

Cosc 5/4730
Due: Sept 15 by 5pm

Program #1
20 points

Write the following application. This app will ensure you have the basics setup and understand how to write an android app, run it, and turn it in.

HelloWorldPlus:

The app must have an input field where the users enter their name. The users will click the button and the app will then display hello <name> (or whatever they entered in the text field). How you choose to display the hello <name> is up to you. The app will also log the username in both activity and fragment part of the code, see program requirements for details.

Program requirements:

1. A main activity, which implements "communication" with the fragment, which can be either an interface/callbacks or viewmodel
 - a. It will receive the name from the fragment and using the Log.v (or i/e/d) print out the name.
 - b. The main activity will also create and display the fragment.
 - i. The fragment CAN NOT loaded from in the xml.
2. Fragment again using the same "communication" method as main activity.
 - a. This is where the xml UI display will be written.
 - b. The user name will display here and "sent to activity" to be logged via the log.v (or i/e/d)
3. Both the activity and fragment MUST use the log.v (or i/e/d) show that shows in the output window in studio as well.
 - a. IE log the name in the fragment and in activity.
4. You must change the launcher icon.
5. While how you display hello <name> is up to you, the <name> must be from the input field that user entered and not a hard coded piece of data.

TURN IN and GRADING:

Hard copy:

1. A cover page with Name, program #1, cosc 4730 or 5730 depending on which class you enrolled in, a repo name (see github and below for you repo name).

Soft copy:

1. Use this link to create your repo <https://classroom.github.com/a/P73XDXvv>
2. Upload the project to your repo
3. Create/Edit the readme.md file, add the following:
 - o Course number 4730 or 5730
 - o Name
 - o how to run the program (this is likely very simple for program 1),
 - o Which phone/emulator to run on including special information like android version (ie 10) and screen size.
 - Or if you are using the borrowed phone: Pixel 4a.
4. Lastly ensure everything has uploaded to the github website and not just the local repo.

Code will be graded on correctness, comments, and coding style.