Epicture Dev Documentation

1. Component Diagram
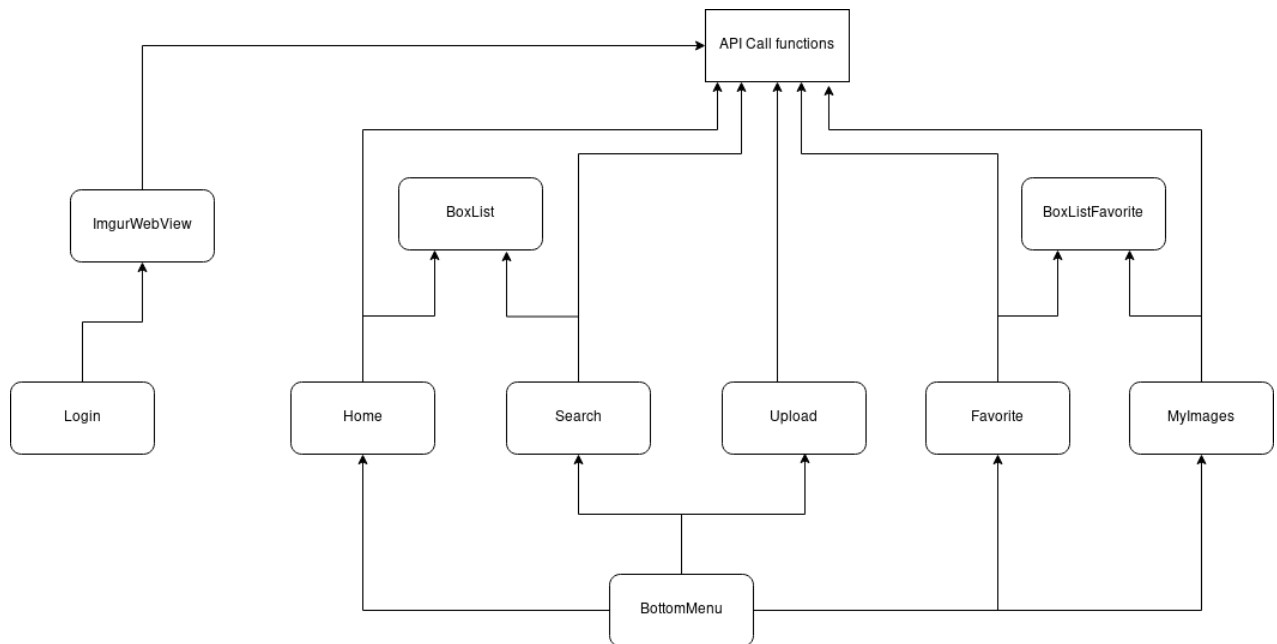
Login : First page that is displayed when the user launch the application. There is one button that redirect to the ImgurWebView.

ImgurWebView: display the Imgur WebView, the user can login to its Imgur account.

BottomMenu : Menu displayed at the bottom of the screen where you can navigate between the screens (Home, Search, Upload, Favorite, MyImages).

Home : Display a list of random images from Imgur.

Search : The user can search images by typing keywords in a searchbar.

Upload : User can select an image from its gallery or its camera and upload it on Imgur.

BoxList / BoxListFavorite : Components that actually display the list of image.

Favorite : Display the list of images that were liked by the user.

MyImages : Display the list of image that the user have uploaded.

API Call functions : Is not a component, it is all the functions used to communicate with the API.

2. Fonctionality Description

User	Epicture	Imgur API

Login Page
- Click on login →
- ← Imgur login WebView
- Login of imgur and send identification token →

Home Page
- User is at Home Page or/and refresh →
- GET, Random images, page 1 →
- ← List of random images
- ← Display the list of images

Search Page
- Type a keyword in the search bar →
- GET, images with keyword →
- ← List of images with keyword
- ← Display the list of images

Upload Page
- Click on Camera or Gallery button →
- ← Display Camera view / Gallery view
- Select Image to upload →
- ← Display Image selected
- Click on Upload →
- POST, image, identification token →
- ← Request response (success / failure)
- ← Display Pop-up success / failure

Zoomed Image (when you click on an image)
- click Like button →
- POST, favorite, image →
- ← Request response (success / failure)

Favorite Images Page
- User is at Favorite Image page or / and refresh →
- GET, favorite →
- ← Favorite image list
- ← Display favorite image list

My Images Page
- User is at My Image Page page or / and refresh →
- Get, user image, identification token →
- ← List of user Image
- ← Display User Image list