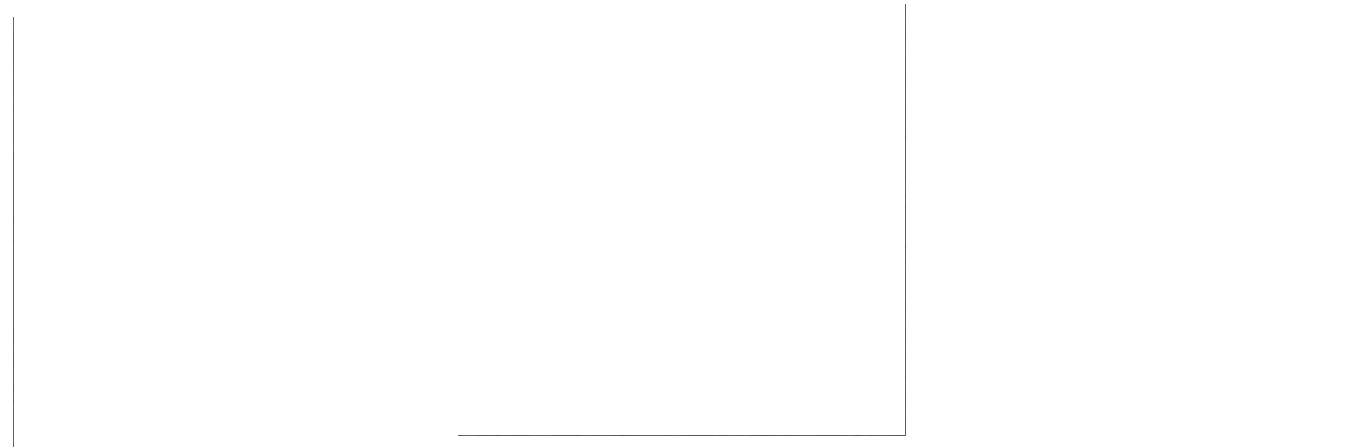# Best Practices

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IOS ENGINEER

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Custom Control: After the Code
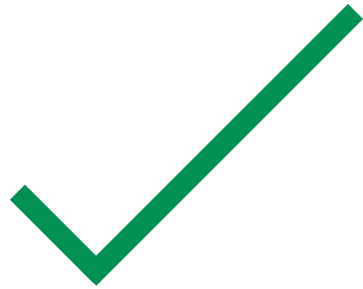
- **Overview of best practices**
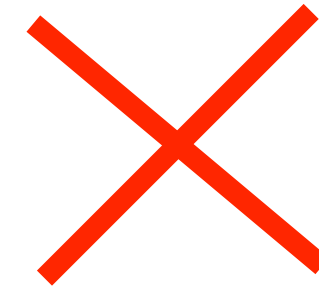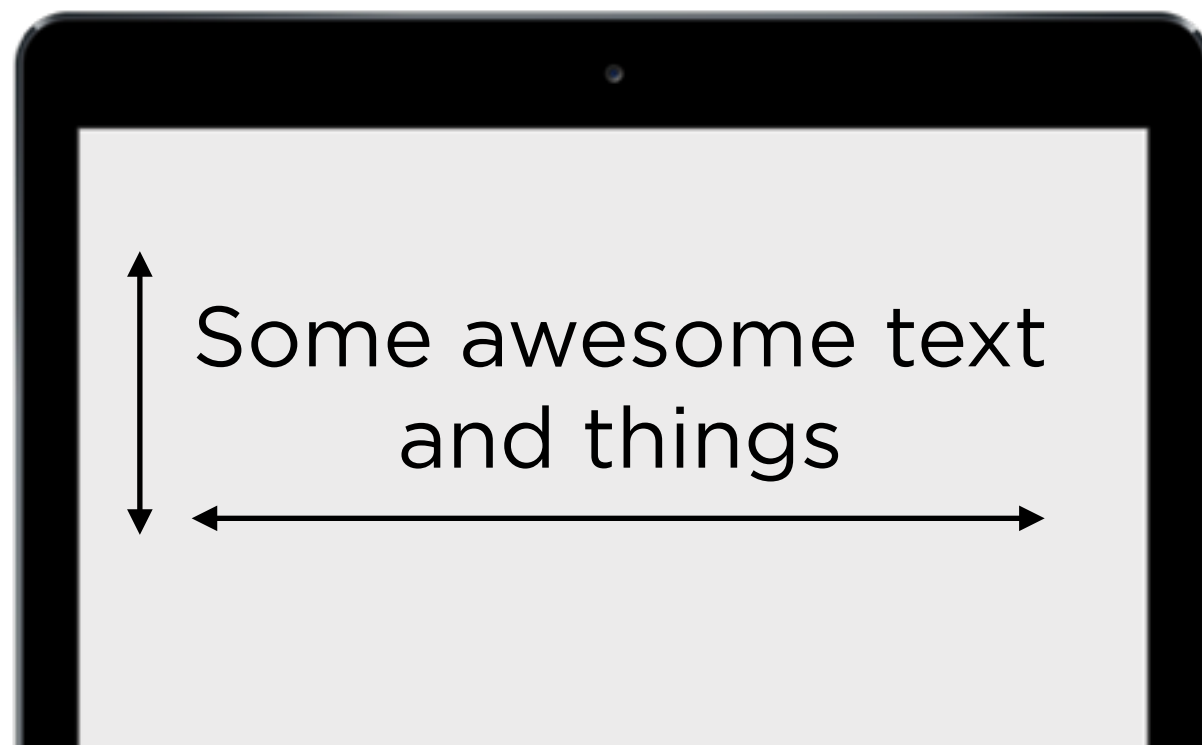
- **Specific to custom controls**

Accessibility and Localization

Autolayout

✓

Uses margins and no fixed sizes

✗

Fixed width and height

Some awesome text and things

Some aweso...

- 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

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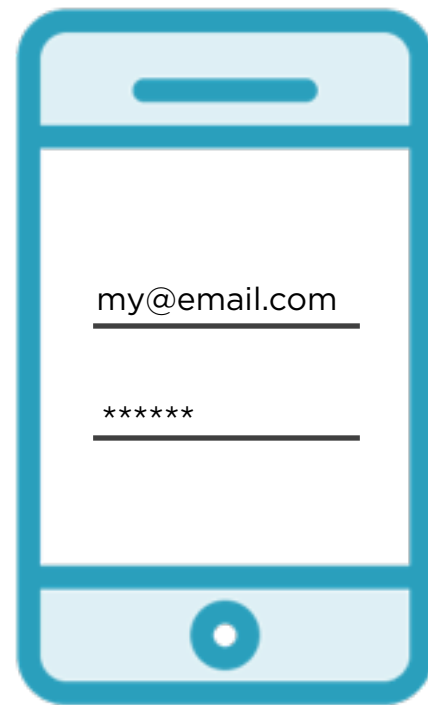
Alcatraz

An Xcode plugin manager.

Online Documentation

- **Creates "Appledoc" online documentation**

- **Extremely accurate**

- **Easy to set up!**

API Design and Architecture

API Guidelines
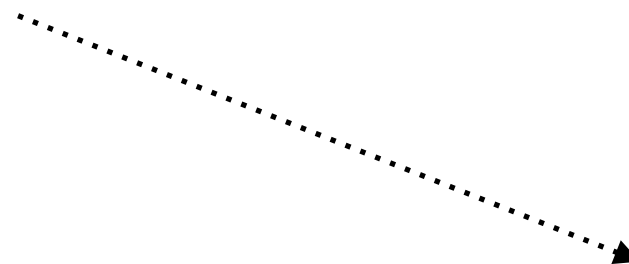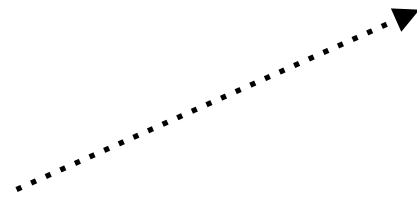
Consider architecture patterns

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

MyAwesomeCode.swift

Carthage

Available to anyone!