**Epicture**

Tek3 Project | Epitech { Lille }

**Documentation**

Table of contents

[General information 3](#_bookmark0)

[Presentation of the Epicture Project 3](#_bookmark1)

[How to use the Epicture ? 3](#_bookmark2)

[The Epicture Project 4](#_bookmark3)

[Architecture of the project 4](#_bookmark4)

[Explanations of the components 5](#_bookmark5)

[Image 5](#_bookmark6)

[Layout 5](#_bookmark7)

[Picker 5](#_bookmark8)

[Search 5](#_bookmark9)

[Vote 6](#_bookmark10)

[Dependencies 6](#_bookmark11)

[React-native-image-crop-picker 6](#_bookmark12)

[React-native-vector-icons 6](#_bookmark13)

[React-native-video 6](#_bookmark14)

[React-native-webview 6](#_bookmark15)

[React-navigation 6](#_bookmark16)

[React-navigation-stack 7](#_bookmark17)

# 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 use the Epicture ?

To use the project, clone the repository then execute:

* yarn install
* Define the ANDROID\_SDK\_ROOT environment variable
* react-native upgrade –legacy-true (If you don't have an android folder)
* react-native start

for Android:

* react-native run-android

for iOS:

* cd ios && pod install && cd ..
* react-native run-ios

To build the android APK, clone the repository and execute these commands:

* yarn install
* Define the ANDROID\_SDK\_ROOT environment variable
* react-native upgrade –legacy-true (If you don't have an android folder)
* cd android && ./gradlew assembleRelease

You must have a device connected to your computer or an emulator launched to be able to run the project. After those commands, the application would appear on your device. You can now use it.

# 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/.

Une image contenant texte

Description générée automatiquement

**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.

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

**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.

Image

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Props** |
| **CircleImage** | Displays an image with a circle  design | **Pic**: url of the picture  **Size**: size of the circle image |
| **ImageView** | Display a complete image card with the name of the author, the title, the description, downs and ups votes. Used in Home  view | **Image**: object containing every informations of the post (username, profilepic, url, title, description, ups, downs, vote,  favorite) |
| **SquareImage** | Displays an image with a square image | **Item**: object containing a thumbnail and the id of the  picture displayed |

Layout

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Props** |
| **Layout** | Handle the layout of the application, containing the  views | **Title**: title of the view  **Font**: font used for the title  **fontSize**: size of the font |
| **Navbar** | Handle the navigation bar | // |

Picker

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Props** |
| **CameraPicker** | Display the camera image picker | // |
| **GalleryPicker** | Display the gallery image picker | // |

Search

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Props** |
| **CustomSearch** | Display the search bar and the filter button to search images with the Imgur API | **updateSearch**: method called to refresh the images object from the parent  **changeSort**: method which handle the filter of the search **search**: search string  **sort**: filter |

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 |