Faculty of Science

Course:	CSCI 4100U: Mobile Devices
Lab Assignment:	#2
Topic:	Basic Android

Basic Outline

- Create a new Android project
- Deploy and run the project on an emulator (or a real device)
- Modify some messages
- Create a new layout (simple)
- Modify the activity to view that layout instead

Create a New Android Project

Using Android Studio, create a new Android project. Follow the steps of the wizard as best you can. You can use the default icons for this application, and you can use Android Studio's wizard to create your activity.

Build and Run the Project

Create a new run configuration by clicking on the run button in Android Studio, and selecting Run Configurations. Once you have finished, run the project. You will likely need to create a new virtual device in order to do so. Create a virtual device to whatever specifications you want this time around.

Note: As an alternative, you can run the application on a real device.

Simple Modification

Modify the application so that it displays the message 'I'm learning Android!' instead of the Hello World message. Do so first, by writing this text directly into the layout file. Then, do it the proper way, by creating a new string in the strings.xml file and using that within the layout.

Larger Modification

Now, let's create a simple layout with a few controls. Create a login layout that has two fields (and two labels): username and password, as well as a button. Your layout will be stored in a new file, but you can use the old layout as an example to copy/paste from. Modify the activity so that it displays your new layout.