

Homework Week 8

The purpose of this assignment is to demonstrate your understanding of NSUserDefaults and the Settings bundle.

In order to successfully complete this assignment, you must successfully implement all of the Functional Requirements below. As with all apps that you submit for this class, you should also:

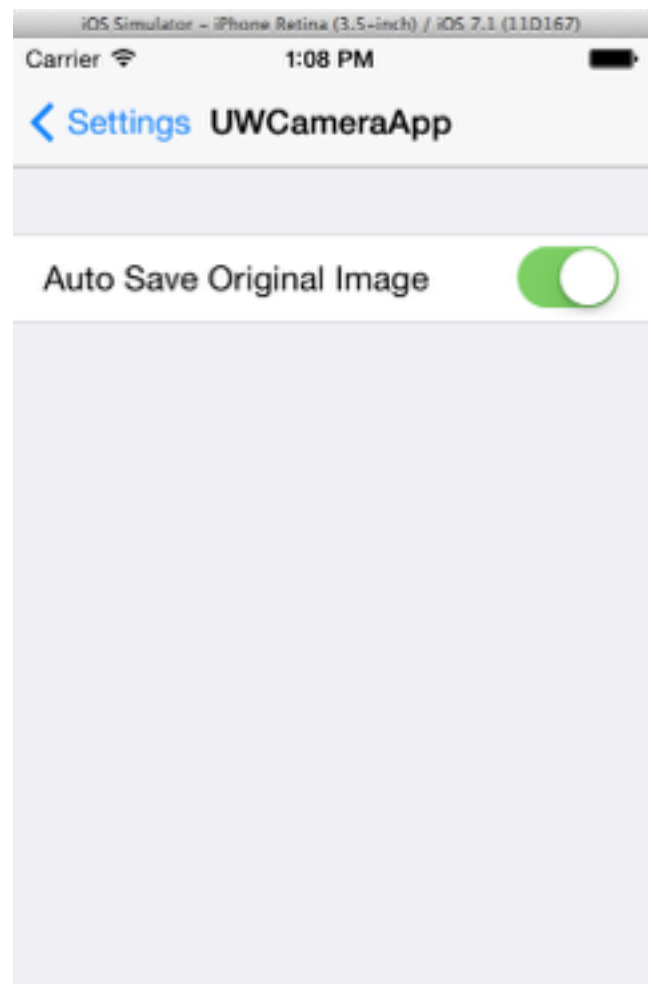
- Ensure that your app does not crash or behave in an unstable manner
- Make use of good design patterns (e.g. [MVC](#)) and structure your app accordingly
- Follow the [Human Interface Guidelines](#) when designing your app's UI
- Test your app on an actual device running the latest version of iOS

Functional Requirements

For this assignment, you will add a Settings.bundle to your project and have it display an “Auto Save Original Image” toggle switch. Feel free to set the default to whatever you feel appropriate.

You should ensure that you register your defaults and that they are the same as the default you specified in your Settings bundle. You should also make sure you register for the NSUserDefaultsDidChangeNotification notification.

If this preference is on, you'll want to use UIImageWriteToSavedPhotosAlbum() to save the original image to the camera roll. Check the documentation or refer back to week 6 material if you need a refresher.



Bonus Opportunities

You can receive up to 20 points for the following:

- In a previous homework, we added NSCodering support to persist our array of model objects to disk. For bonus, declare and handle a custom URL that will delete that file on disk and reset your photo list table view. Be sure to validate the URL coming in and only perform the delete if the correct 'command' is passed in. If you implement this bonus, please add a note to your Canvas submission with the correct URL for testing.

Submitting Your Work

This assignment is due by 11:45pm Pacific Time on Saturday, November 9. To submit your work, upload a .zip file to the appropriate drop box that contains your entire Xcode project directory, including:

- Your .xcodeproj bundle and all its contents
- All your source files, including code, .xib files, and any image resources
- Any additional files that your app requires to run

Name this zip file "UW_HW8_<UW NetID>.zip", where <UW NetID> is the username assigned to you by UW. (For example, the instructor's submission would be named UW_HW8_cartej.zip.)

Your submission should compile cleanly on the first try, throwing absolutely no errors, warnings, or static analyzer problems. You may lose points if your solution does not compile cleanly.

Your submission should, once compiled, run well on an actual device running the latest version of iOS. You may choose to support past versions of iOS, but all testing will be done on the newest version available on the due date.