

# Homework Week 6

The purpose of this assignment is to demonstrate your knowledge of UIImagePickerController and NSCoding. This will also be the beginning of the final project.

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:

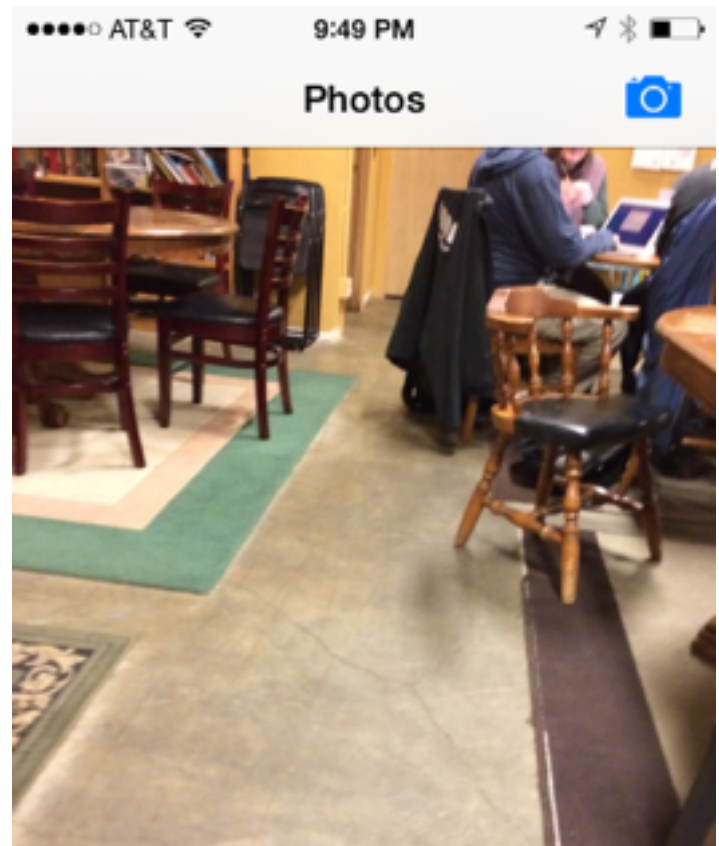
- Ensure that your app does not crash or behave in an unstable manner
- Make use of good design patterns (e.g. [MVC](#)) and structure your app accordingly
- Follow the [Human Interface Guidelines](#) when designing your app's UI
- Test your app on an actual device running the latest version of iOS

## Functional Requirements

### Photo List

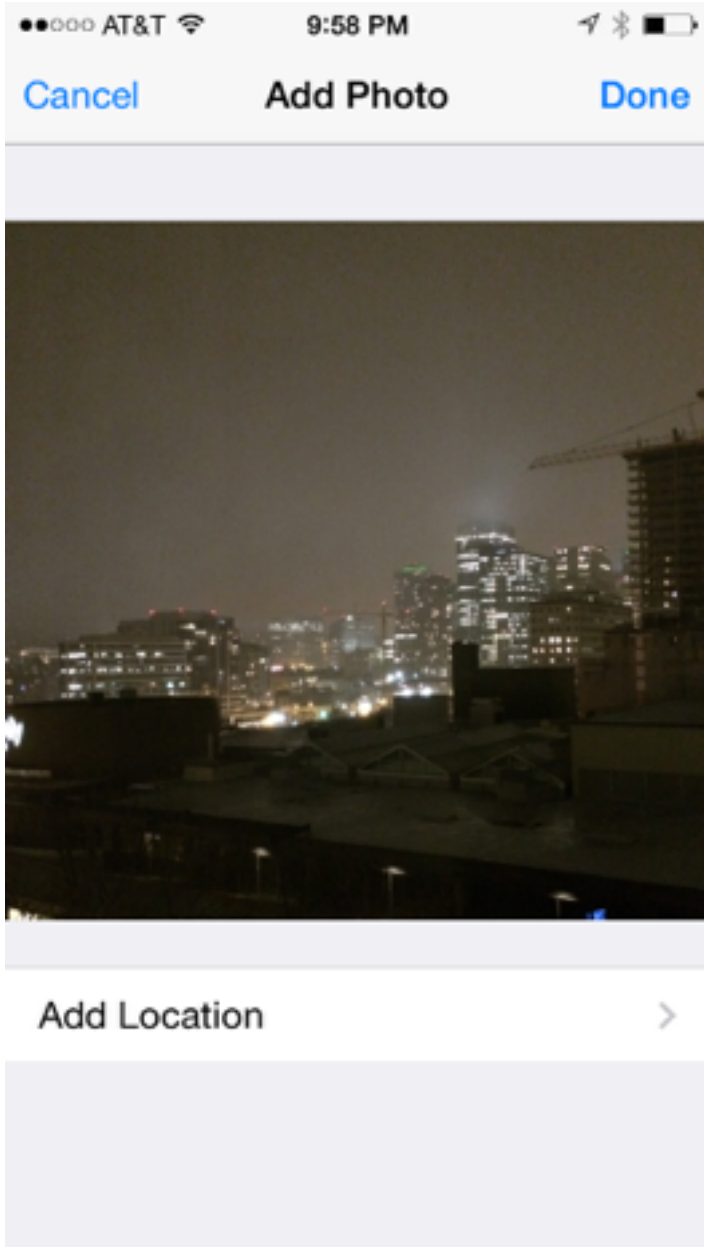
Build a table view to display the photos taken. You should use what you've learned to build a custom table view cell that has an image view and a label. (The label will be used in a later homework assignment to display the name of the location where the photo was taken.)

The photo list should also have a title and a right bar button. When the bar button is tapped, the user should be presented the UIImagePickerController camera. Make sure to set the image picker up to allow editing.



Wayward Cafe





## Add Photo

After dismissing the image picker, your app should not immediately add the photo to the list. It should instead present an Add Photo table view controller. I would suggest using a static table view for this. This view should have an image view for displaying the photo that the user just took. (In a later homework assignment, we will add a way for a user to associate a location with their photo entry.) You should also add a cancel and done button. The cancel button will just dismiss the controller. The done button will dismiss and add the entry into the Photo List.

## Persistence

You app should also use NSCoding to save out your list of model objects when a new one gets added and load the save, if it exists, when the app launches.

## Bonus Opportunities

This app has wide potential for expansion, and thus has a range of bonus opportunities you may choose to implement:

- **5 points:** Enable deleting of photos from the Photo List.
- **10 points:** Provide a custom transition when presenting and dismissing either the image picker, the Add Photo view controller or both.

## Submitting Your Work

This assignment is due by 11:59pm Pacific Time on Wednesday, March 5. 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\_HW6\_<UW NetID>.zip”, where <UW NetID> is the username assigned to you by UW. (For example, the instructor’s submission would be named UW\_HW6\_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.