

# Mobile Application Programming: iOS

CS4530 Spring 2017

Project 0 - Values

Due: 11:59PM Wednesday Jan 18th

## Abstract

Create a very simple application that offers sliders to represent two values and labels that show arithmetic operations on those values.

## Components

- A window with a light gray background.
- Two sliders centered in the window.
- Static “X” and “Y” labels on the left of the sliders.
- Dynamic labels on the right of the sliders that change to reflect the slider value as it changes.
- Labels that show arithmetic operations on the values that update as the sliders change. Show at least addition and multiplication operations.

## Considerations

- Create the window and root view controller in the application delegate using code. Do not use storyboards.
- Add the various views to the root view controller’s view. Compose the view hierarchy in the application:didFinishLaunchingWithOptions: method. We will improve app architecture in later assignments.
- Use the addTarget:action:forControlEvents method on the sliders to observe the changes of value. The action selector can be created with a string containing the method name.

## Extra Credit

None on this assignment

## Handin

You should hand in a zip file containing your project. To do this, zip the folder and transfer it to a CADE computer and use the following command. DO NOT USE THE WEB VERSION OF HANDIN! IT MANGLES FILES! There is a detailed description on the CS4530 course website.

handin cs4530 project0 your\_zip\_file.zip

