

CS 329E - Spring 2018 - Homework 6

Due date: 3/6/18 by 11:59pm, late work is not accepted
Points: 20 points
Submit: A zip file of your entire project folder.
Name your zip file: **<last-name><first-name>-hw6.zip**
Example: for Joe Smith SmithJoe-hw6.zip

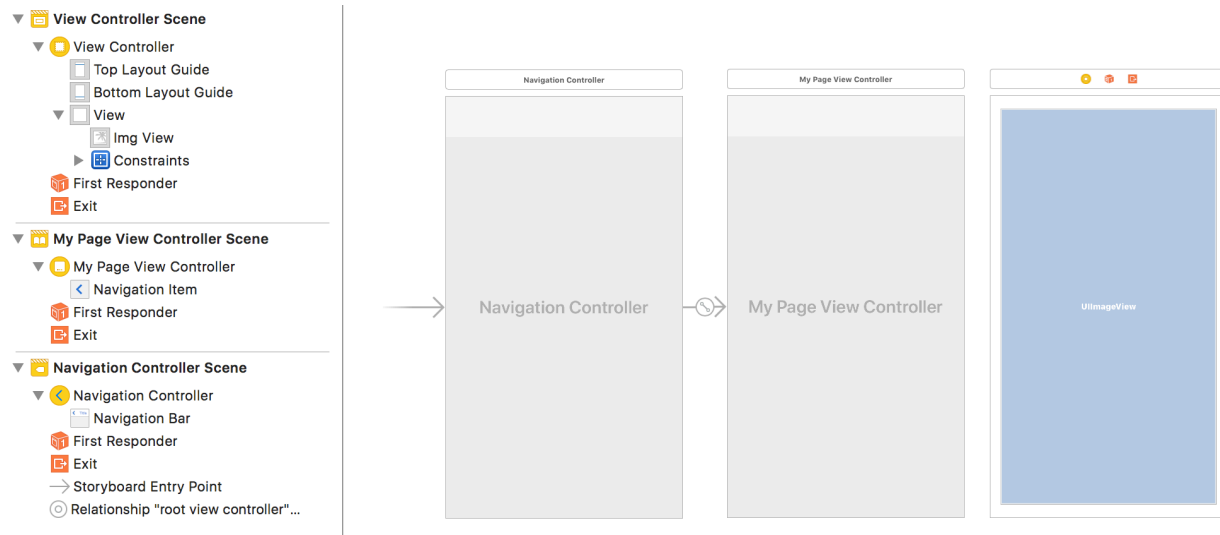
Description: This will be an exercise in using the following in an application:

- Navigation Controller
 - Page View Controller
 - Page Control
 - UIImageView
1. Create a Single-View iOS application project. (do not select Page-Based Application)
 2. Modify the storyboard per the storyboard screen shot below.
 3. Include the 7 provided images in your project. These are the images - in the sequence identified below - that should appear as the user swipes left or right. Add them to the **asset catalog**.
 4. The image view in the plain view controller should be stretched to the margins, and appropriate constraints created to cause it to stretch to all the margins for whatever kind of device the app runs on.
 5. You need one **UIPageViewController**-derived class, that is associated with the page view controller on the storyboard.
 6. You need one **UIViewController**-derived class, that is associated with the simple view controller on the storyboard. This view controller will contain only one UI element - an image view.
 7. The page control background should be **light gray**.
 8. The current page dot should be **green**. With all other dots being **white**.
 9. Set appropriate constraints so that the UI looks good/correct when run on an **iPhone 8** or **iPhone 8 plus** in portrait orientation.
 10. If necessary, review the TestPageVC demo app to understand the protocol and methods that you need to implement to make the page control look and work as described.

Grading criteria:

1. The application builds and runs. (1 point)
2. The storyboard is as defined. (3 points)
3. The app looks as defined. (7 points)
4. The app operates as defined. (7 points)
5. The user interface displays correctly on both **iPhone 8** and **iPhone 8 plus**. (2 points)
6. The coding standard is followed. (1 point deducted for each violation)

This is what your storyboard should look like:



Application screen:

Behavior:

- The user swipes right or left to get to the next or previous image.
- The appropriate page control dot should be indicated for the currently displayed image.
- If you get to the end of the list of images and swipe to get the next one, it should loop to the first image.
- If you get to the beginning of the list of images and swipe to get the prior one, it should loop to the last image.
- Make sure the image displays with the proper aspect ratio.



Sequence of images as the user swipes right/left:



Image 1



Image 2



Image 3

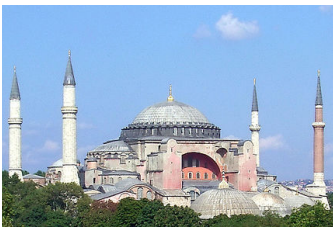


Image 4



Image 5



Image 6



Image 7