General Instructions: Put the entire app directory into one zip file and submit as an attachment under Content → Homework 5 for this course on the Blackboard Learn system by the above deadline. Note that you may submit multiple times, but only the most recent entry submitted before the above deadline will be graded.

1. For this homework you will create the SimpleSettings app to demonstrate the use of in-app and global settings. See the screenshots below.
   a. Create a single view controller app that looks like the left screenshot below. The “Option 1” label should reflect the setting of the switch on this view. The “Option 2” label should reflect the setting of the switch in the global settings bundle for the app, as depicted in the right screenshot below.
   b. Add a settings bundle to your app with a single Toggle Switch element named “Option 2” with a default value of “YES” and identifier “option2”.
   c. In the main app delegate method `didFinishLaunchingWithOptions`, register the defaults of Option 1 = NO and Option 2 = YES, using the following (Obj-C):

   ```
   NS MutableDictionary * appDefaults = [[NS MutableDictionary alloc] init];
   [appDefaults setValue:[NSNumber numberWithBool:NO] forKey:@"option1"];
   [appDefaults setValue:[NSNumber numberWithBool:YES] forKey:@"option2"];
   [NSUserDefaults standardUserDefaults] registerDefaults:appDefaults];
   ```

d. In the main app delegate method `applicationDidBecomeActive`, call a method in your view controller to update the Option 2 label so it correctly reflects changes to the global settings, using the following (Obj-C). This assumes you have a method called `updateOptions` that looks up the options in `NSUserDefaults` and updates the labels appropriately, and that you have exposed this method in your ViewController’s public interface.

   ```
   ViewController * controller = (ViewController*) self.window.rootViewController;
   [controller updateOptions];
   ```
Main View in Simulator:

```
Simple Settings
Option 1: Off
Option 2: On
```

Change in Global Settings

Global Settings in Simulator:

```
SimpleSettings
Option 2
```