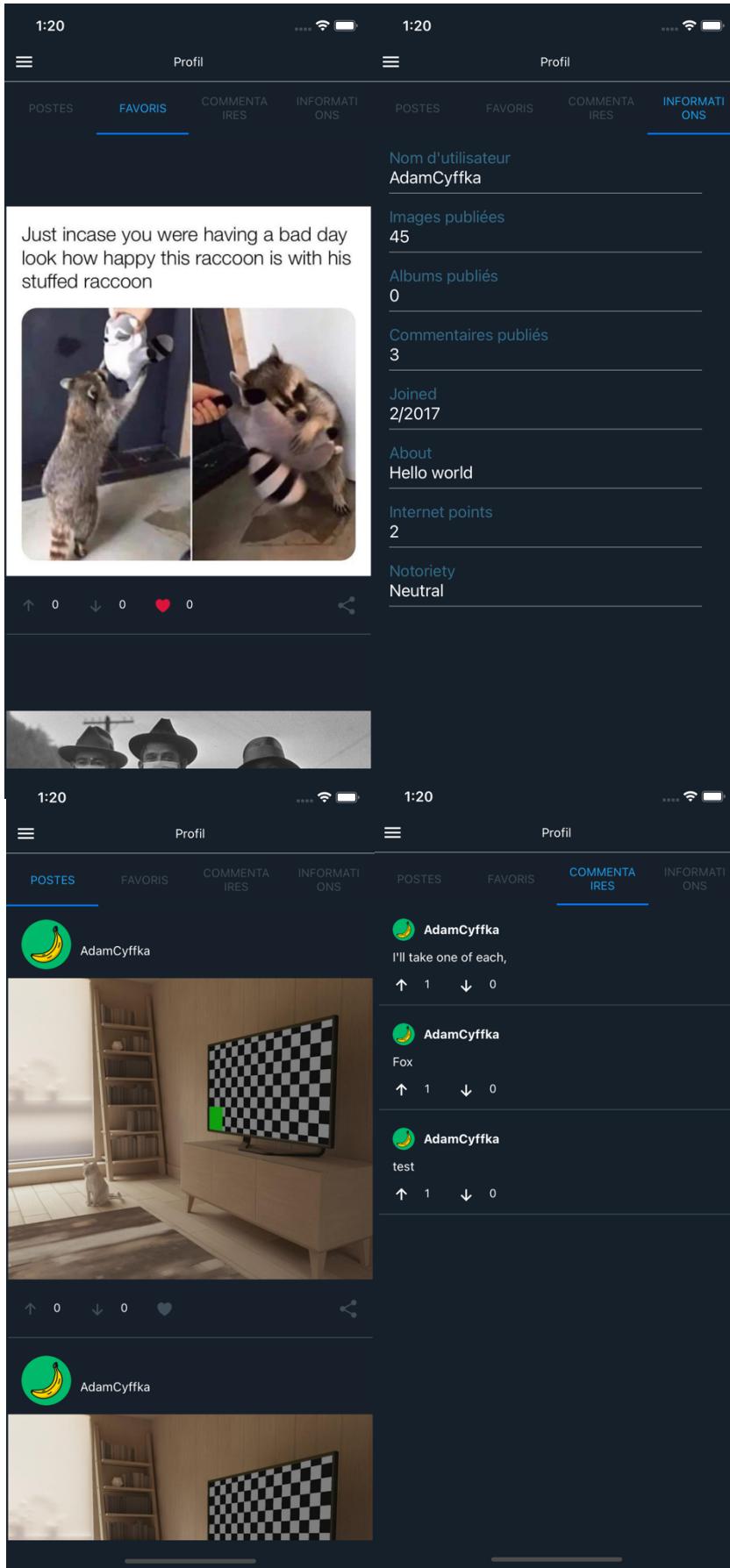


Drawer screen: You can navigate on all the application pages through the drawer navigator.

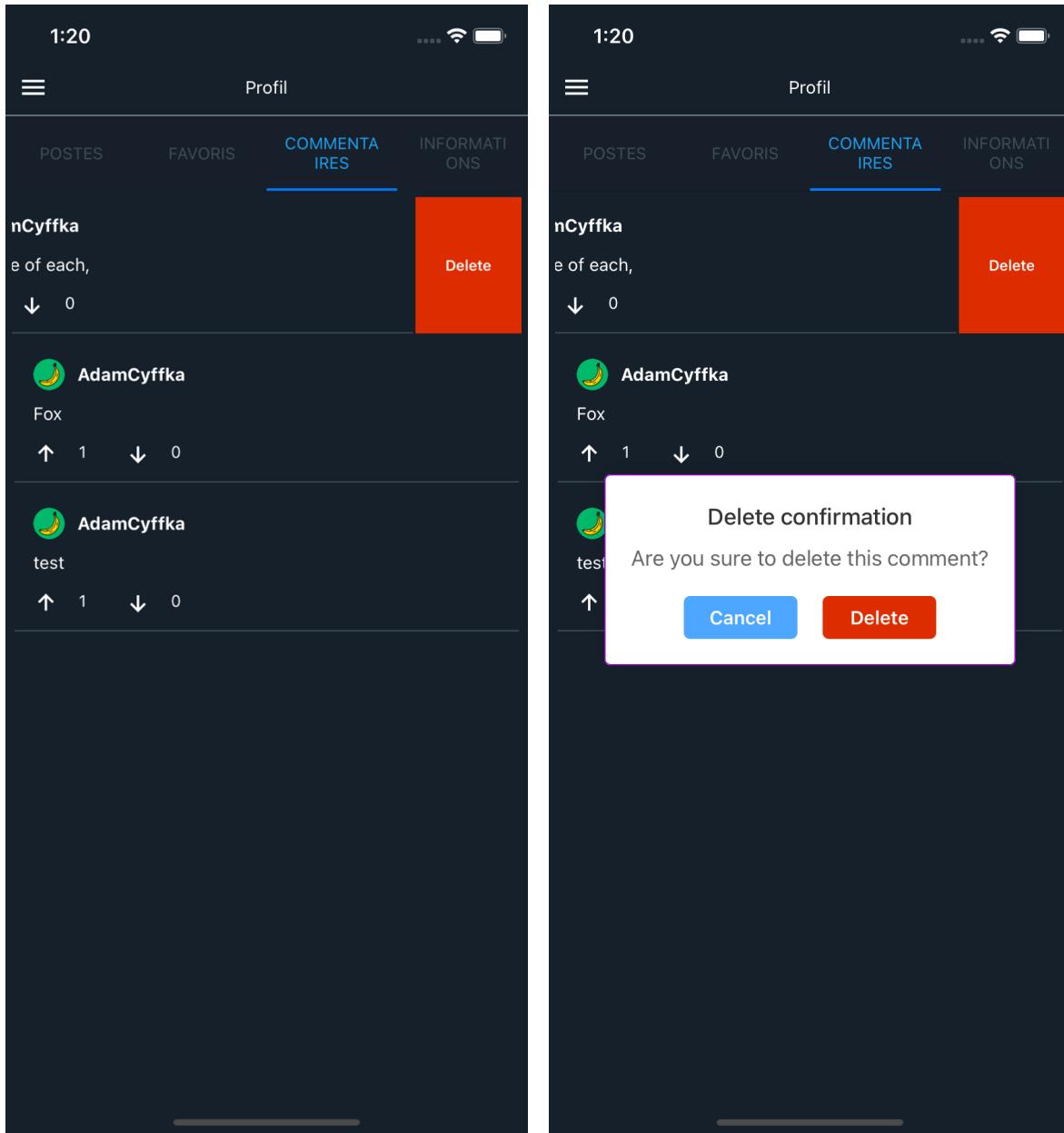


Search screen: You can do a keyword search on Imgur via the search bar.





Profile screen: On the profile screen, you can find your posts, favorites, comments and some information.



Comments screen: On the comments screen, you can also delete your comments, just slide to the right to delete on comment.

Translations: All the application is translated into French and English. You just have to change the language of your phone.

