Due: Jan 29 at 23:59
Points: 100
Objectives

Learn how to use Android Studio to create an Android app
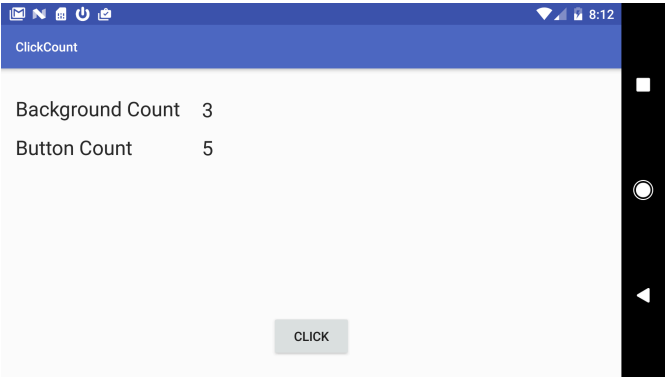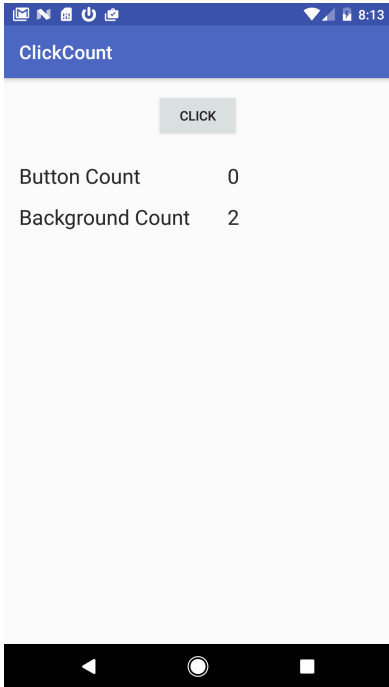Handle basic Activity lifecycle
Use basic GUI widgets
Handle Screen rotation

Life Cycle Events

You are going to create an app that counts the number of times the app goes into the background. The app will also count the number of times a button is pressed. The button text should read "Click". The app has four text views. One displaying the text "Background Count" which is followed by a text view that displays the number of times the the app has been in the background. Another text view displays the text "Button Count" followed by a text view showing the number of times the "Click" button has been pressed. The app needs to maintain the two counts when the device (or emulator) is rotated.

Create two layouts for the activity, one landscape and one portrait. The layout for each view is shown below. Note that the order of the text views and button are different in the two different views.

Landscape View	Portrait View

When you create your project set the minimum required SDK to API 19 (Android 4.4 KitKat) and target Nexus 4.

Grading

The assignment will be graded as follows:

Points	Item
25	Two layouts, Each used in proper orientation with correct order of text view & button
25	Click Button works in both layouts
25	Correct values for counts displayed when rotate device
15	Non numeric text displayed on screen defined in string resource
10	Coding style

What to turn in

Create a zip file of your entire android project. Please no rar files. Turn in your assignment at: http://bismarck.sdsu.edu/CoursePortal. There is a link to that site in the assignment section of the course Blackboard site. You will need to create a password for the assignment site the first time you use it. Once you have logged on to the site select the assignments tab.