

Mobile Apps Development for Journalists

Week 4, Thursday - Fall 2016
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Agenda

- Assignment 1 Recap
- Custom View Controllers Review
- Image Views
- Tab Bar Controllers

Assignment 1

- Review of Assignment 1
- Any questions? Any interesting observations?

Custom View Controllers

- From the File->New->File... menu
- Has to extend UIViewController
- Why do we need them?
- Easy to forget

Images

- UIImageView
- Also backgrounds for other views
- Need to be imported into project's Image Assets
- Using images directly from the web is actually a special case we'll discuss later in the semester

Retina

- What is Retina?
- iPhone 4 and above, iPad Mini 2 and above, iPad Retina and above
- Non-retina - iPhone 3GS and below, iPad, iPad 2, iPad mini
- 1x, 2x, 3x

UIImageView

- Scale To Fit
- Aspect Fit
- Aspect Fill
- Sizing, Distortion, etc.

In-Class Image View Exercise

- Create a new XCode Project
- Download a photo to use for your app (NASA public domain)
- Resize the image into @1x, @2x, @3x sizes
- Put all three images into Images.xcassets
- Put the Image into an UIImageView
- Try all of the different scaling modes

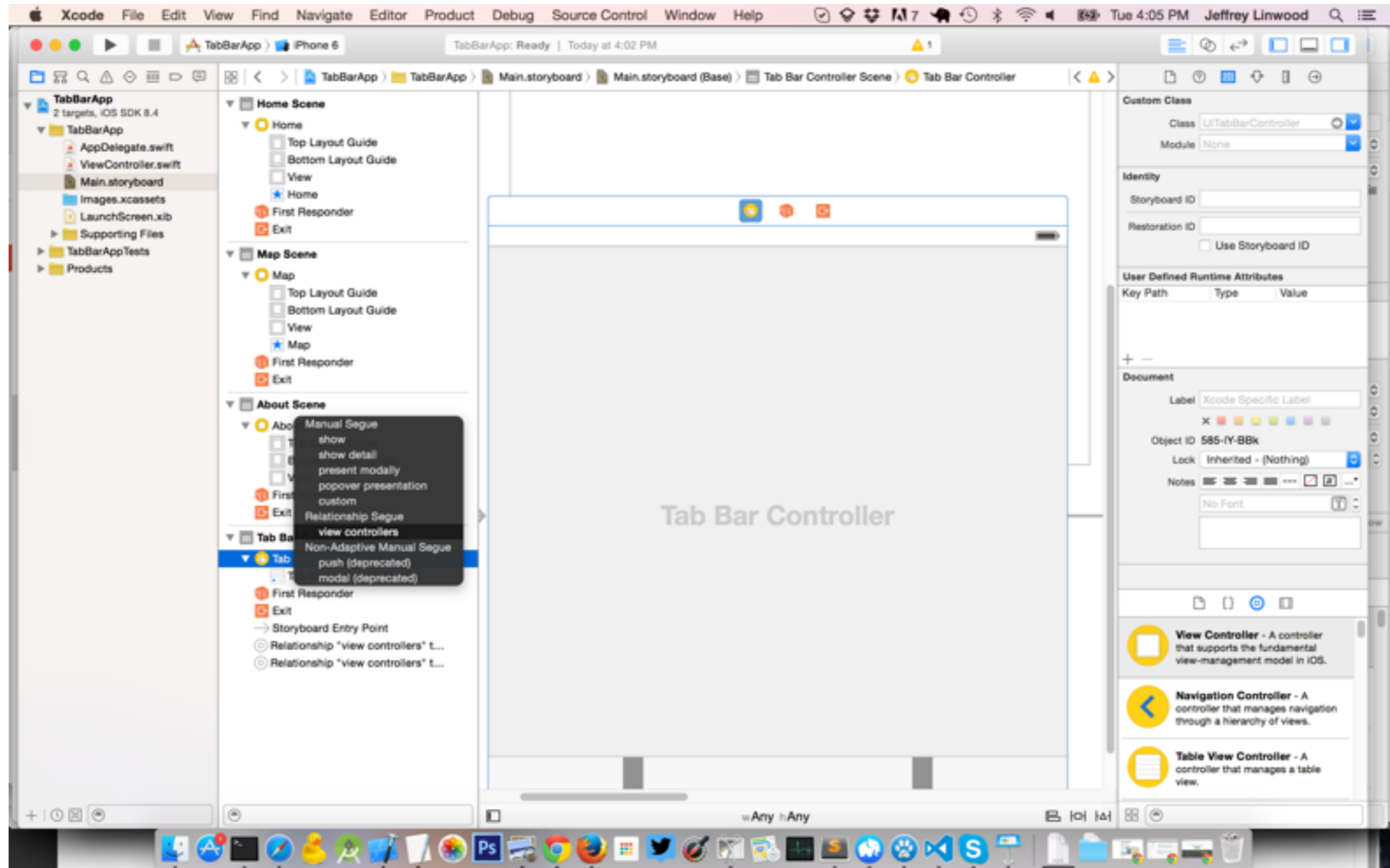
Tab Bar Controller

- Becoming less popular, due to limitations (only 5 tabs)
- Icon + Text
- Always at bottom of screen
- Could be customized
- Different areas of the app

Tab Bar Controller Setup

- First View Controller
 - Embed in Tab Bar Controller
- Other View Controllers:
 - After they are set up on storyboard, Control-Click on Tab Bar Controller in Outline and Drag to View Controller in Outline
 - Choose "view controllers" under "Relationship Segue" to show that the view controller belongs to the tab bar controller
- Edit the Item for each to change the title or images

Tab Bar Segue



In-Class Tab Bar Controller Exercise

- Create a new XCode Project
- Create a new view controller - Home
- Embed Home in a Tab Bar Controller
- Create new view Controllers for Map and About
- Create Segues for each of these
- Set up the titles on the Tab Bar Items