

Mobile Apps Development for Journalists

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Agenda

- Integrating Multimedia Assignment
- Recap of Playing Movies (or Audio)
- App Transport Security

Playing Movies

- `AVPlayerViewController` instead of Custom View Controller
- `AVPlayerViewController` has an `AVPlayer`
- Can use to display MP4 movies
- Built in controls
- Can find it in XCode, drag it into a storyboard

Import Statements

- We have `import UIKit`
- Other libraries we can import
- `import AVKit`
- `import AVFoundation`

Setting Up AVPlayer

- Takes an NSURL
- Can be local, or can be on web
- If we have an http link to the movie, we need to tell iOS 9 our app is allowed to load it
- NSBundle, mainBundle, URLForResource

Loading a Movie

```
// In a storyboard-based application, you will often want to do a little
preparation before navigation

override func prepareForSegue(segue: UIStoryboardSegue, sender:
AnyObject?) {

    // Get the new view controller using segue.destinationViewController.
    // Pass the selected object to the new view controller.
    if segue.identifier == "PlayVideo" {

        let vc = segue.destinationViewController as!
AVPlayerViewController

        if let movieURL = NSURL(string: "https://s3.amazonaws.com/jeff-
test-movie/IcelandWaterfall.mp4") {

            vc.player = AVPlayer(URL:movieURL)
        }
    }
}
```

App Transport Security

- Info.plist
- Add the `NSAppTransportSecurity` key - dictionary
- Add the `NSExceptionDomains` key - dictionary
- Add the domain name `www.nasa.gov` - dictionary
- Add
`NSThirdPartyExceptionAllowsInsecureHTTPLoads` -
boolean - YES

More about App Transport Security

- <http://useyourloaf.com/blog/app-transport-security/>
- <https://code.tutsplus.com/articles/apple-tightens-security-with-app-transport-security--cms-24420>
- <https://developer.apple.com/library/content/documentation/General/Reference/InfoPlistKeyReference/Articles/CocoaKeys.html>

Loading Audio

```
// In a storyboard-based application, you will often want to do a little
preparation before navigation

override func prepareForSegue(segue: UIStoryboardSegue, sender:
AnyObject?) {

    // Get the new view controller using segue.destinationViewController.
    // Pass the selected object to the new view controller.

    if segue.identifier == "PlayAudio" {

        let vc = segue.destinationViewController as!
AVPlayerViewController

        if let audioURL = NSURL(string: "http://www.nasa.gov/
mp3/574928main_houston_problem.mp3") {

            vc.player = AVPlayer(URL:audioURL)

        }

    }

}
```