

Chatting Application

1 Objective

In this project, we want you to create a chatting application with GUI interface. You will mainly use android components for creating a user interface (GUI) and then implementing the functions of the application using java programming. This project is entitled as (chatting App) and this project is one of two projects assigned for this course.

2 Description

2.1 User interface (GUI)

The user interface of the program contains 3 Activities:

- MainActivity,
- LoginActivity
- ChatActivity

The MainActivity is the main screen and it is to login. A suggested GUI of the chatting main screen has been illustrated in Figure 1. *You can freely design your own GUI if you want but you have to include all the required functions of the project in your GUI design.*

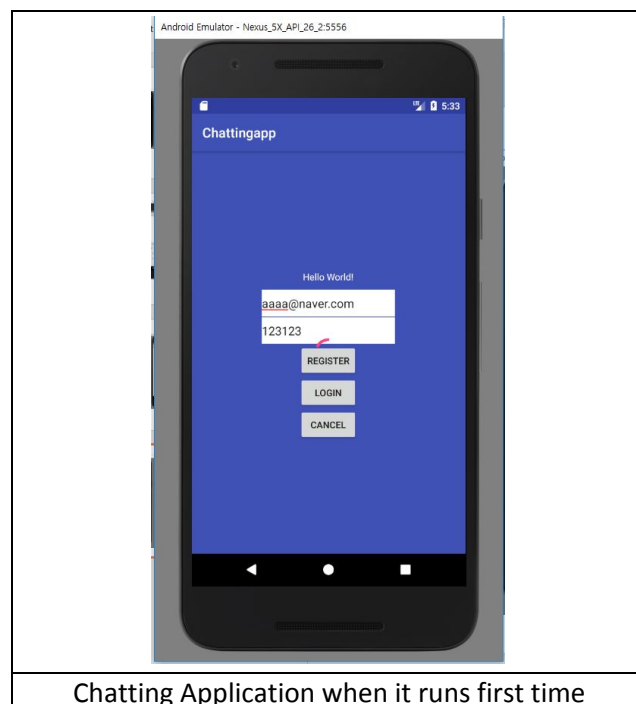


Figure 1: Memo Application

2.2 Functions:

- ❖ The main functions of chatting App are as follows:
 - **Register and Login memos as shown figure 1:**
When you insert ID, password and click REGISTER in main screen, your id can be register in application.
 - **Select friend to chat in list of app as shown figure 2:**
You can choose who you want to chat with.
 - **Both of you can see the chat screen at the same time as shown figure 5:**
 - Immediately reflected in chatting, you can distinguish what you and your opponent are saying.

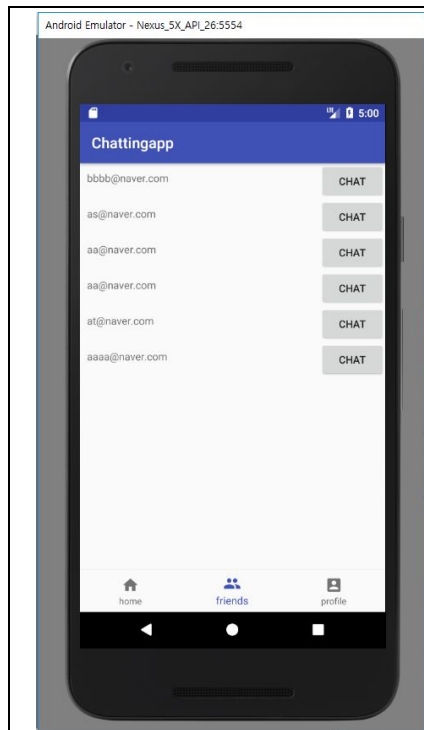


Figure 2: Screen for list of friends



Figure 3 : When first user access



Figure 4: When second user access

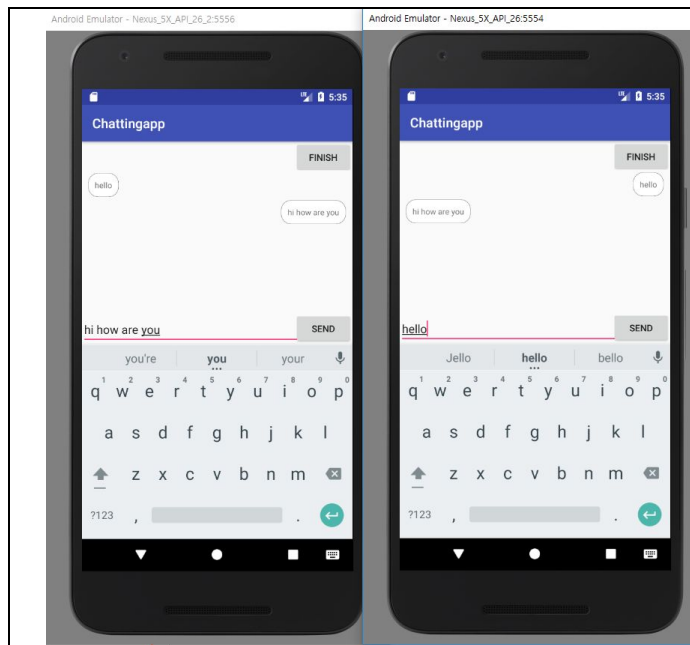


Figure 5: The screen where two people are interacting through the app

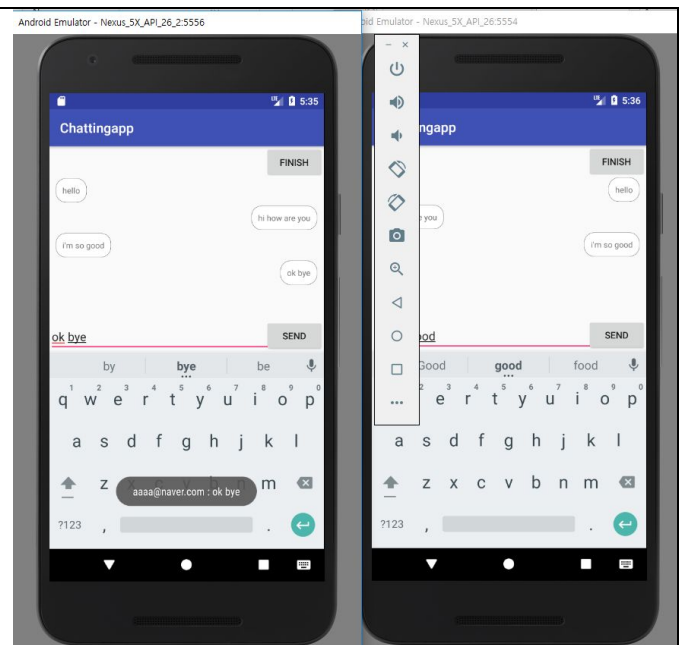


Figure 6: The screen2 where two people are interacting through the app

- Designing friendlier user interface (better than the suggested GUI).
- Using database to save chatting contents insisted of files.
- Adding more functions to the program such as photo view
- Handling and check abnormal case, such as:
 - Automatically lower the screen
- Change the skin (Look-and –Feel) of GUI from a Android-Bootstrap library or any other library.

- ✓ 50% functionality
- ✓ 30% architectural design, coding style (code convention)
- ✓ 20% commenting

Good luck!