

Epicture Documentation

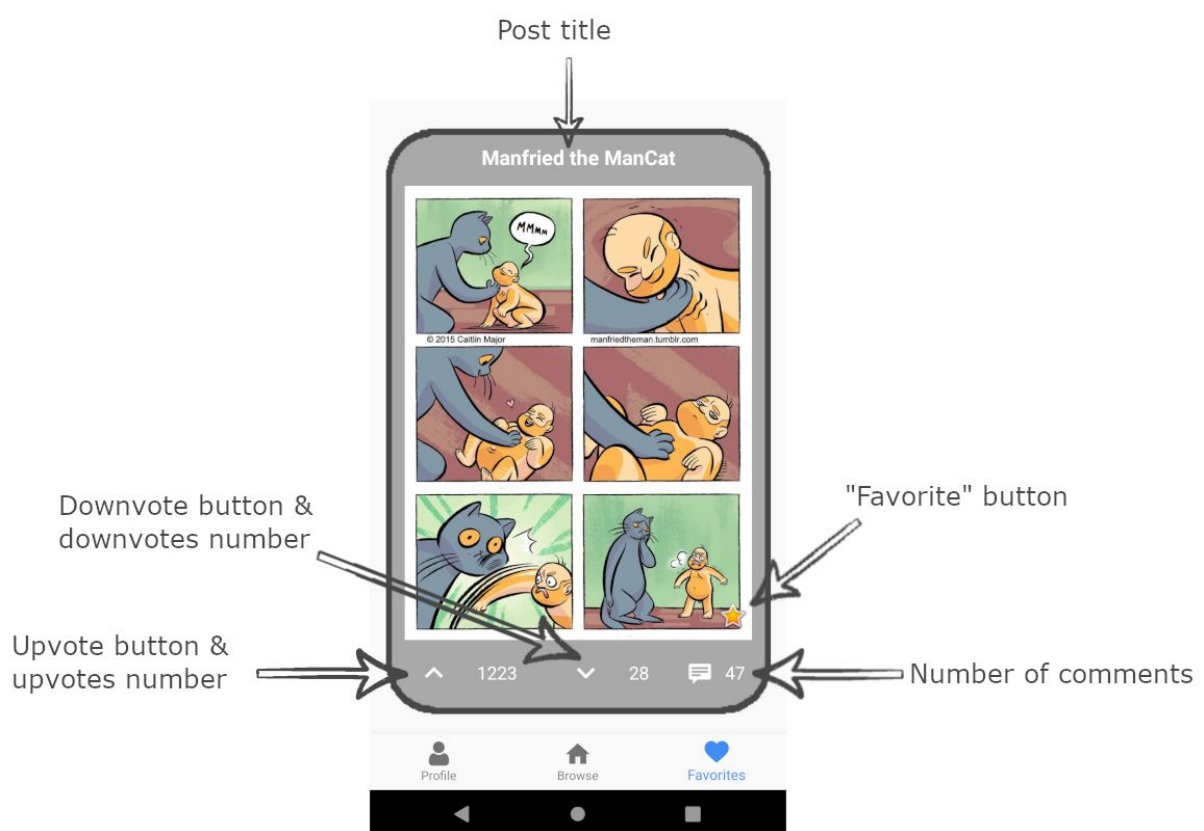
Project overview:

The Epicture project consists in the creation of a mobile application. This application is an Imgur client so it's built using the Imgur API (Imgur is a platform similar to Reddit used to share any kind of pictures).

This project was developed in the Android Studio IDE and using the Kotlin programming language.

User's guide:

- You can login into the application by clicking the "Login" button, you will be redirected to the imgur authentication page to login using your Imgur account.
- Posts are displayed using cards, here is an example of a post:



You can upvote/downvote a post by clicking the corresponding button and if you want to add a post to your favorites just use the “Favorite” button.

- In the “Browse” section, you can see all the viral posts on Imgur, you can also use the search bar to look for specific posts.
- The “Favorites” section of the app contains all the posts you have favored.
- You can see your profile information along with your uploaded pictures in the “Profile” section of the app.
You can logout from the application by clicking the button at the bottom of your profile page, below your uploaded pictures.
- By clicking the “upload” button in your profile you can access the upload page, in this page you can upload a picture to imgur either by selecting a picture from your gallery or by taking a new one with your camera.
Don't forget to add a title to your post!

Project structure:

All important files are contained in the *app/src/main/* folder.

The different pages of the application (xml format) can be found in the *res/layout/* folder, here are the pages that you can see:

- activity_main.xml
- activity_register.xml
- activity_upload.xml
- browse_page.xml
- favorites_page.xml
- profile_page.xml
- image_card.xml

For the back-end part of the application, you can find the kotlin files in *java/com/example/epicture*, here are some quick descriptions of each files:

- `Photo.kt` → Class with all information about a post.
- `ToastPrinter.kt` → Function to print toasts with custom messages.
- `RegisterActivity.kt` → Function to login into the application.
- `UploadActivity.kt` → Functions related to the "Upload" page: ask for permission, take pictures from gallery, open camera & upload to imgur.
- `BrowseFragment.kt` → Functions related to "Browse" page: fetch latest viral posts, search for topics & display everything.
- `FavoritesFragment.kt` → Functions related to "Favorites" page: fetch favorites posts and display them.
- `HomeFragment.kt` → Functions related to "Profile" page: display profile picture, fetch pictures uploaded by user and display them.
- `MainActivity.kt` → Functions not related to specific pages: data transfer & navigation between pages.

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