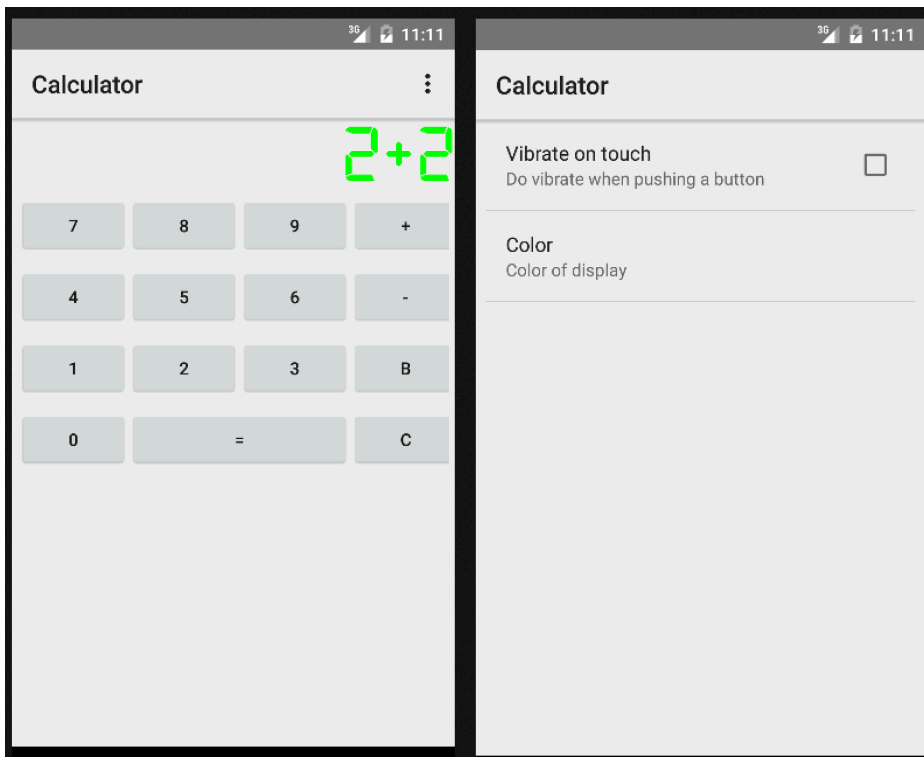## Description

The objective of this assignment is to get students up-and-running in building simple Android apps.

You are allowed to work on this activity in a group up to two persons. Make sure though that both parties fully understand all steps of the activity.

In-Class:

Build a calculator app. The app should have two activities: the first activity shows the number display and buttons, and an activity to set some app preference.

The calculator should be able to add and subtract calculations. The number buttons (0-9) are used for entering the digits, the + and – are used to add and subtract, respectively, and the B button erases the last character entered from the display, the C button clears the display, and the = button does the computation and displays it.

Notes:
- You should disallow two consecutive + and – signs to be entered.
- The app should be able to run on all Android API from version 19 and up (set the minSDK to Android 19, 4.4 Kitkat).

Show the instructor the functionality of your app before leaving the lab (50% of grade) and submit the APK file through MySchool no later than before Monday's class (50% of grade).

Useful links:

Table layout:
- http://developer.android.com/reference/android/widget/TableLayout.html

Font:
- http://www.dafont.com/digital-7.font

PreferenceActivity:

- http://rominirani.com/android-preferences-tutorial/

- http://alvinalexander.com/android/android-tutorial-preferencescreen-preferenceactivity-preferencefragment if using Android 5.