Technical Documentation

Getting Started

A brief introduction

Epitcure is an android mobile project realisated by two students. The objective was to recreate a simple copy of the imgur website (https://imgur.com/) where you can post pictures, videos and interact with posts of the community.

The functionalities

We can split the application in three parts:

- The login

For the login, the user has to log in to the imgur platform by deep linking. It is detailed in the imgur api *Authorization and Oauth part*. The application gets an access token and an user id to send several requests.

- The home

In the home part of the application, the user can see general posts of the community or search for specific types of posts.
The user can modify filters for the posts he wants to see (trending or time filters).

- The profile

The user can access to some simple data from his profile. He can watch his posts and his favorites posts. He can also post pictures from his phone (from the gallery or the camera) that are private (accessible from the website)

For all posts, the user can like, dislike or favorite the post and see general data about the post.
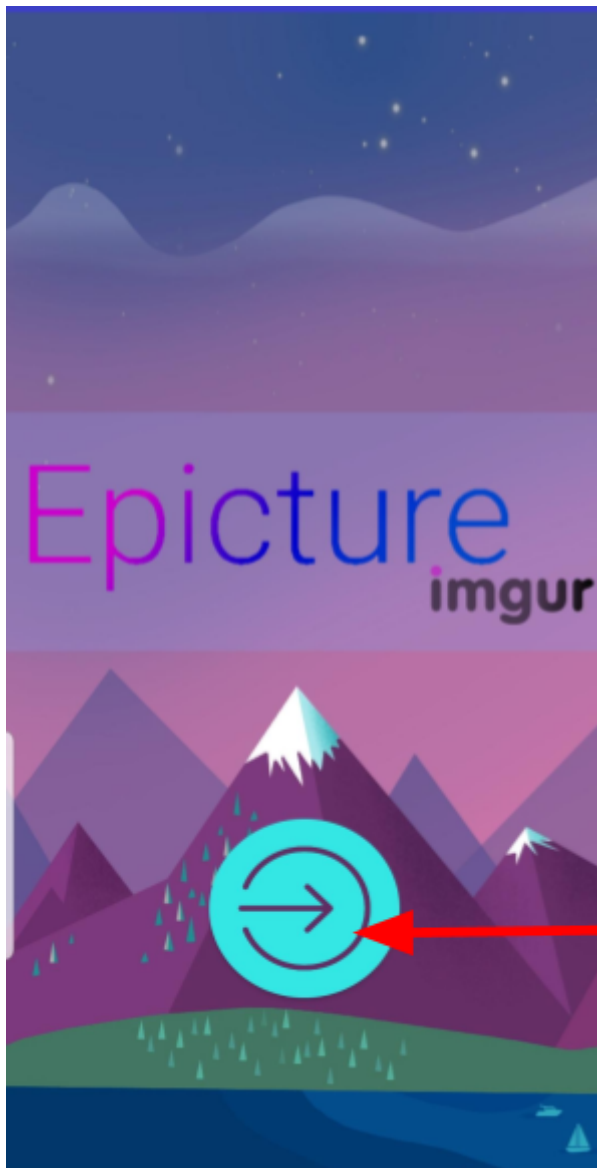
The technologies used

The project was developed on Android Studio in Kotlin. The application is built with Gradle.
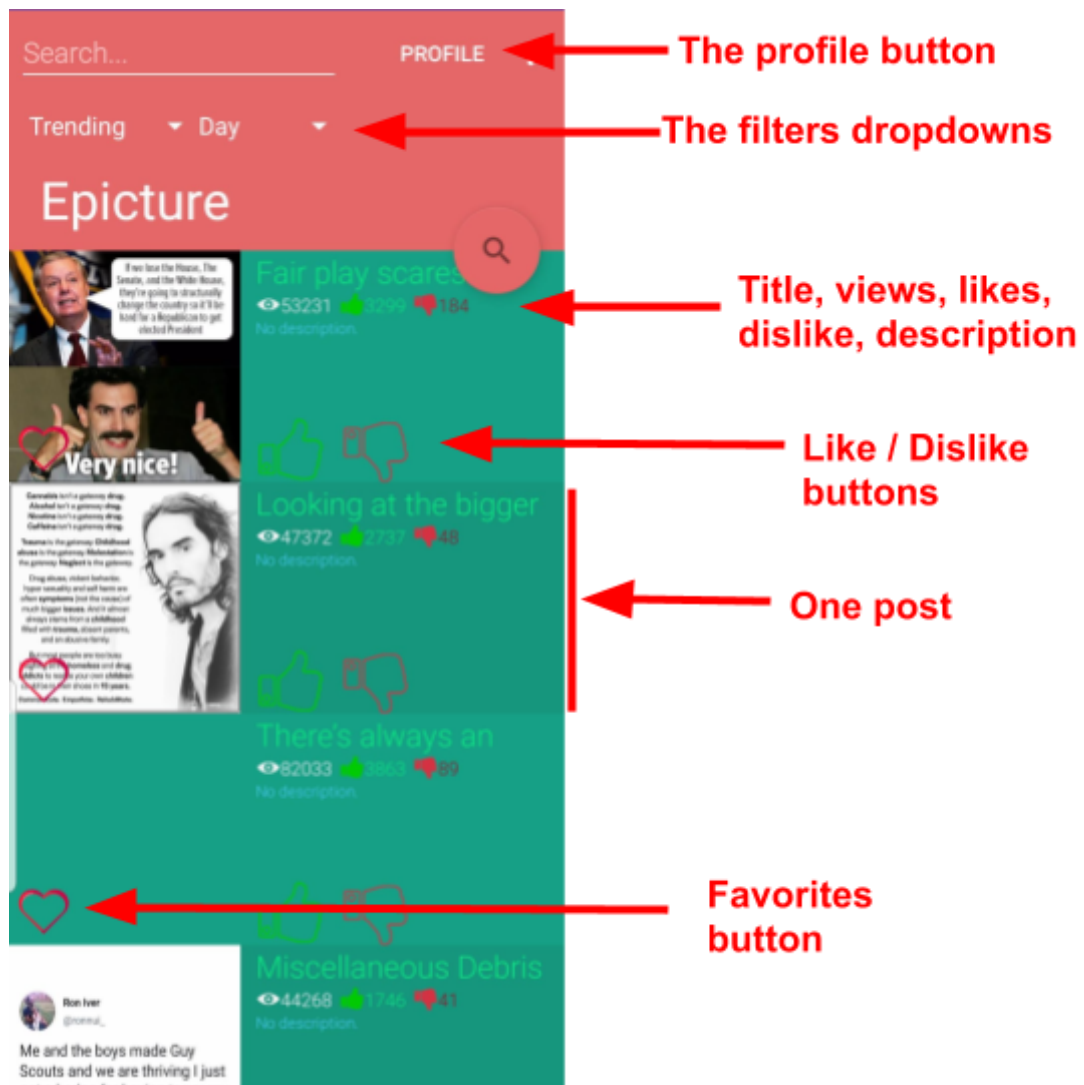
The functionalities

The login page

In the first page of the app, the user can login to the imgur platform. He's being redirected automatically to the platform and redirected back to Epicture after clicking on the button.
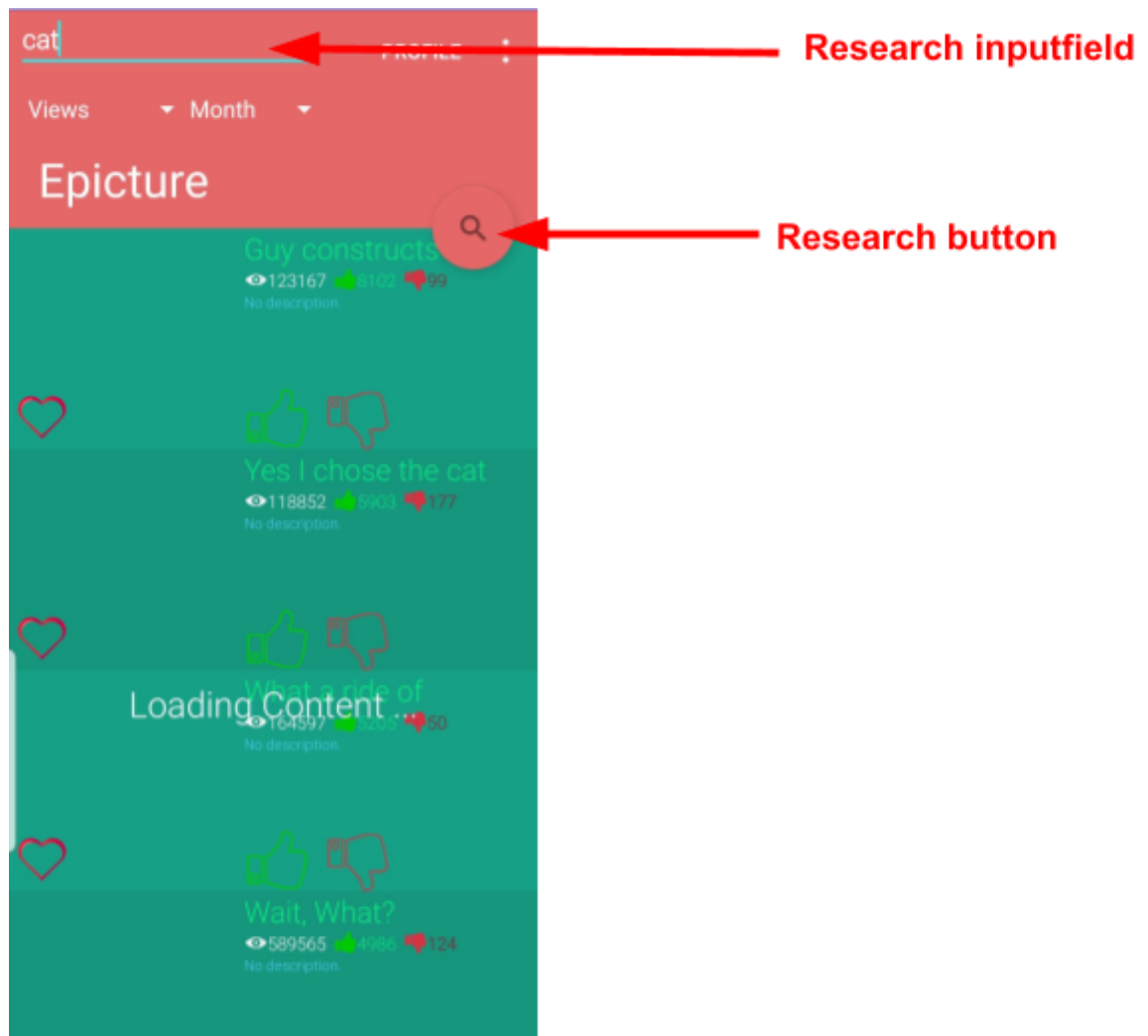

The login button

The home page

After being logged, the user is redirected to the homepage of the application. He can see posts from all imgur users. He's free to apply filters or to research specific types of posts. Finally, he can access his profile through a button.
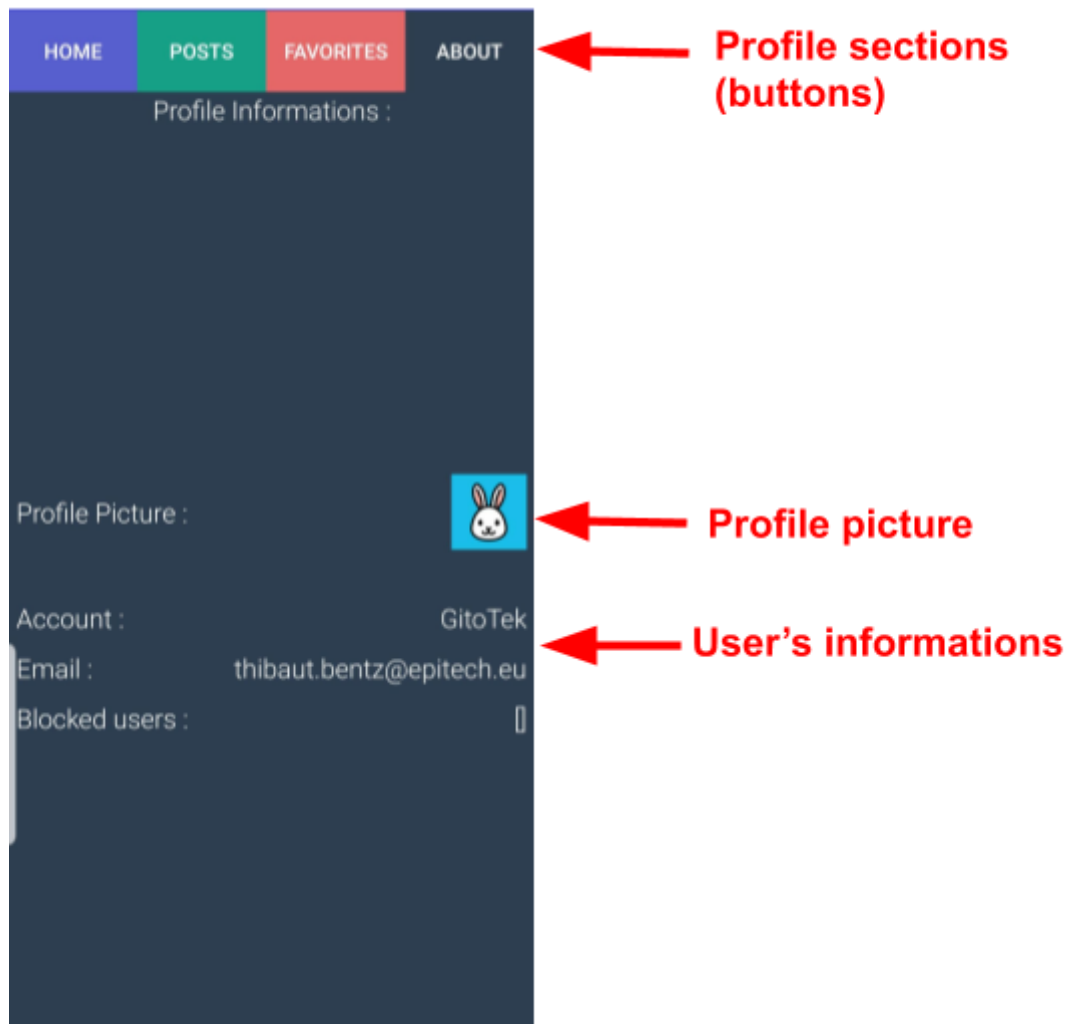
The home page with filters and research

Here is an example of a research on the home page. The user has researched for "cat" posts. Here, the user modified the filters to get posts by number of views by month.
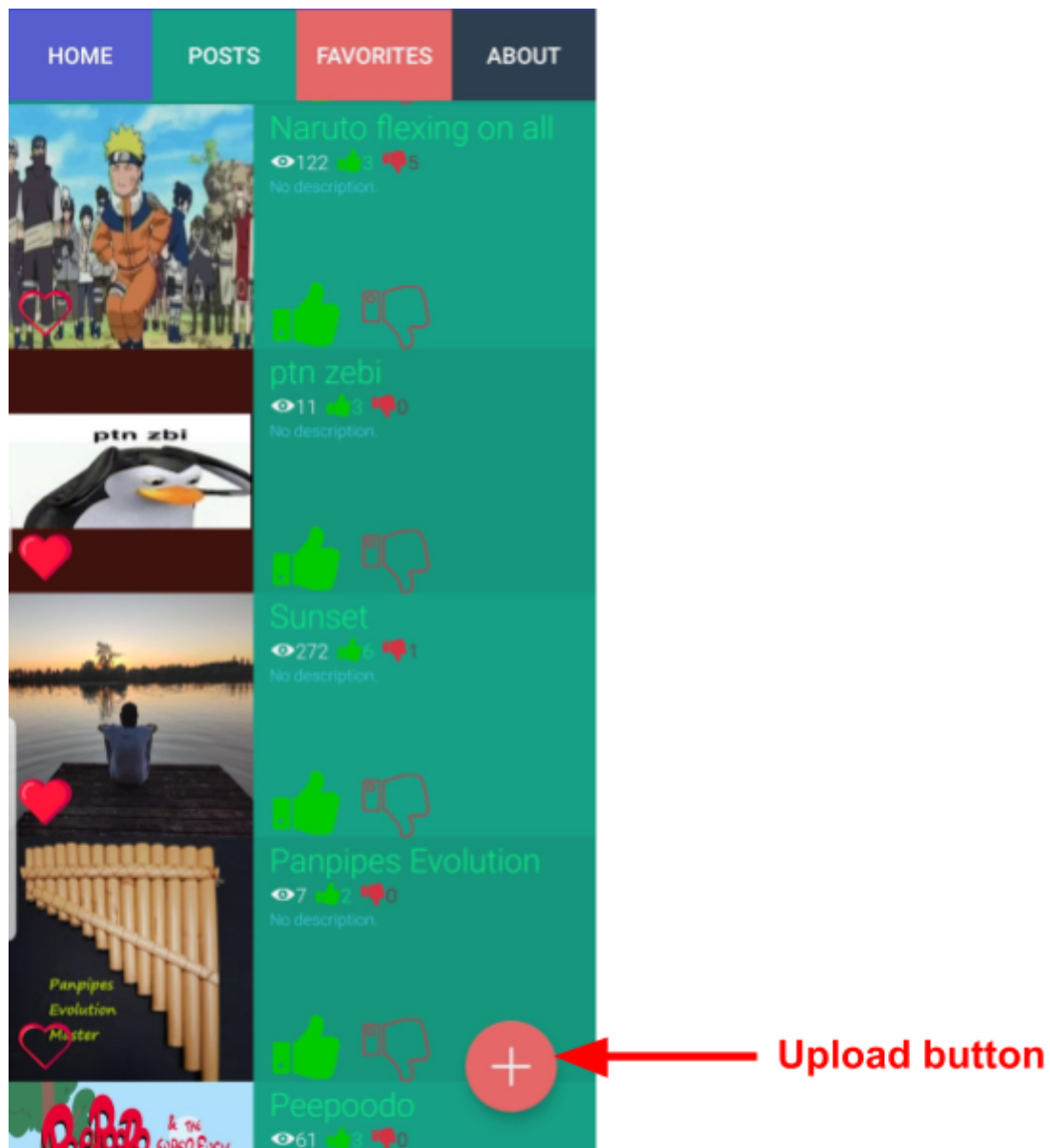
The profile about section

After clicking on the profile on the home page, the user has been redirected to the "about" section of the profile. We can see the user profile picture and some informations about him.

The profile posts section

Here, we can see some posts that the user has published to the community. The button at the bottom right of the screen offers the possibility for the user to upload a new post.

The profile upload section

Here, we can see that the user is going to upload a new post. He has to give a title and a description. Then, he has to choose a picture (by gallery or by camera) and just has to submit to upload a new post. On submit, the user is being redirected automatically.

The profile favorites section

Here, we can see all the posts that the user has favorited.