

Lab 1 – Modified Hello Android – Assignment Group B

CS235AM, Intermediate Mobile Application Development: Android

The purpose of this lab is to give you practice:

- Creating UI widgets programmatically
- Creating UI widgets using AXML
- Handling UI events

Part 1: Xamarin Hello Android tutorial

Do the Xamarin "Hello Android" tutorial to create a *HelloAndroid* solution with two projects: one with the UI defined in C# code, the other with the UI defined in XML. Take screen-shots of each app running before and after clicking the button.

Part 2: Add a second button and label using C# code

Make a copy of the *HelloAndroid* solution from the tutorial and rename solution folder to HelloAndroid-Lab1B-YourName. This solution should contain two projects. In the HelloAndroid.Code project:

- a) Add a second label that will display the message "Hello from the button" when the existing button is clicked. Set its default text to "---".
- b) Add a second button below the new label, titled "Clear", that removes the text from both labels.

Create the label and button in C# code.

Part 3: Add a second button and label using XML

In the HelloAndroid.Xml project change the UI in the same way:

- a) Add a second label that will display the message "Hello from the button" when the existing button is clicked. Set its default text to "---".
- b) Add a second button below the new label, titled "Clear", that removes the text from both labels.

Create the label and button using XML. Also, define the title and default text as a string resources.

Submission to Moodle

Beta Version

Post the following to the Beta + Code Review Forum:

1. Part 1: A document containing screen-shots of the HelloAndroid app with each screen-shot labeled. (Please use .docx or .pdf format.)
2. Parts 2 and 3: A zip file containing your app's Visual Studio solution folder. (Make your solution smaller by deleting the *obj* and *bin* folders.)
Or, a link to a repository containing your web site solution source code. You can put the link on the same document with the report on your exercise from part 1.

Production Version

1. Items 1 and 2 above, but revised as needed.
2. The code review of your work (the one done by your lab partner) with the second column ("Release") completed by you.