Assignment 2: Group project

Project idea:

Instagram clone

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

# 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:

