

```
// Presented by Agnes Vasarhelyi on 27/10/16.  
// Copyright © 2016 Ustream. All rights reserved.
```

#stylesheets

@on iOS

@topics

- Interface Builder
- xibs
- Storyboards
- just code
- stylesheets on iOS
- Classy/NUI
- stylesheets ✨/💩 ?

@end

Trailblazer > iPhone 7

Trailblazer | Build Trailblazer: Succeeded | Today at 9:41 AM

Trailblazer

Trailblazer

AppDelegate.swift

TrailsTableViewController.swift

TrailDetailsViewController.swift

CommentViewController.swift

ReviewCell.swift

TrailCell.swift

Trail.swift

User.swift

UserReview.swift

ReviewBodyText.swift

Main.storyboard

CommentView.xib

LaunchScreen.storyboard

Assets.xcassets

Info.plist

Trailblazer_TV

AppDelegate.swift

TrailDetailsViewController.swift

RoundedCornerImageView.swift

Main.storyboard

Assets.xcassets

Info.plist

Products

Frameworks

Trail Details View Controller Scene

Trail Details View Controller

Top Layout Guide

Bottom Layout Guide

View

location4

Visual Effect View

View

Scroll View

Left Tile View

location4

Center Tile View

Right Tile View

Constraints

Constraints

Visual Effect View

View

Right Side

Table View

View

CustomSegme...

Green Line

Regular

L Reviews

Triangle

L Photos

Compact

Cell

Content View

Avatar Imag...

L Review Title...

L Review Teas...

Rating Imag...

Constraints

Constraints

Navigation Item

First Responder

Exit

Matt Davis Trail

Mt Tamalpais State Park, CA

Reviews

Photos

Prototype Cells

Amazing!

This is one of the most amazing scenarios me and my family hiked in and we can highly reccommend spendin...

★★★★★

View as: iPad Pro 9.7" (wC hR)

107%

Done Varying

Varying 14 Compact Width Devices

View

Show

Frame Rectangle

0

0

X

Y

507

300

Width

Height

Arrange

Position View

Layout Margins

Default

Preserve Superview Margins

Follow Readable Width

Constraints

All

This Size Class

Trailing Space to: Superview

Edit

Leading Space to: Superview

Edit

Top Space to: Superview

Edit

Height <= 300

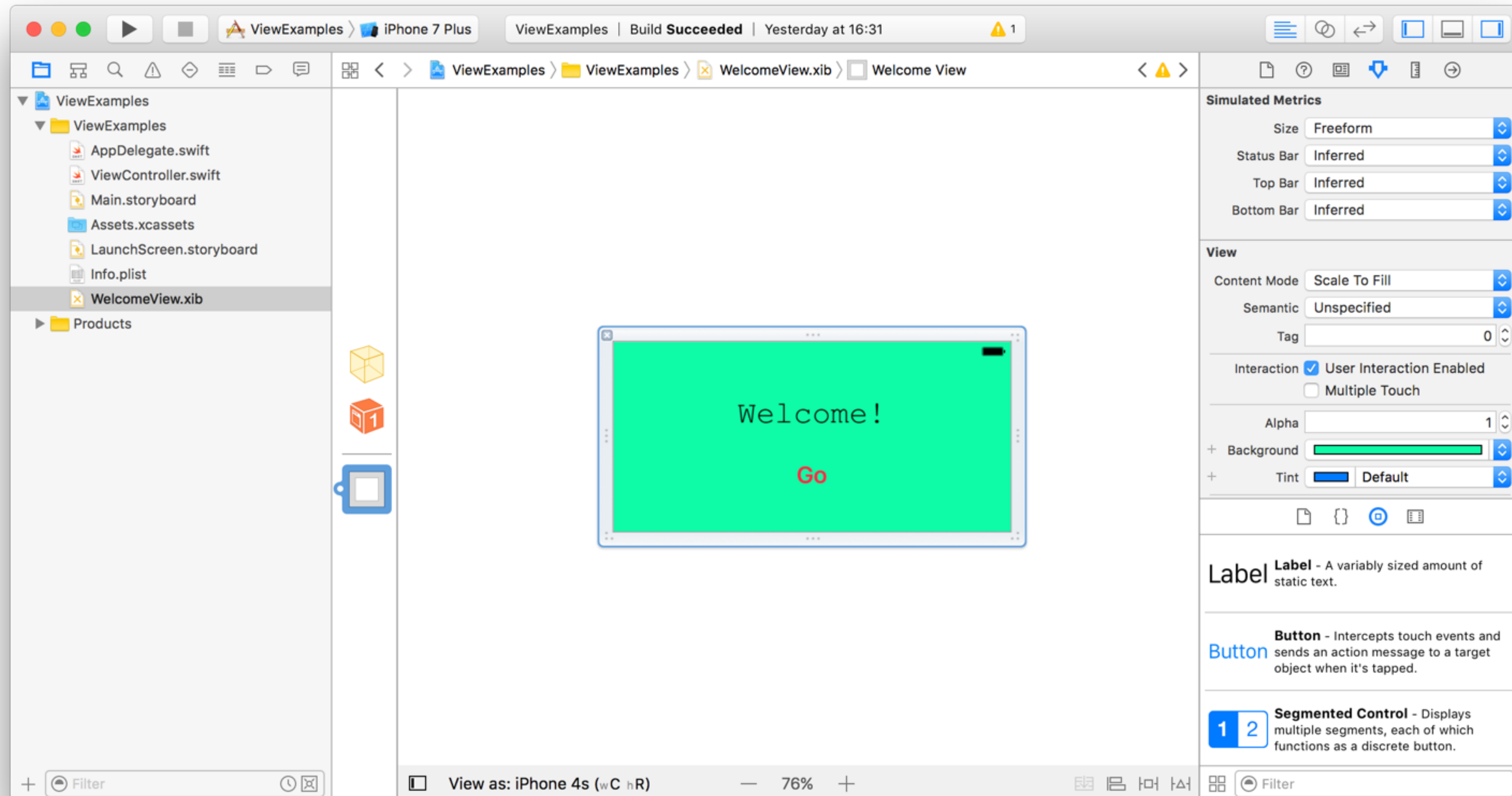
Edit

Navigation Controller - A controller that manages navigation through a hierarchy of views.

Table View Controller - A controller that manages a table view.

CollectionView Controller - A controller that manages a collection

xibs – custom views



```
@interface WelcomeView : UIView

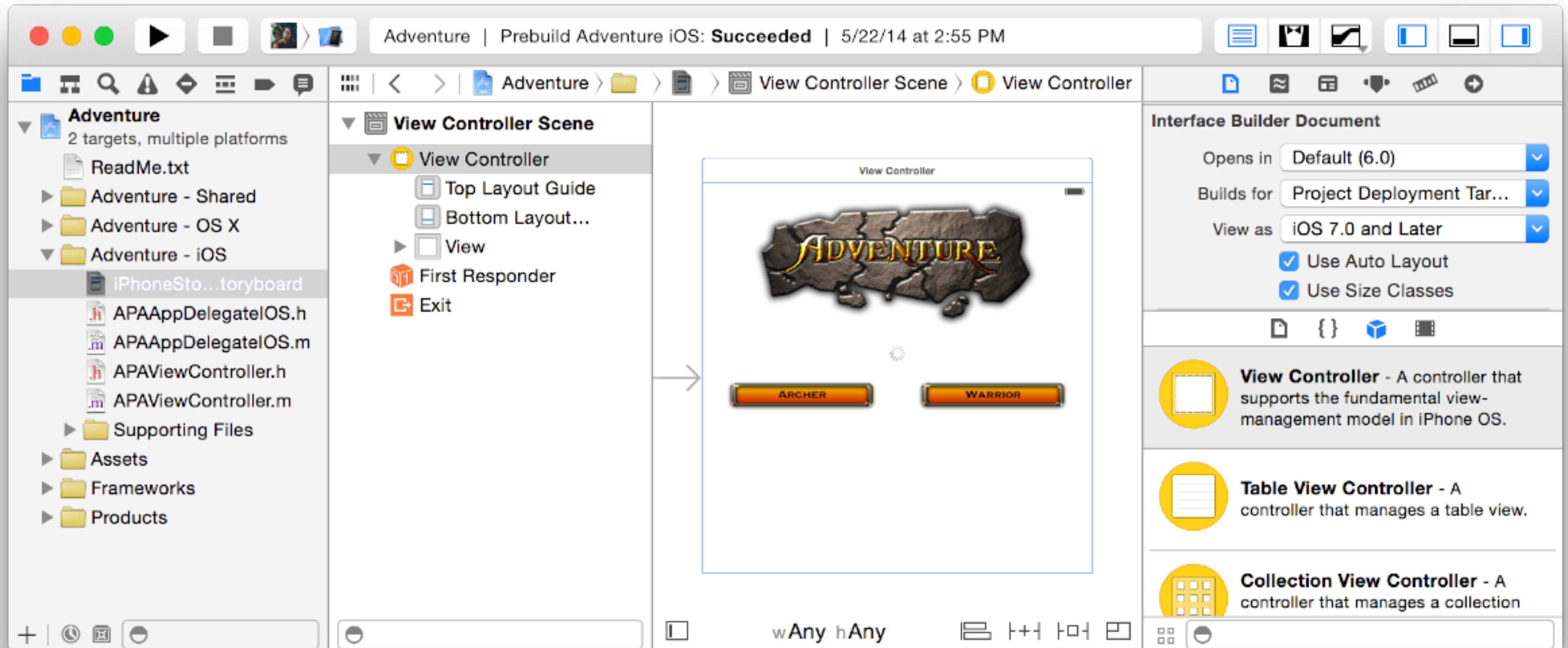
@property (nonatomic, weak) IBOutlet UILabel *titleLabel;
@property (nonatomic, weak) IBOutlet UIButton *goButton;

@end

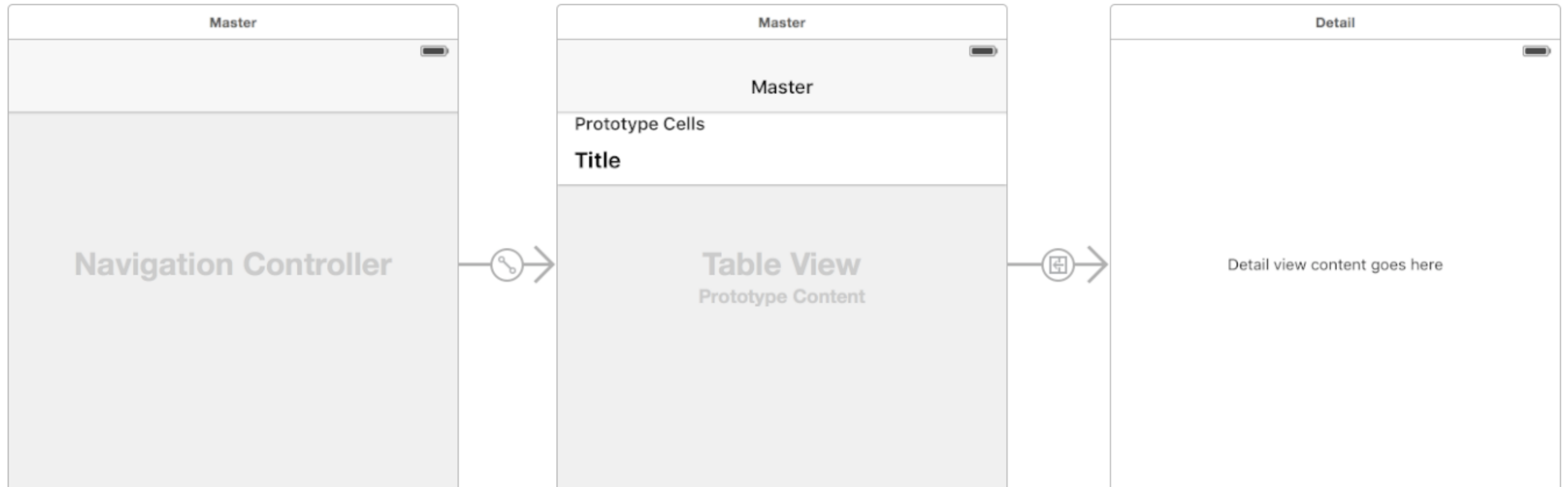
...

welcomeView.backgroundColor = [UIColor colorWithRed:40.0/255.0
                                              green:43.0/255.0
                                              blue:53.0/255.0
                                              alpha:1.0];
welcomeView.titleLabel.textColor = [UIColor whiteColor];
[welcomeView.goButton setTitleColor:[UIColor greenColor] forState:UIControlStateNormal];
```

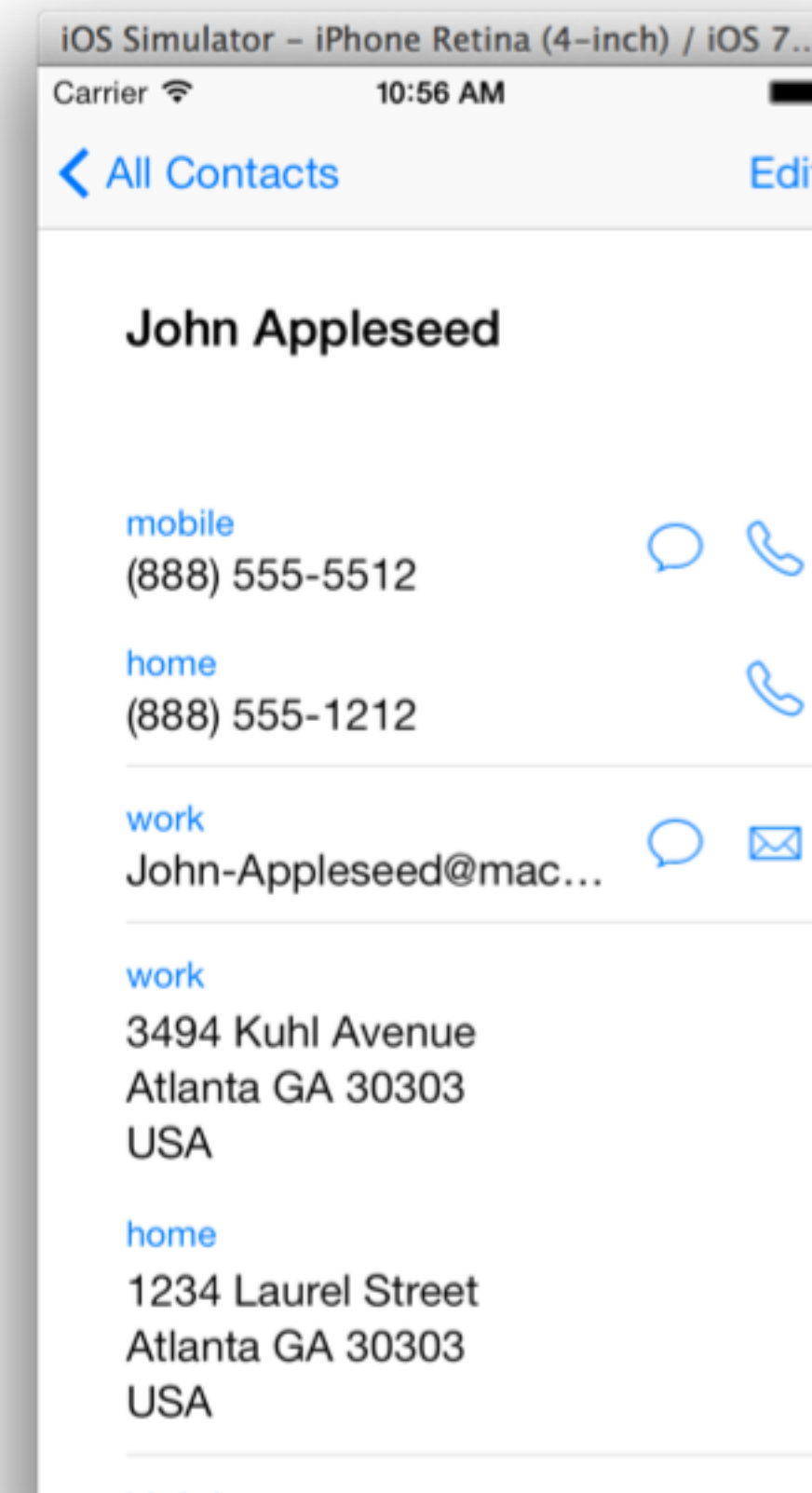
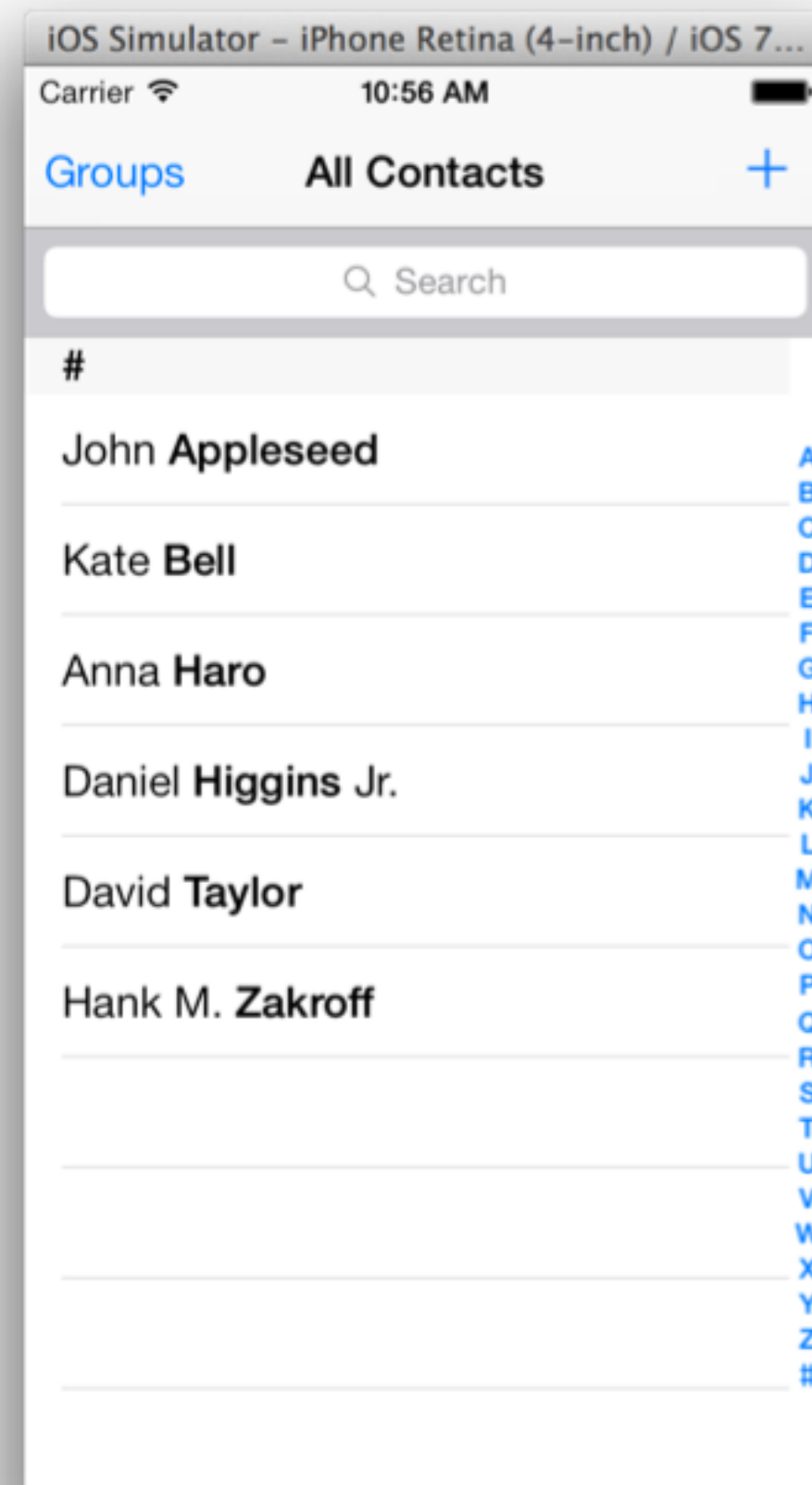

Storyboards – 🍏



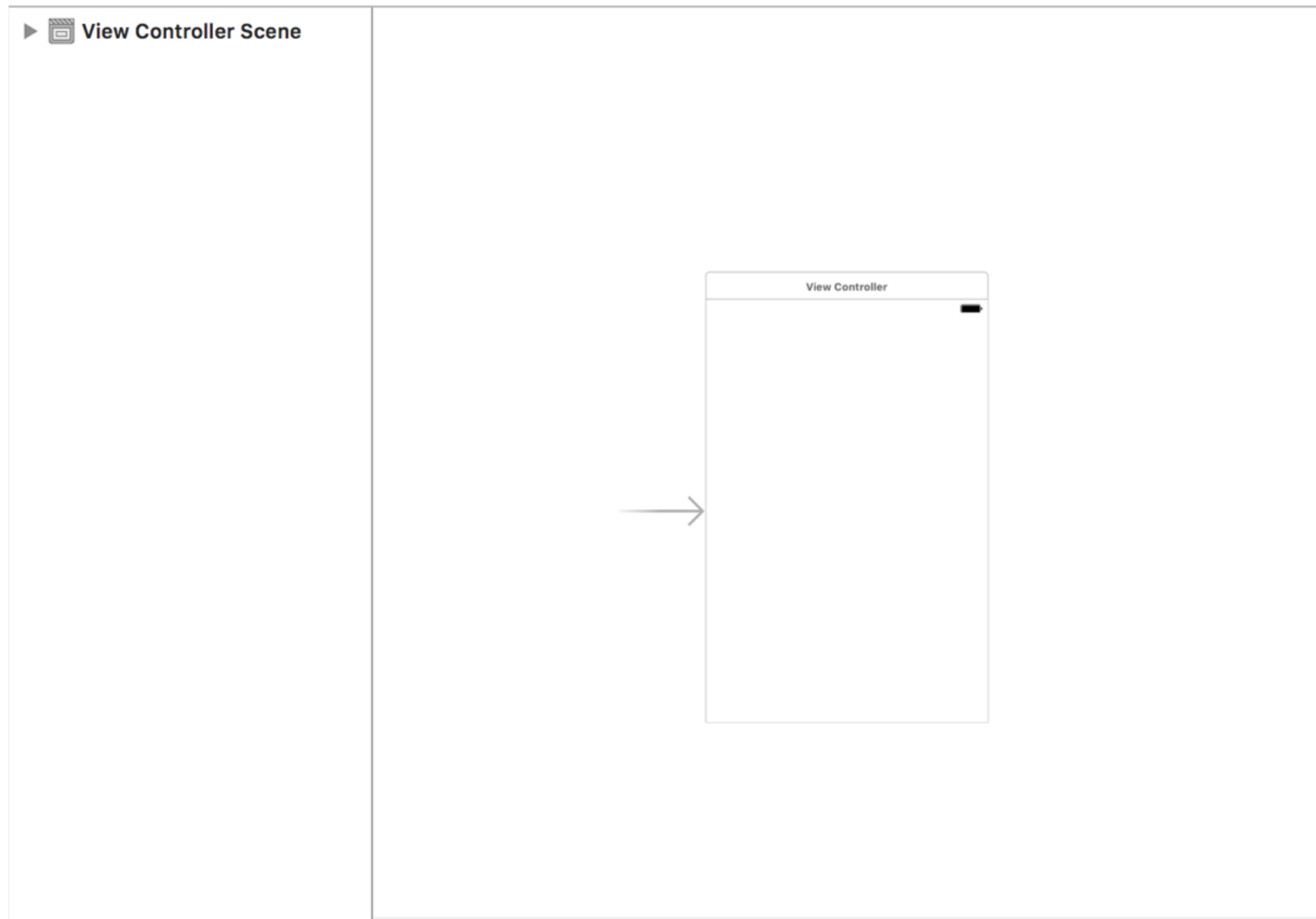
Storyboards – 🍏



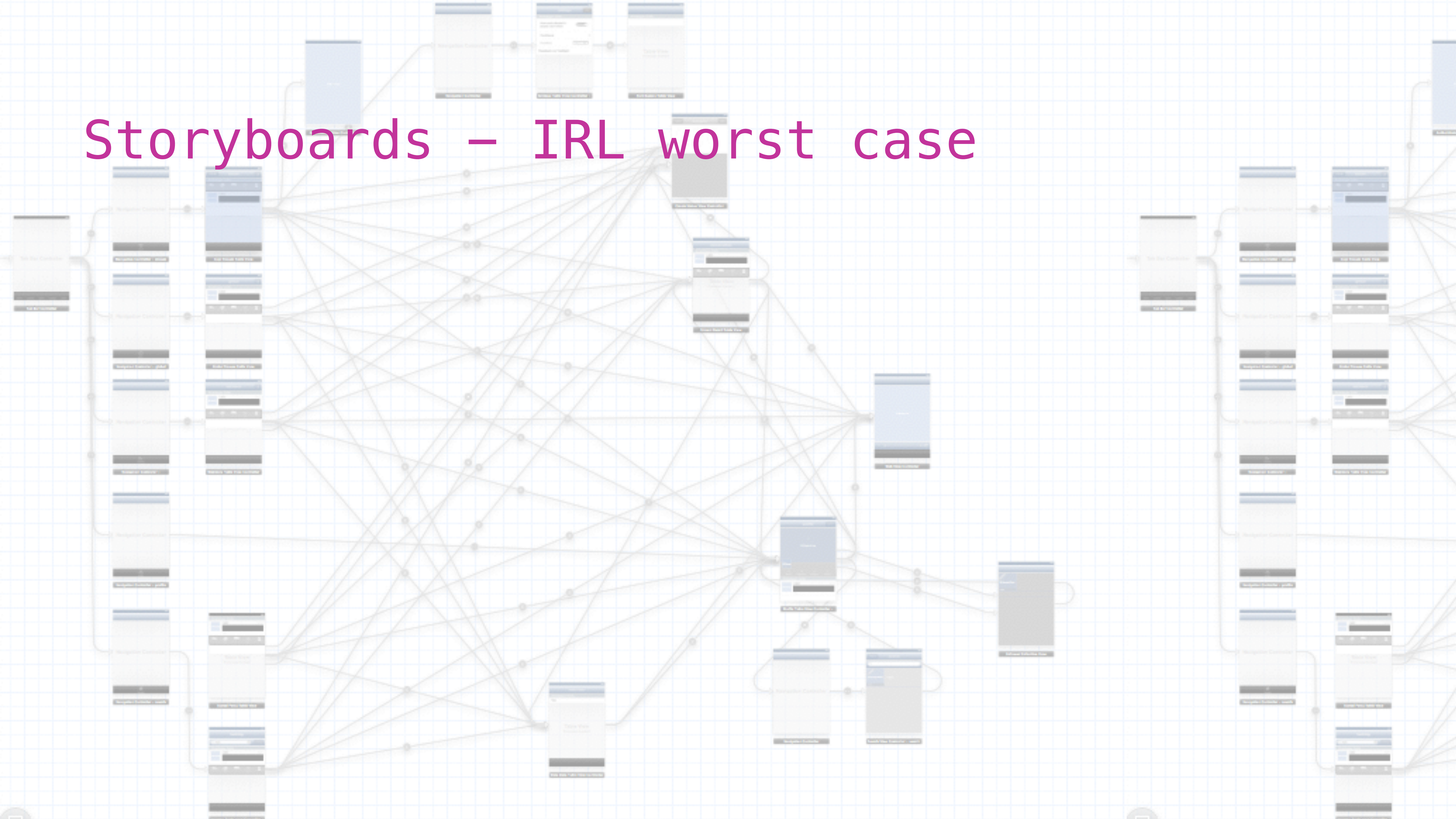
Storyboards –



Storyboards – IRL best case



Storyboards – IRL worst case



Storyboards – why not?

- code review
- localization
- conflicts
- breaks
- big & slow
- *okay good* for prototyping

just code

```
// title
self.welcomeLabel = [[UILabel alloc] initWithFrame:CGRectZero];
self.welcomeLabel.font = [UIFont systemFontOfSize:22];
self.welcomeLabel.textAlignment = NSTextAlignmentCenter;
self.welcomeLabel.backgroundColor = [UIColor whiteColor];
```

just code – why it works?

- no IB
- it's reusable
- bit too much code 😭
- still too much to expose 😭
- still build & run after changes 😭

stylesheets

CONTENT



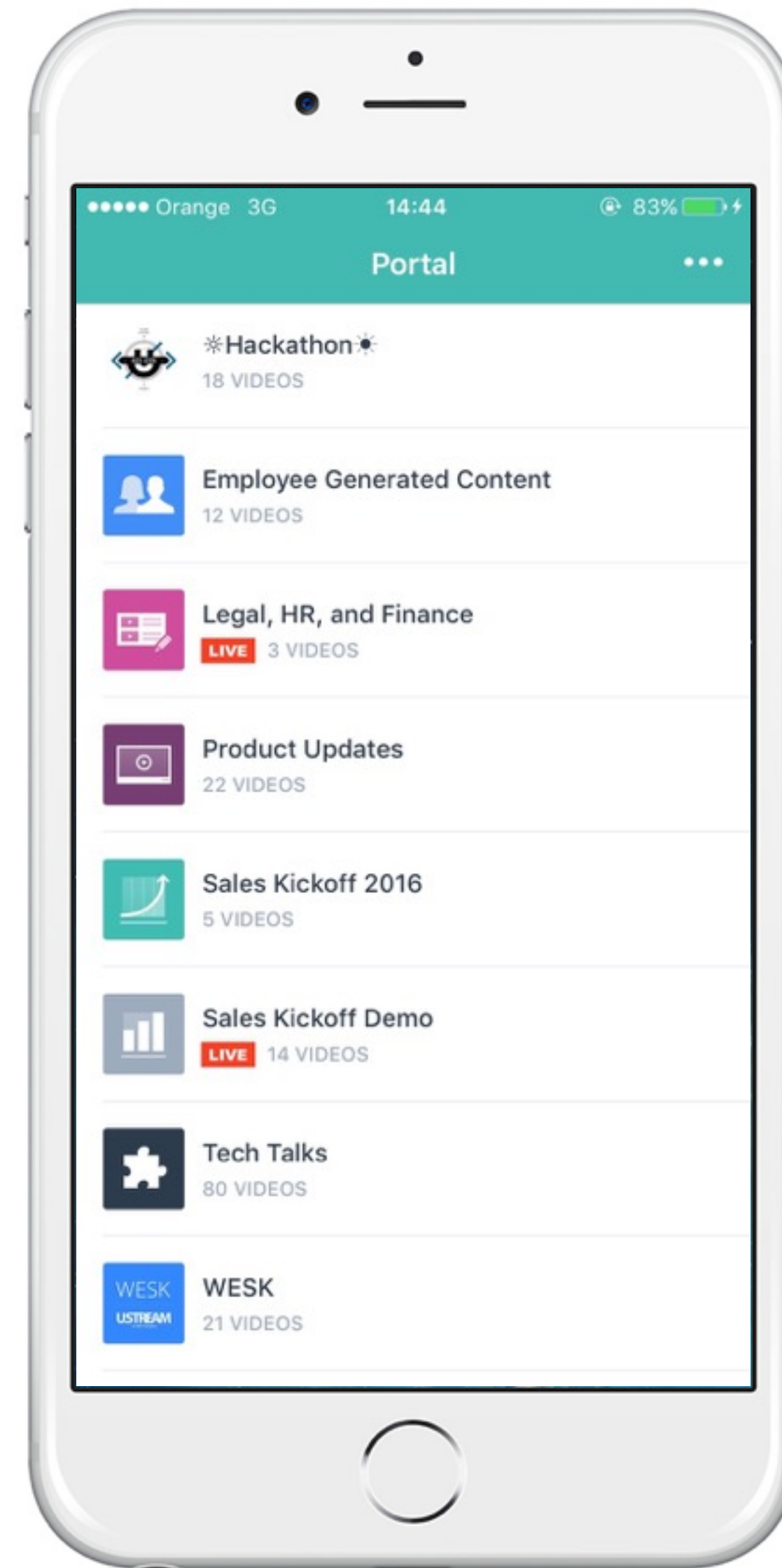
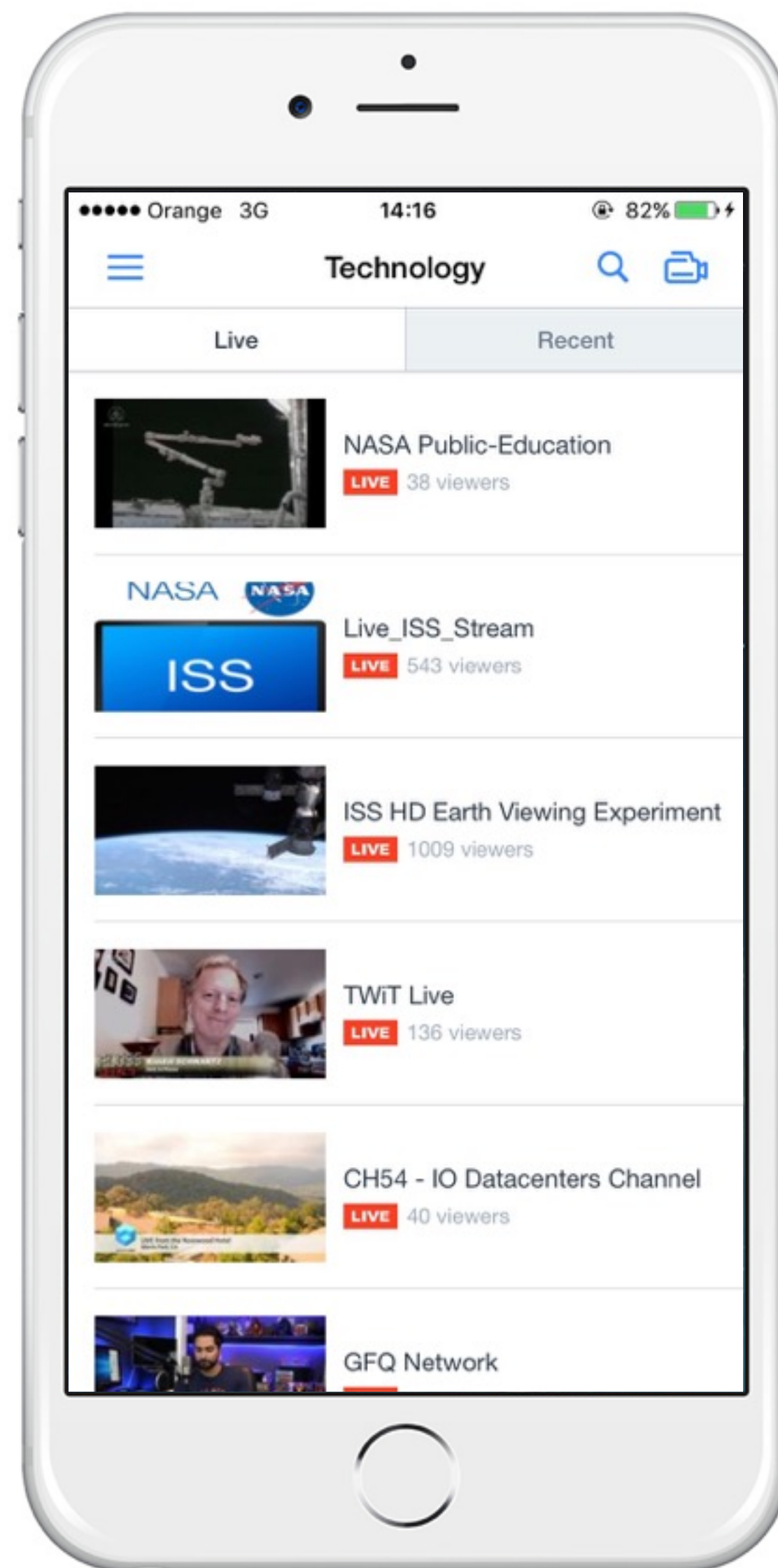
PRESENTATION

stylesheets on iOS

- 3rd party, OSS libs
- different "languages"
- live reload
- reusable as "design"
- UI code more reusable

stylesheets @Ustream

- 2 apps (**in prod**)
- same kind of content ()
- lot of shared code



Classy

build

failing

coverage

unknown

Carthage

compatible

NOTICE: Classy is no longer actively maintained see: [Looking for contributors](#)

Not CSS. Instead of trying to force UIKit to fit CSS syntax, properties, conventions and constructs.

<http://classykit.github.io/Classy/>

```
^WelcomeScreen
  ^TitleView
    backgroundColor $overlay-background-color
  goButton @
    titleLabel @
      font HelveticaNeue 17
      text-color #fff
      text-align center
    welcomeLabel @
      backgroundColor $transparent-color
      textColor #fff
      text-align center
      font HelveticaNeue 15
    inputField @
      backgroundColor #FFFFFF33
      textColor #fff
      font HelveticaNeue 15
      placeholderTextAttributes @
        foreground-color #FFFFFF66
```


NUI

build passing pod v0.5.5 license MIT platform ios

Style iOS apps with a stylesheet, similar to CSS

<https://github.com/tombenner/nui>

```
TransparentTitleLabel {  
    font-color: @color-white;  
    font-name: @font-regular;  
    text-align: center;  
    font-size: 22;  
}
```

```
// title
self.welcomeLabel = [[UILabel alloc] initWithFrame:CGRectMake(0, 0, 100, 40)];
self.welcomeLabel.styleClass = @"TransparentTitleLabel";
```



```
/* fonts ----- */

@font-thin: thinSystem; /* 100 */
@font-ultraLight: ultraLightSystem; /* 200 */
@font-light: lightSystem; /* 300 */
@font-regular: system; /* 400 */
@font-italic: italicSystem;
@font-medium: mediumSystem; /* 500 */
@font-semibold: semiboldSystem; /* 600 */
@font-bold: boldSystem; /* 700 */
@font-heavy: heavySystem; /* 800 */
@font-black: blackSystem; /* 900 */
```

```
/* colors ----- */
```

```
@color-ublue: #3388ff;
@color-white: #ffffff;
@color-green: #91b31b;
@color-green-light: #a3cc14;
@color-orange: #f28a2e;
@color-orange-light: #ffa02d;
@color-red: #ff3d23;
@color-red-light: #ff604c;
@color-purple: #773e74;
```

```
@color-pro: #539eec;
@color-align: #3fbcb3;

@color-alert1: #fef9e8;
@color-alert2: #fff5c9;
@color-alert3: #ffdf80;
@color-alert-text: #99804c;
@color-error: #ce3613;
@color-error-on-transparent: #cc0000;
@color-success: #66b543;
```

```
@color-ublack: #17232e;
@color-text1: #2c3c4c;
@color-text2: #5c6c7c;
@color-text3: #7c8c9c;
@color-text4: #9cacbc;
@color-text5: #b3bdc6;
@color-icon1: #b9c6d0;
@color-separator-light-gray: #cbd4dc;
```

DEMO

stylesheets 👎

- app size ▶▶ parsing time (fixed)
- code review ?
- 3rd parties: too slow/too basic

how can we make it better?

- make a 3rd party faster
- write your own

<https://github.com/vasarhelyia/SwiftySheetsDemo>

stylesheets 🙌

- code separation ✓
- live reload ✓
- reusable style ✓
- teamwork 💜

THANK YOU

Q&A

we are hiring!