

Best Practices



Jordan Morgan

IOS ENGINEER

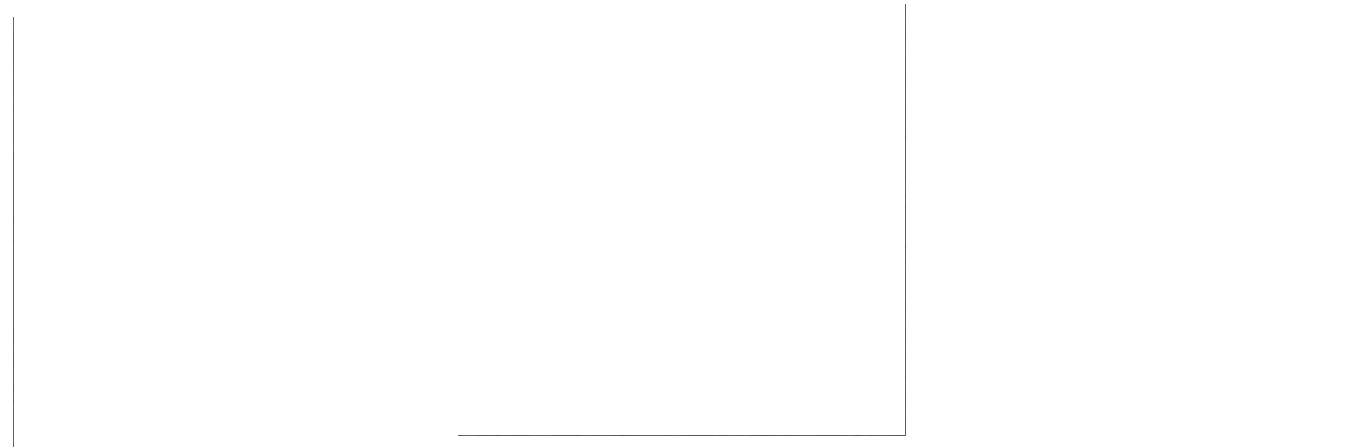
@jordanmorgan10 www.dreaminginbinary.co

Custom Control: After the Code

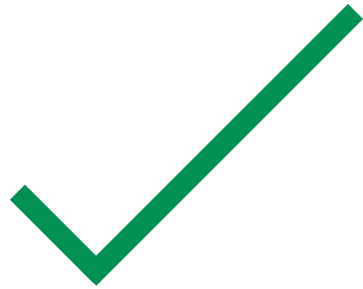


- **Overview of best practices**
- **Specific to custom controls**

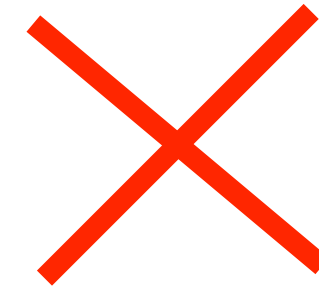
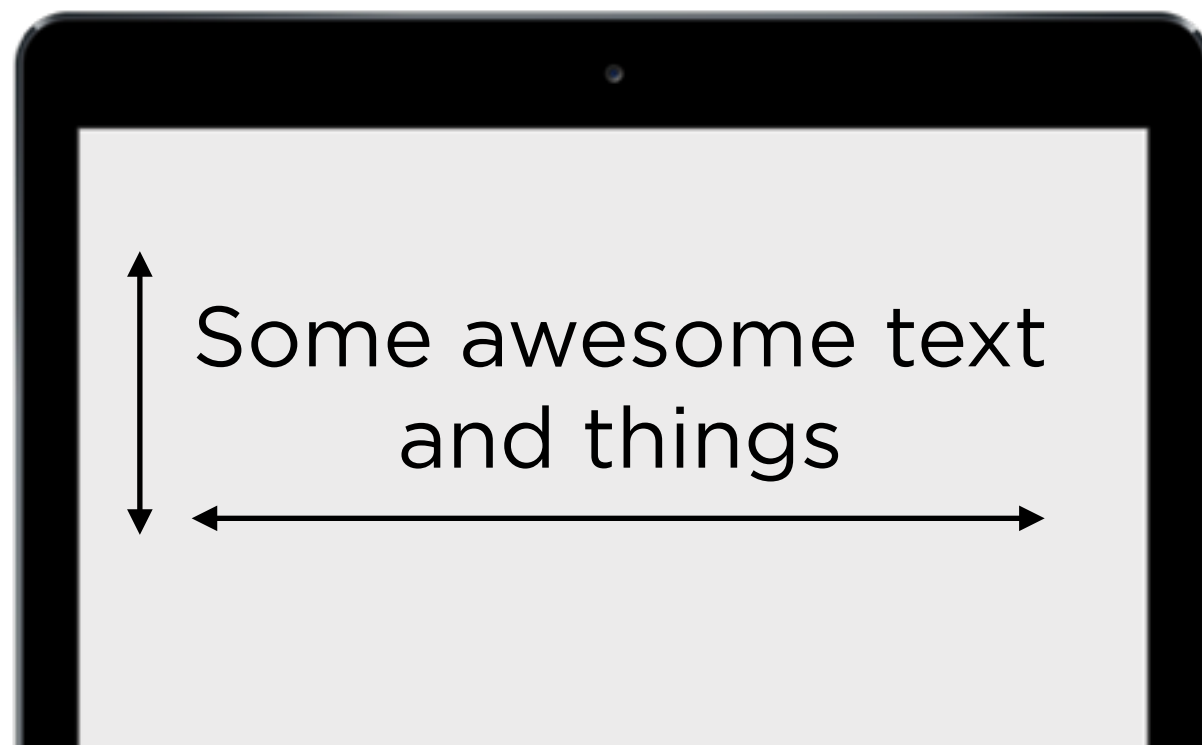
Accessibility and Localization



Autolayout



Uses margins and no fixed sizes



Fixed width and height





- **Increases user base**
- **Apple highly encourages it**
- **Literally, the best apps do it**

```
let myControl = UIControl()  
  
myControl.accessibilityLabel = "A helpful hint of what this does or is"  
myControl.accessibilityHint = "A hint of what using this control will do"
```

UIAccessibility

- Already part of UIKit controls
- Helps disabled users

```
let myContainer = UIView()  
  
myContainer.isAccessibilityElement = false  
//Returns first UIAccessibility conforming subview  
myContainer.accessibilityElementAtIndex(0)
```

UIAccessibilityContainer

- Reports information about controls contained within another one
- Be thinking about color blind users, too

Accessibility Inspector



Documentation

```
//MyClass.swift  
//Purpose:.....  
//Author: John Doe
```



Documentation

//MyClass.swift



//MyClass.swift

//Purpose:.....

//Author: John Doe



Rich Documentation in Xcode

```
1  import UIKit
2
3  /**
4   Does some truly awesome things.
5
6   - Author:
7   John Doe
8
9   -
10  No
11
12  -
13  Ev
14
15  -
16
17
18  -
19  Th
20
21  */
22  func doSomethingAwesome(foo: Int, bar: String)
23  {
24      for _ in 0..
```

What's New in iOS 9

by Jordan Morgan

Apple's newest mobile operating system, iOS 9, brings a lot of new changes with Jordan Morgan as he discusses some of the paramount changes you'll

Declaration	func doSomethingAwesome(foo: Int, bar: String)
Description	Does some truly awesome things. Author: John Doe Important: This code actually does nothing ;)
Parameters	foo An int bar A string
Throws	Every exception ever.
Returns	Nothing
Declared In	Untitled Page 3.xcplaygroundpage

[doSomethingAwesome](#)(foo: Int, bar: String)

```
curl -fsSL https://raw.githubusercontent.com/supermarin/Alcatraz/deploy/  
Scripts/install.sh | sh
```

Alcatraz

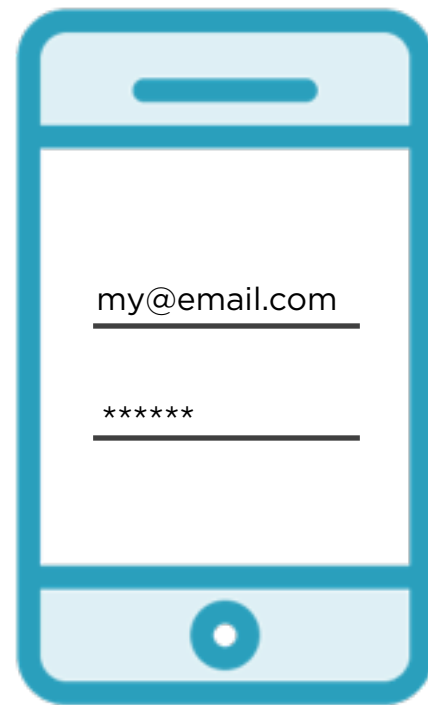
An Xcode plugin manager.

Online Documentation



- **Creates “Appledoc” online documentation**
- **Extremely accurate**
- **Easy to set up!**

API Design and Architecture



API Guidelines

Consider architecture patterns

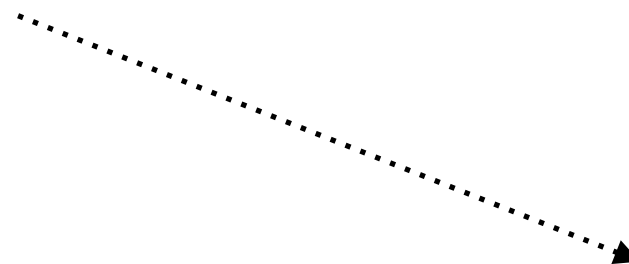
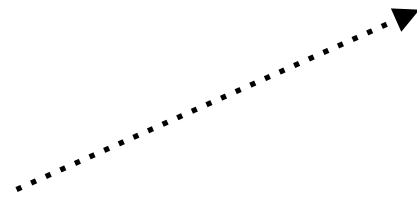
Listen to the community

...plan for success!

Distributing Code



MyAwesomeCode.swift



COCOAPODS

Centralized dependency manager

Hosts giant and tiny projects

Magically adds code to a project

```
pod BFRImageViewer, '~> 2.0'
```

```
cd Desktop/Code/MyAwesomeProject
```

```
pod install
```

```
...3 projects with 2 dependencies were installed!
```

Installing Pods

www.cocoapods.org

Managing Xcode Project Dependencies wit CocoaPods by Andrew Bancroft

Carthage



Decentralized dependency manager

***Doesn't* magically add code to a project**

Built with simplicity in mind

Dependency Managers Are Widely Used

