

➤ Homework #2

Due date: 2nd/Oct, 23:59:59

Submit a zipped file of your application project folder

In the application source, you MUST give comments for important lines. Without comments, your solutions will be considered copy&paste codes.

You also need to provide a screenshot of your result (i.e., Screen of AVD or physical phone).

Put your answers in “AnswerSheet” section

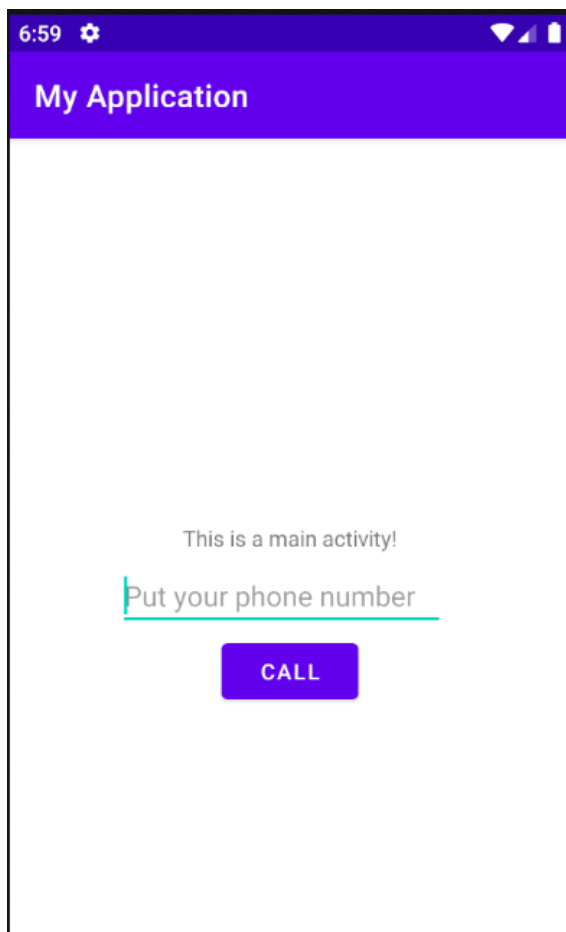
You must use Kotlin language.

DO NOT USE Deprecate APIs (e.g., `startActivityForResult()`, `onActivityResult()`, etc.)

– Complete the following instructions.

1) Create MainActivity and SubActivity for this assignment.

2) Edit the layout of MainActivity as follows:



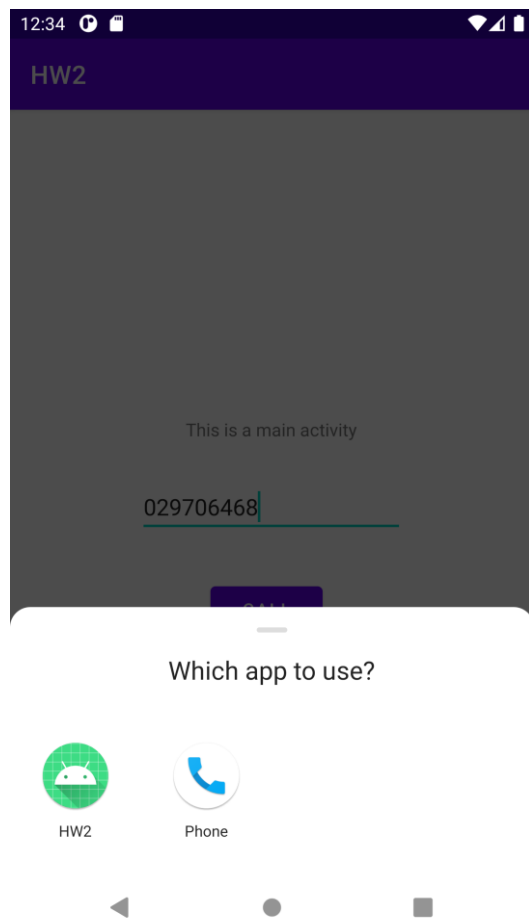
3) Write the code of MainActivity and SubActivity to complete the following scenario:

a) Launch your application. MainActivity must be opened.

b) Type any phone number in the textedit field.

c) Press “CALL” button

d) Your MainActivity must send “**implicit intent**” to find an application that can handle “dial capability (ACTION_DIAL)” using **the app chooser dialog**, and your application must be shown in the list! (Add an intent-filter to your SubActivity to receive this implicit intent)



- 4) If you choose a normal Phone application, Phone application must show the number you provided (like in the lecture!)
- 5) Press back buttons to go back to your application
- 6) Press Call button again in the MainActivity
- 7) In an app chooser dialog, if you choose your own application (My Application), your SubActivity must handle this request:
 - a) Take the phone number included in the intent
 - b) Reply to the caller activity with the following string "You can't call to [Extracted Phone Number] !!!!"
 - c) UI of your SubActivity doesn't need to be shown.
- 8) MainActivity must display the text from the callee activity using Toast dialog!



This is a main activity

029706468

CALL

You can't call totel:029706468!!!!!!



AnswerSheet – Logic description
(Explain how your application works, briefly)

AnswerSheet – Screenshot