

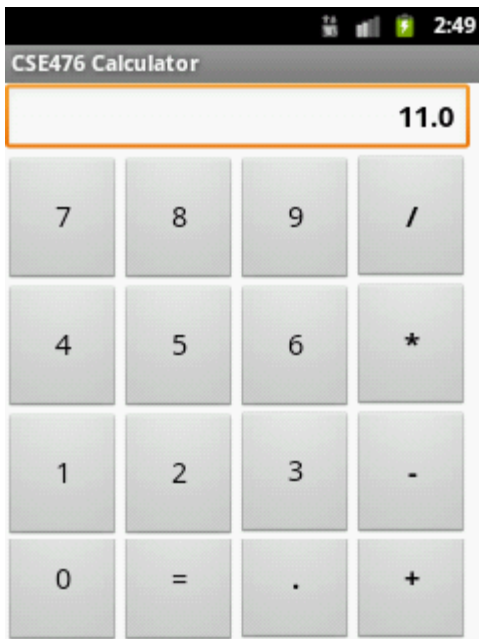
CSE476: MOBILE APPLICATION DEVELOPMENT

YEDITEPE UNIVERSITY

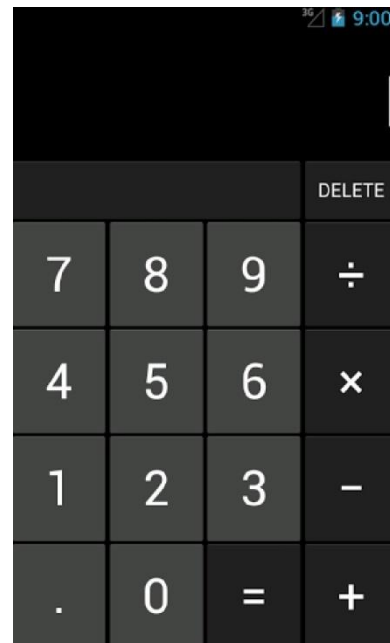
FALL 2023

ASSIGNMENT 1 – DUE DATE NOVEMBER 1ST, 2023

In this assignment you are expected to implement a simple Android calculator app (see Fig. 1) by making use of all of the material given to you so far – including layouts, views, GUI elements, activities, intents and most probably debugging tools such as DDMS.



(a)



(b)

Fig. 1: (a) Simple calculator design; (b) A black themed calculator app

Accordingly, you are expected to implement a calculator app which:

- Has a real-like calculator user interface design, look and feel;
- Has easy to use layout with numerical buttons and operation buttons;
- Should be able to handle long and double numbers;
- Should be able to handle exceptional cases such as *division by zero* and operations resulting with **NaN**;
- (Bonus) Has exceptional GUI design and usability – such as semi-transparent glass buttons etc;
- (Bonus) Has extra functionality such as *cos()*, *sin()*, *logarithm*, *square root*, etc.
- You should use minimum possible API level to implement this app; so that it would run on devices with limited resources.

Submit your assignments in a zip file, which has your student number as name, through the COADSYS (<https://coadsys.yeditepe.edu.tr/>) latest by the end of Wednesday, 1st November 2023.