

# Mobile Apps Development for Journalists

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# Agenda

- Tab Bar Controllers
- App Integration

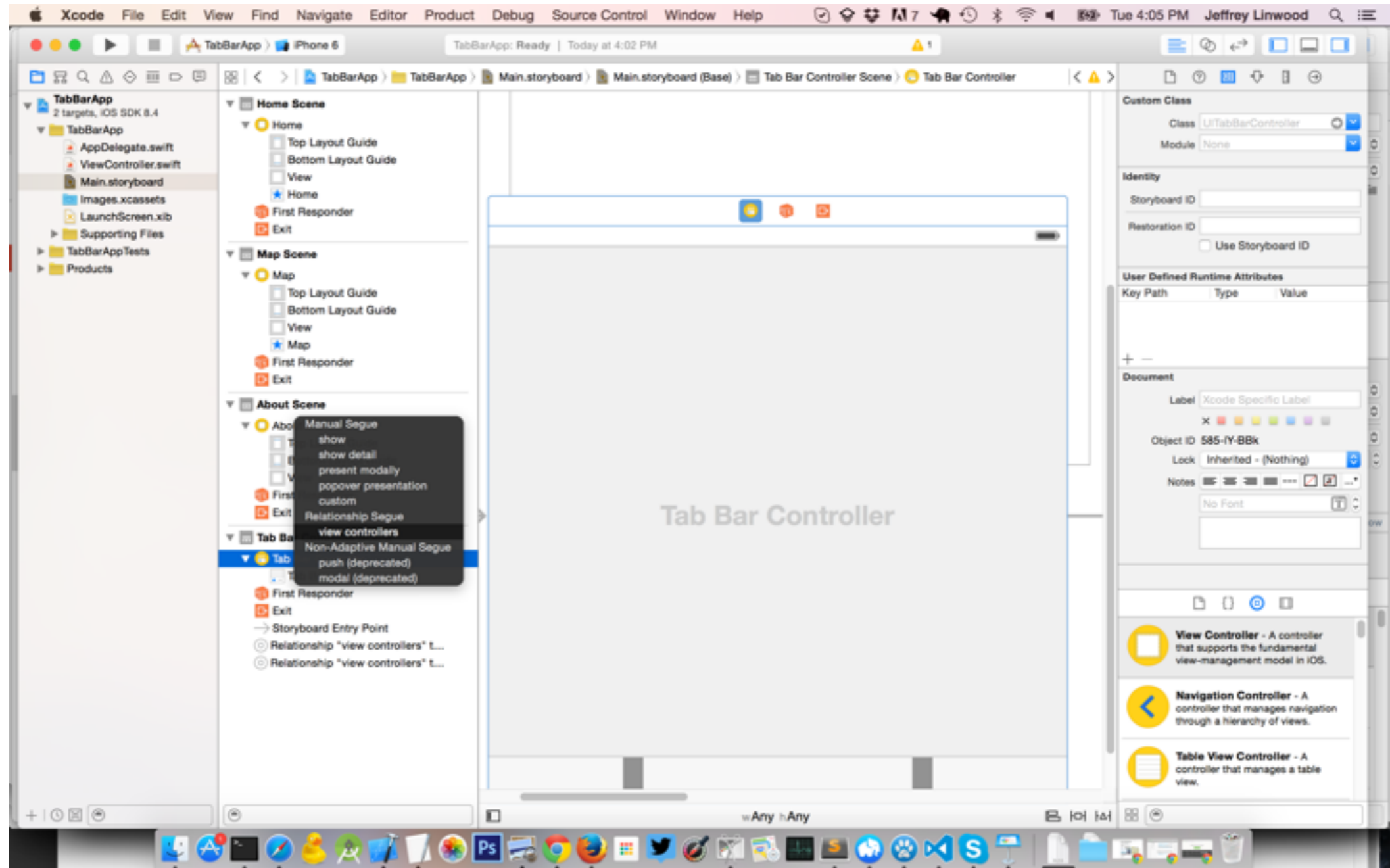
# Tab Bar Controller

- 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

# App Integration

- iOS allows you to open up other apps from within your app
- Need to know what URL Scheme to use

# Web Example

- Opens in Mobile Safari
- Code looks like this:

```
@IBAction func openWeb(sender: AnyObject) {  
    if let google = NSURL(string: "http://www.google.com/") {  
        UIApplication.sharedApplication().openURL(google)  
    }  
}
```



# SMS Example

- Opens up the Messages App

```
@IBAction func sendSMS(sender: AnyObject) {  
    if let sms = NSURL(string: "sms:5125551212") {  
        UIApplication.sharedApplication().openURL(sms)  
    }  
}
```

# Phone Example

```
@IBAction func callPhone(sender: AnyObject) {  
    let phone = NSURL(string: "telprompt:5125551212")!  
    UIApplication.sharedApplication().openURL(phone)  
}
```

- Won't work on an iPod Touch or iPad
- On those, it will offer to add phone number to contacts

# Basic Mail Example

```
@IBAction func sendEmail(sender: AnyObject) {  
    let email = NSURL(string: "mailto:jlinwood@gmail.com")!  
    UIApplication.sharedApplication().openURL(email)  
}
```

- Very basic functionality

# Basic Maps Example

- Open with http link
- [https://developer.apple.com/library/content/featuredarticles/iPhoneURLScheme\\_Reference/MapLinks/MapLinks.html](https://developer.apple.com/library/content/featuredarticles/iPhoneURLScheme_Reference/MapLinks/MapLinks.html)

```
@IBAction func openMaps(sender: AnyObject) {  
    if let mapsURL = NSURL(string:"http://maps.apple.com/?q=Austin,TX") {  
        UIApplication.sharedApplication().openURL(mapsURL)  
    }  
}
```