

Challenge: Photo Collection

Description: Create a Universal iOS application in Xcode using Swift 2 that displays a set of photos in a Collection View.

Purpose: This challenge provides experience in implementing a Collection View, working with Image Views and Images, and using Swift arrays.

Requirements:

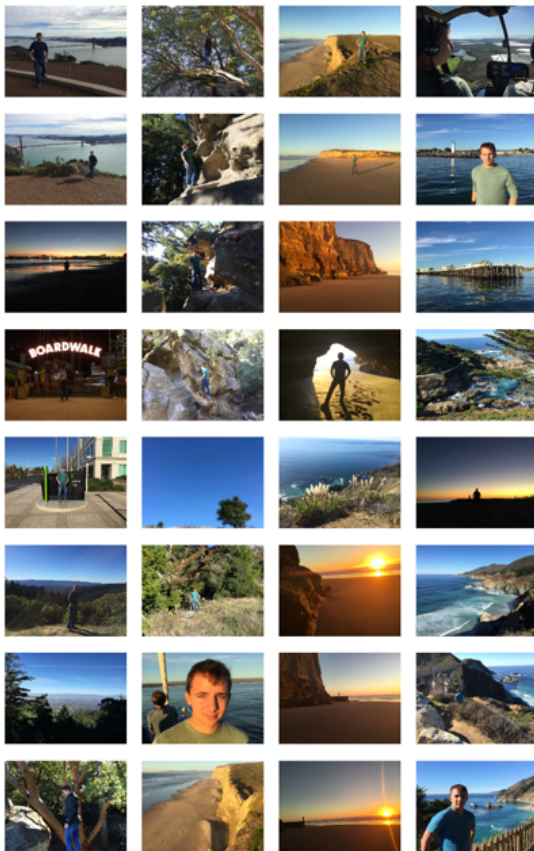
Project Name: PhotoCollection

Devices: Universal

Programming Language: Swift 2

Photo set: trip photos.zip – contains 40 jpg photos named Photo0.jpg through Photo39.jpg

Create an app that contains a Collection View that displays images in the photo set like shown below.



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The following are the constraints being placed on the design. Outside of the constraints being specified you can decide how to implement the interface.

Constraints:

- The top of the Collection View is to be 200 points from the top layout guide of the View Controller view. The trailing and leading edges of the Collection View are to be pinned to the edge of the View Controller view. The bottom edge of the Collection View is to be 0 points from the bottom layout guide of the View Controller view.
- The cells in the Collection View are to be 80 points by 60 points.
- The image in the Collection View cell is to fill the entire area of the cell.
- The image in the cell is to use Aspect Fill to display the image.
- The Min Spacing for Cells is to be 10 points.
- The Top, Bottom, Left, and Right Section Insets for the Collection View are to be set to 5 points.
- Set the Scroll Direction on the Collection View to Horizontal.

Notes:

The way you are to name your Xcode project based on the Project Name and how to create a ZIP file for submission of your work on Blackboard is covered in the document “Xcode Project Naming and ZIP Files.pdf”.

The ZIP file of your Xcode project folder is to be submitted on Blackboard in the assignment submission that is included in the challenge.