Assignment 2: Group project

Project idea:

Instagram clone

\*\*\*We need to give the project another name.

# Project Group Member:

|  |  |  |
| --- | --- | --- |
| No | Student Name | Student Number |
| 1 | Pham Dieu Binh |  |
| 2 |  |  |
| 3 |  |  |

**Team Number**

Group 02

**Team member details**

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Student ID** | **Email Address** |
| Pham Dieu Binh | 33784908 | [im.lyaclip@gmail.com](mailto:im.lyaclip@gmail.com) |
| Soh Wee Kee Jeremy | 33582314 | [astray03@gmail.com](mailto:astray03@gmail.com) |
| Yue Kok Weng | 33569494 | [yuekokweng@hotmail.com](mailto:yuekokweng@hotmail.com) |

# Introduction:

Instagram is very popular mobile application that allow user to take photos, record videos, filter the photos and posts in social platform. This project is purposed to build a similar application that can access phone photo library, using camera to take photos and videos and upload online.

# Requirement:

- Database: SQL lite (other platform needs to be asked for approval)

* USER (UserID, Username, User\_Email, User\_Password, User\_DOB, UploadID)
* UPLOAD (UploadID, Upload\_Type, Upload\_Date, Upload\_caption)

For Upload\_Type in table Upload should be either Photo or Video.

- Gradle build system

- Minimum API level 27

# Basic Feature:

\*\*\* There are basic features that I found it’s possible for us to implement. All the examples are from Android developers website, source at: <https://developer.android.com/samples?language=java>

- My profile display: personal page that store history

- Record video: example from Android developers website, source at: <https://github.com/android/camera-samples/tree/master/Camera2VideoJava/#readme>

- Take photo

- Create a new account and log in: Add autofill frameworks, source at:

<https://github.com/android/input-samples/tree/master/AutofillFramework/#readme>

- Change photo effect: example from Android developers website, source at: <https://github.com/android/graphics-samples/tree/master/MediaEffects/#readme>

- Write a short caption for the photo and video.

- Upload online.

# Advance Feature:

\*\*\* Advance feature to be considered after we completed all the basic function of our project:

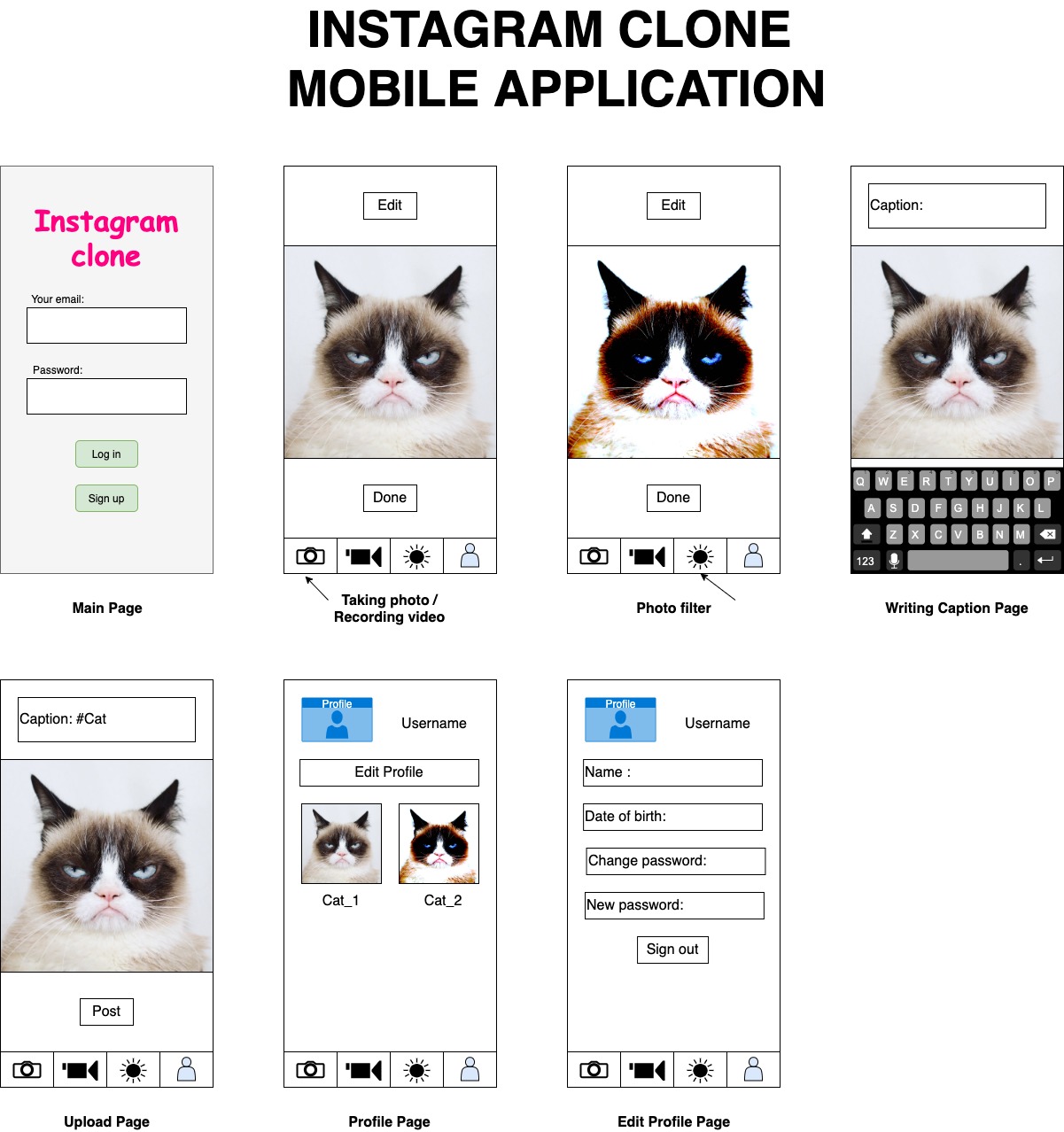
- Playback video when switching to another app: Android studio example, source at:

<https://github.com/android/media-samples/tree/master/PictureInPicture/#readme>

- Location GPS that indicate where the photo/video is taken.

# Outline:

Storyboard:



# **Team Charter**

Prepare and submit the team charter. As a minimum, the team charter would have:

## **Names of team members and contact details**

|  |  |
| --- | --- |
| **Team Member** | **Contact Details** |
| Pham Dieu Binh | 97971170 |
| Soh Wee Kee Jeremy | 81984362 |
| Yue Kok Weng | 81234692 |

## **Team Communication Methods**

The following communication methods will be applicable to our team:

* ***Face-to-face*** meetings for discussion and clarifications
* ***WhatsApp*** messenger will be used as the main form of communication
* ***Google Drive*** will be used for storing of common documents and assets
* ***GitHub*** *will be used to sharing of our codes and for version control*

## **Team Member Expectations**

|  |  |
| --- | --- |
| **Team Member** | **Expectations** |
| Pham Dieu Binh |  |
| Soh Wee Kee Jeremy | To build a robust and unique app. And most important, having an in-depth understanding on how android development works after the assignment and unit. |
| Yue Kok Weng | To be able to understand how an Android Application on a mobile device is being built and how it is able to interact with features of a mobile device. |

## **Constraints on each team member**

(work days and times, other units, family, etc.)

|  |  |
| --- | --- |
| **Team Member** | **Constraints** |
| Pham Dieu Binh |  |
| Soh Wee Kee Jeremy | Other than this unit, I have bi-weekly lessons on Thursday & Saturday as well as a weekly lesson on Monday. My work schedule is Monday to Friday on a 9am - 6pm basis. |
| Yue Kok Weng | My workplace is at Changi and I live in the North. I am able to make time on weekends to meet up for assignment submission or study. I have an alternate Saturday class. |

## **Conflict resolution procedure**

1. Conflicted parties are expected to take a breather to calm down for at least 10 minutes before resuming any ongoing discussion.
2. If the conflict remains, other team members are to step forward to assess the situation.  
   Conflicted parties are expected to take turn in explaining their individual conflicted point in detail to the other members where they will then discuss among themselves for a consolidated stand in the current situation.
3. If there remain conflicts that cannot be resolved internally, the team should proceed with the group dispute form whereby the lecturer or unit coordinator will assist in resolving the conflict.

The team agree that each of us have read through and have no form of dispute with regards to the information listed in this team charter document.

Signature by

Signature by

Signature by