# ASSIGNMENT 1

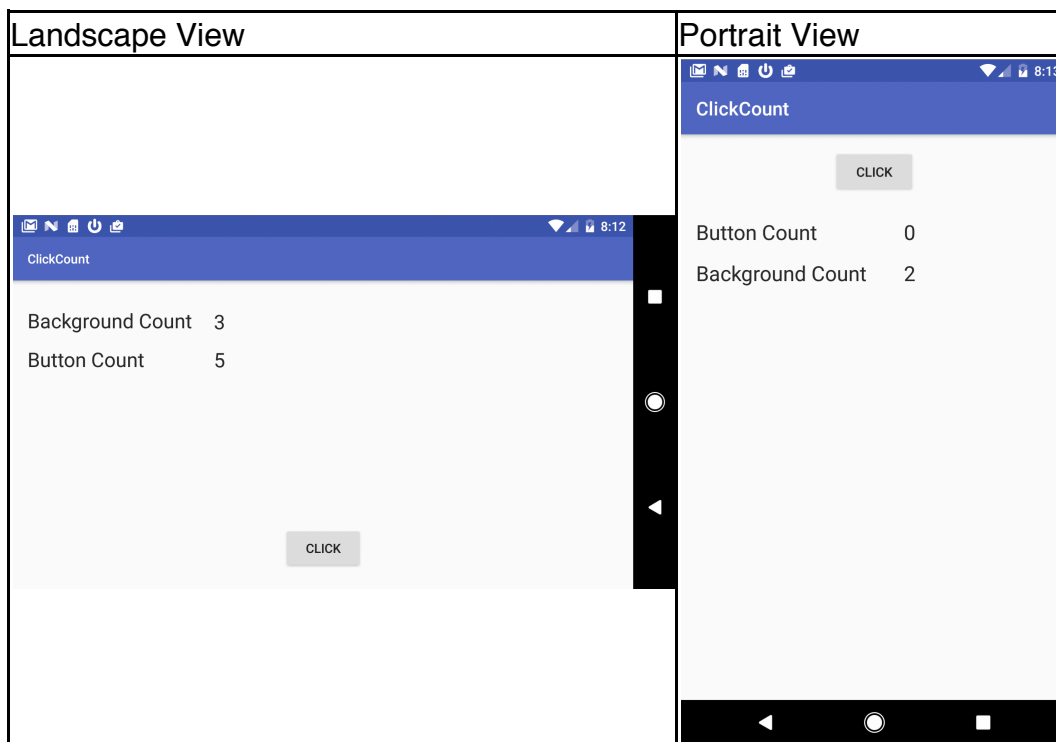## Objectives

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 |