# Personal Assignment 2

## Mobile App Programming 2020 Spring
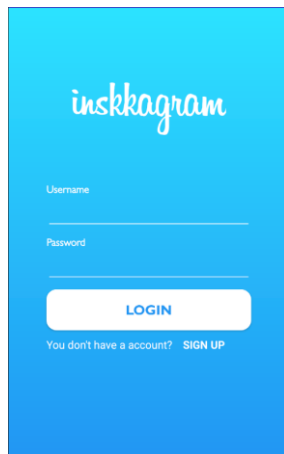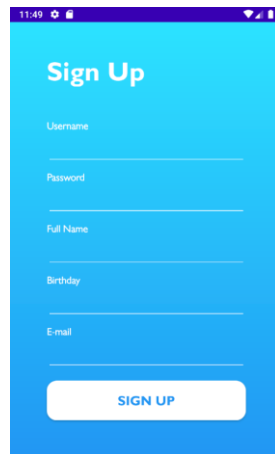
# Before make projects

- This Assignment includes some contents that we didn't treat in class.
- We will provide basic concepts and some tips. Maybe, you have to search them to make your assignment project.
- (Android has many libraries to make your application awesome. But we can't treat all of them. Therefore, the purpose of this PA is using more libraries which google provided.)
- If you have any questions, please use google sheet PA1 page.
- **(We will not check email, please use google sheet)**
- **The minimum sdk is API 19 and target sdk is API 29. Please check it.**
- **We upload PA1 answer code on ICAMPUS. Please refer it.**
- **After submit your assignment, You must not delete your PA2 firebase project. If you delete it, we can not give score to you.**
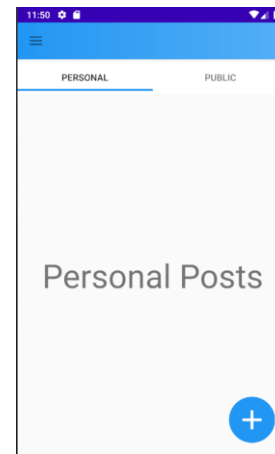
# Personal Assignment 2

- In PA2, you will implement 4 functions.
- 1) Login, Sign Up function (25 points)
- 2) Profile function (25 points)
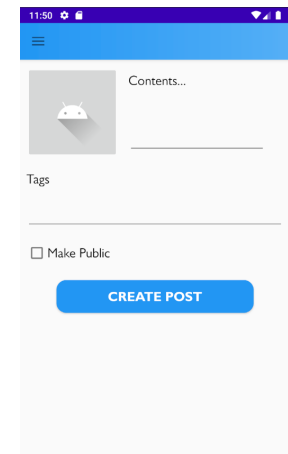- 3) Display Personal Posts, Public Posts (25 points)
- 4) Create Post (25 points)

Login Page     Signup Page     Main Post Page     Create Post Page

# Function 1. Sign up & Log in

- **Signup**
  - If user fill all blanks in signup pages, make new user information in your firebase database.
  - If user doesn't fill all blanks, show toast message "Please fill all blanks"
  - **Username** is **primary(unique) key** in user database.
  - If input username is duplicated, show toast message "Please use another username"
  - If signup is finished successfully, Go to login page and fill username.
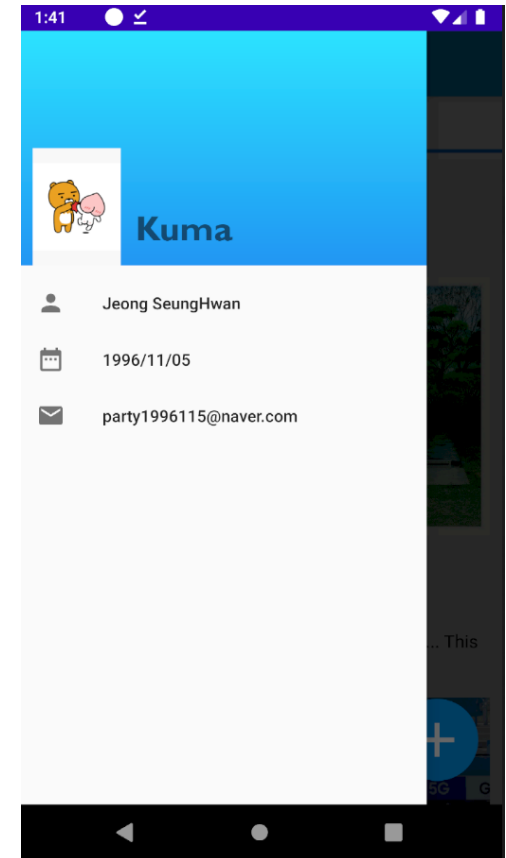
- **Log in**
  - If there is no input Username, show toast message "Wrong Username".
  - If password is wrong, show toast message "Wrong Password".
  - If Login is successful, Go to main post page.

# Function 2. Profile Function

- **Profile**
    - In your main post page and create new post page, drawer navigation will display user profile.
    - In your user profile, you should print your user data; username, full name birthday, and email.
    - If you click profile image, go to gallery application and select your profile image.
    - After selecting image, send it to firebase to save it as your **profile image.** (After that, If you re-login, you should display saved profile image.)
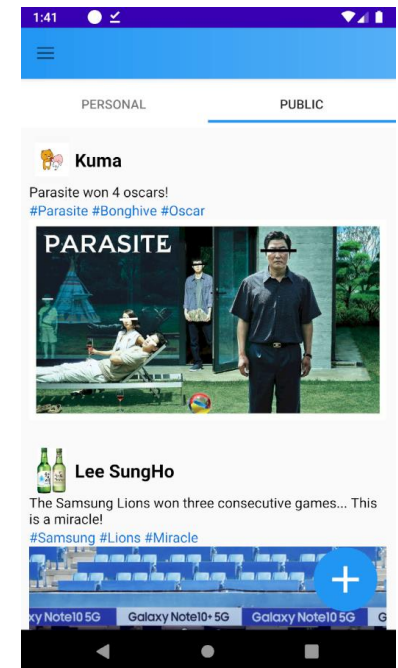
# Function 3. Display Personal/Public Posts Function
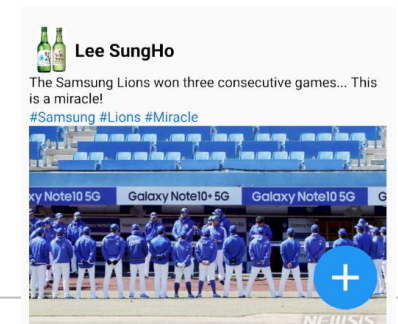
- **Personal/Public posts**
    - When you create new post, you should select post type; personal or public.
    - If you make personal post, it will display only personal tab.
    - If you make public post, all user which registered in your firebase database can see it.
    - All possible posts should be loaded in your application. And scrolling should be implemented to display them.
    - The Format of post is looks like left. If there are no image, you should delete image view.
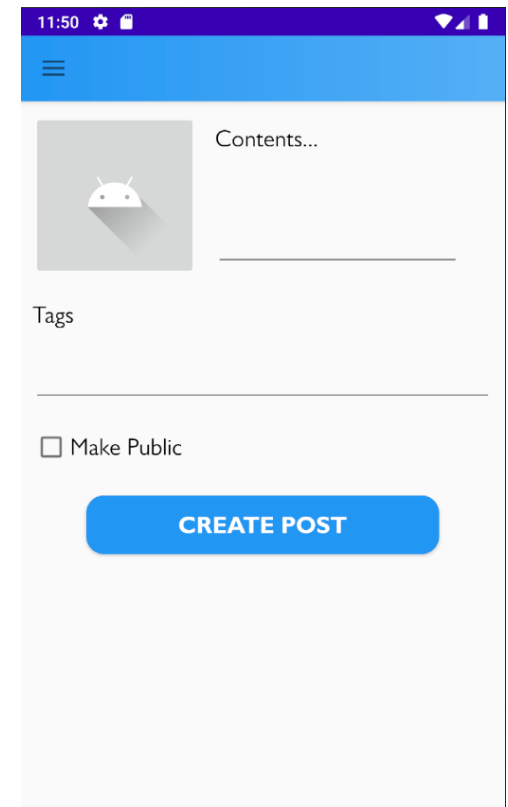
    (p.s Tag is just blue color text..)



↓ **Scroll down**

# Function 4. Create Post Function

- **Create post**
    - There are 4 components in post; contents(text), tags(text), Image, public/personal.
    - Only contents is essential.
    - If there are no contents, show toast message "Please input contents".
    - After creating new post successfully, Go to main post page.

# Submission

- **Due date : <span style="color:red">6/14 23:59:00</span>**
- **Submit Project directory (use extract to .zip)**
- **Change name as <student_id>.zip.**
- **Don't delete your firebase project.**
- **<span style="color:red">We don't allow delayed submission.</span>**