What's new in Smarticle

Layout

Orientation

Animation

Layout

Positioning

Fonts

Colors

Carrier 🛜

8:38 PM

Back

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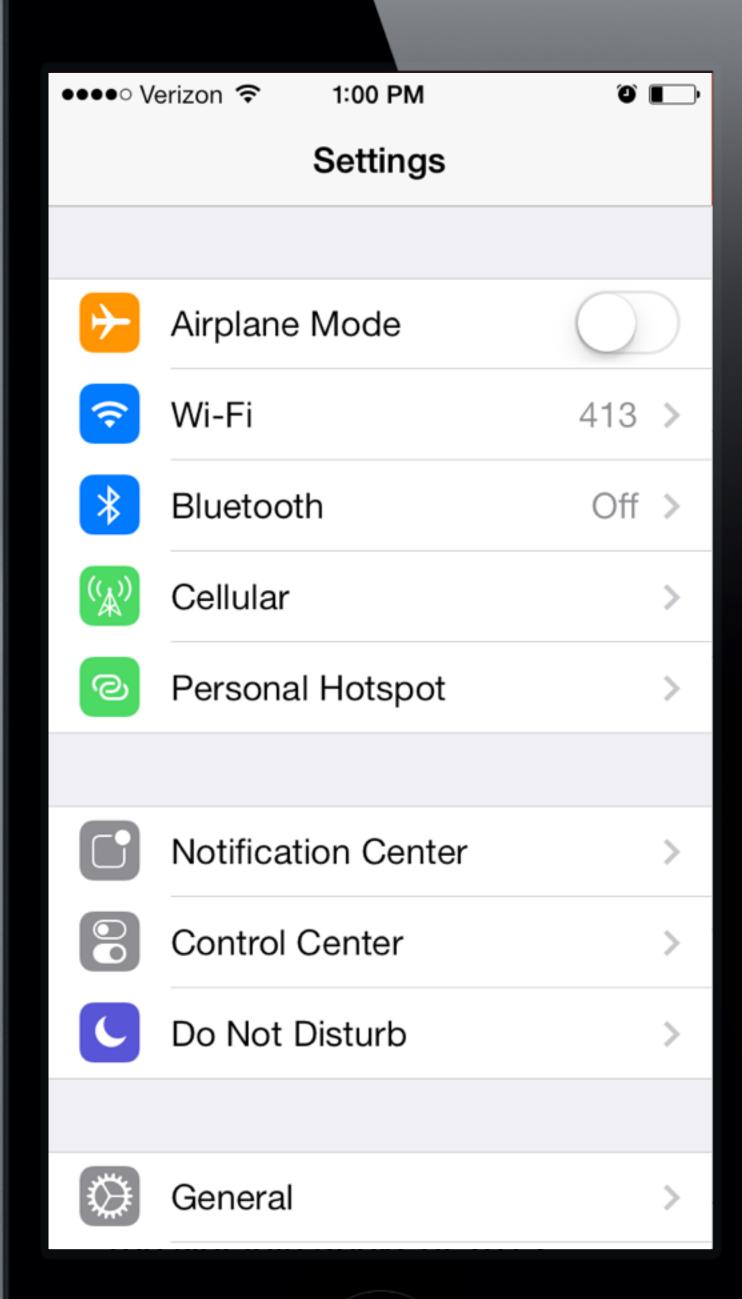
★ The Power of a Daily Bout of Exercise

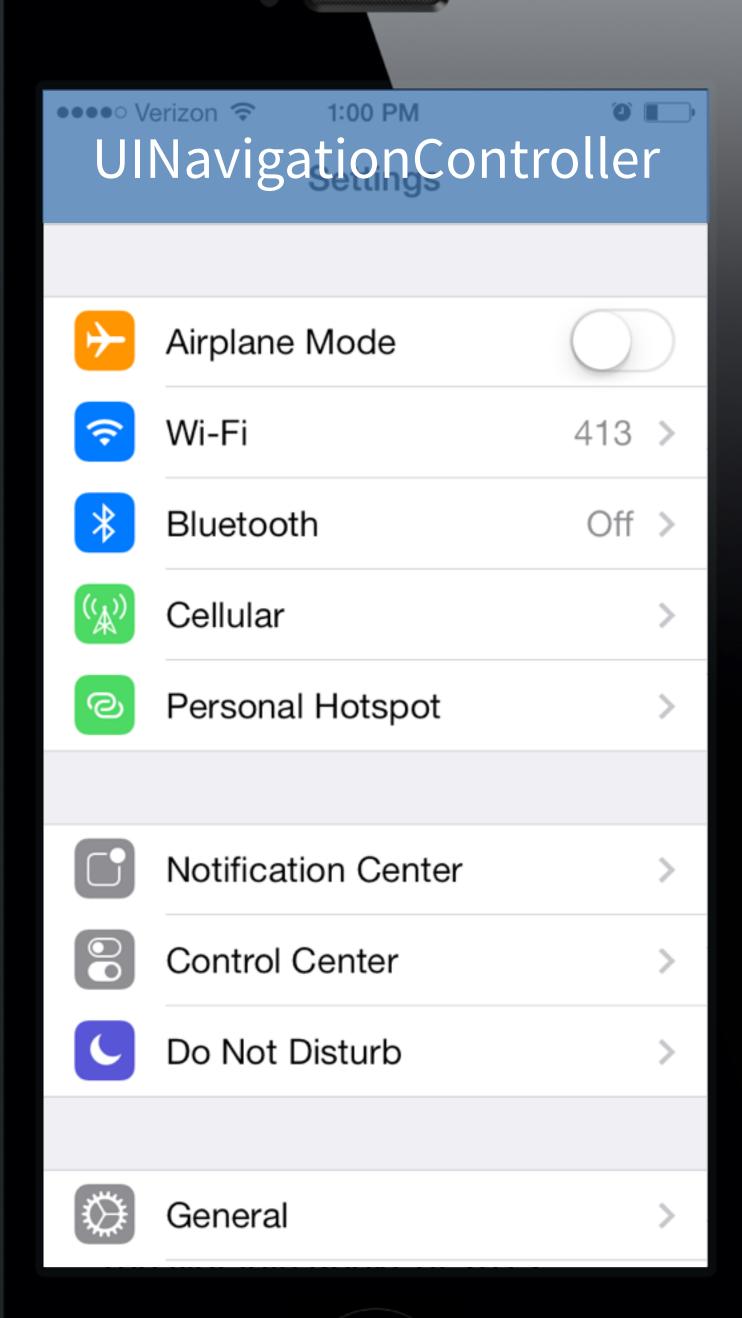
A new study suggests a moderate daily exercise session can blunt the harmful effects of overeating and...

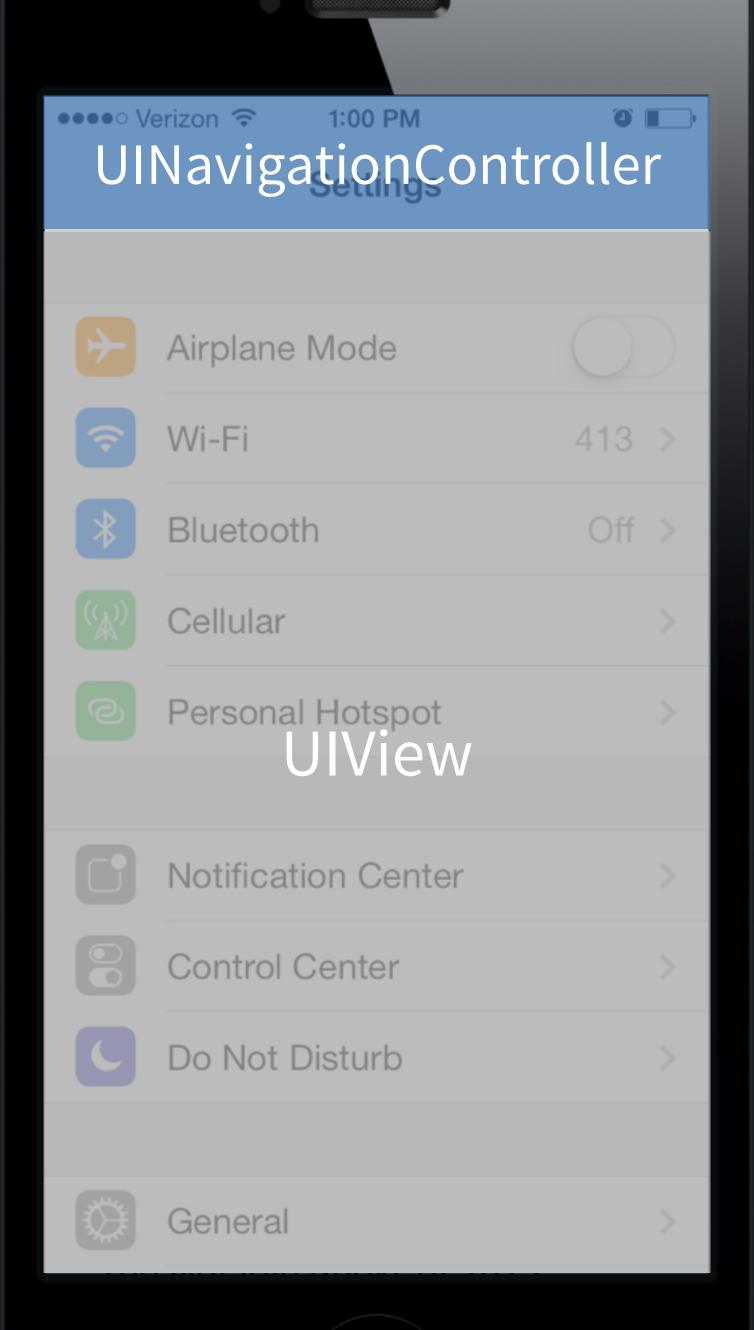
View Controllers

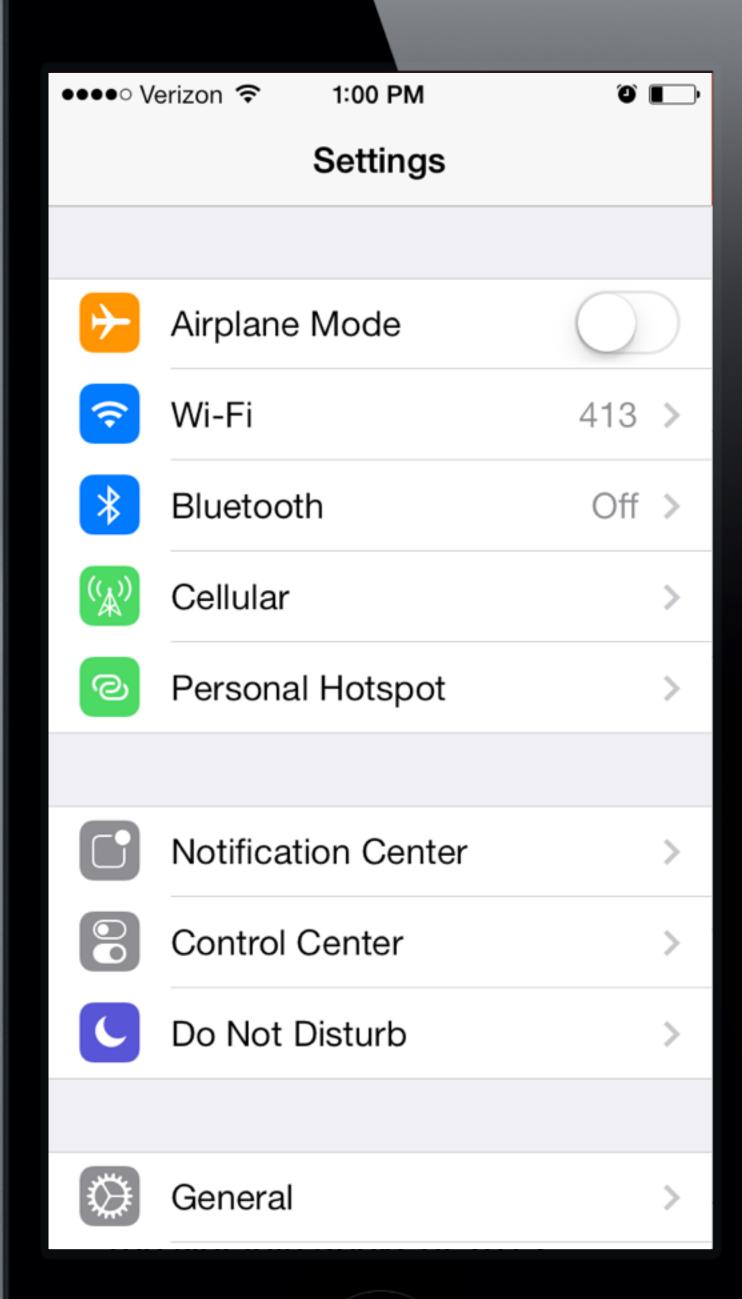
Views

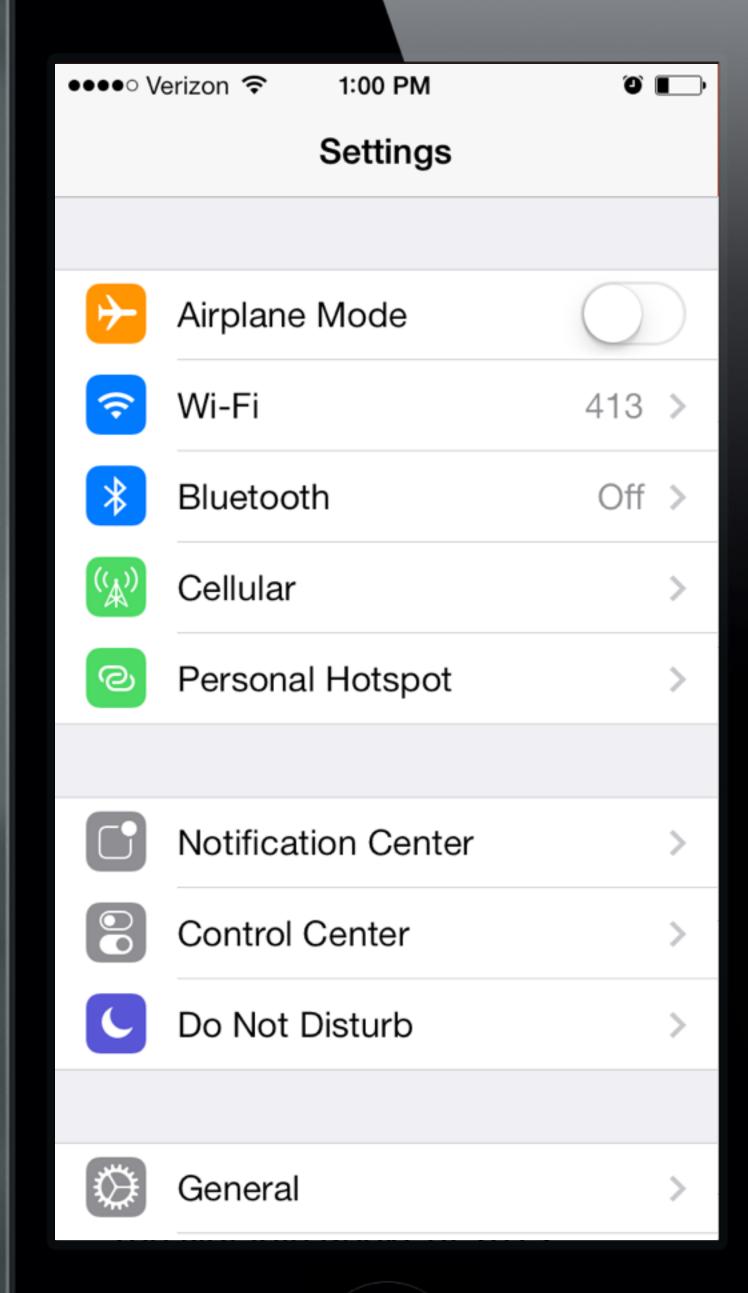
Positioning

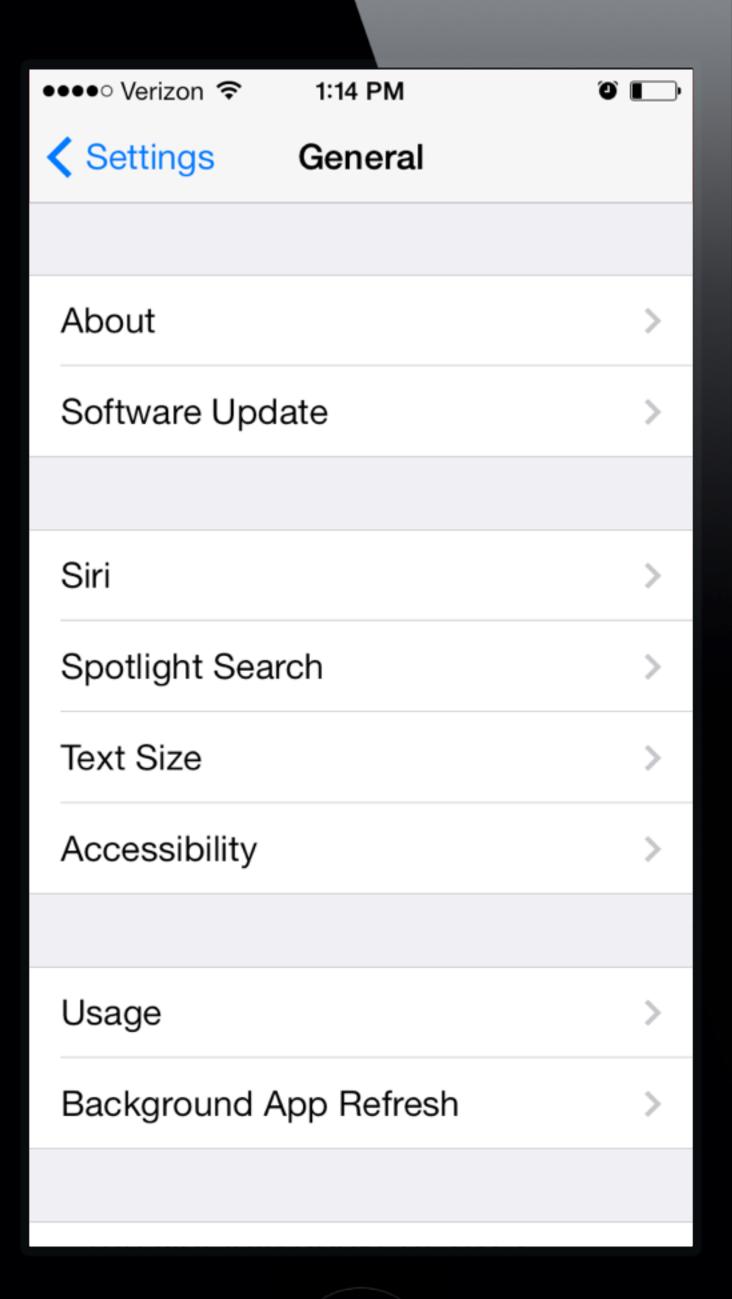


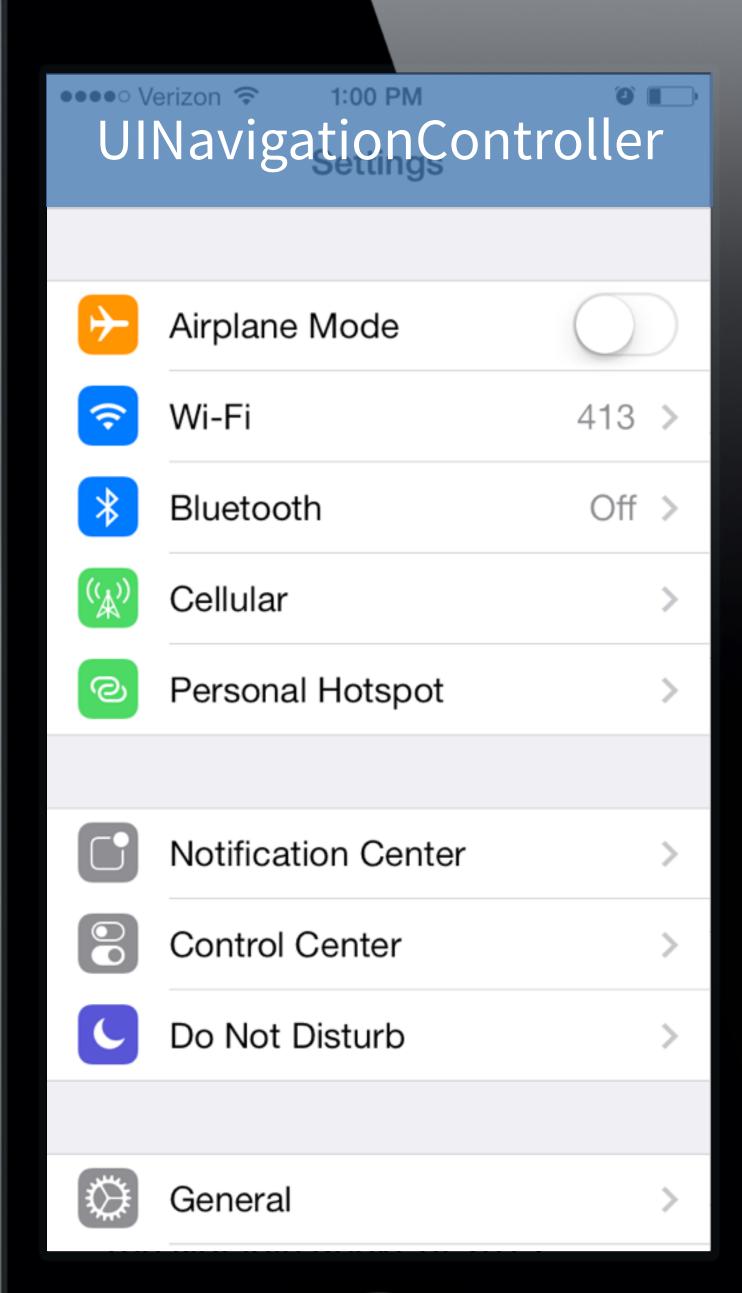




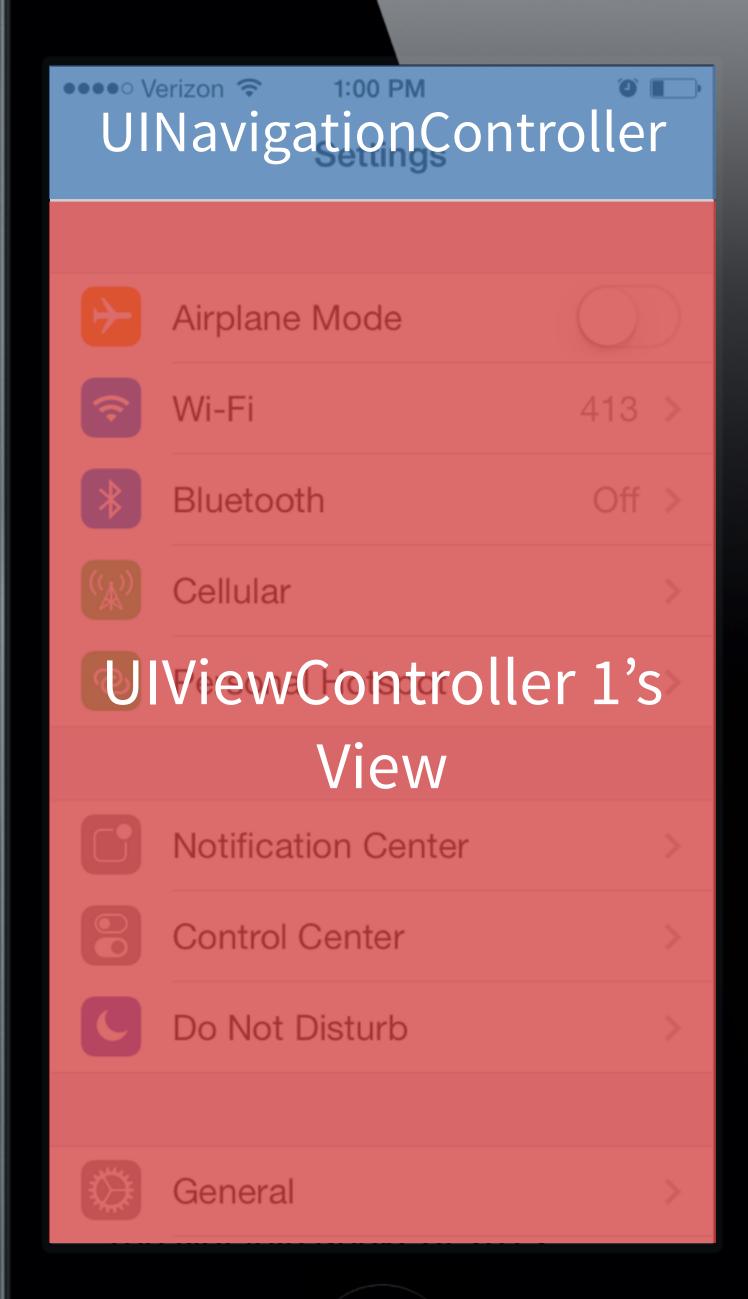








Ull avigation Controller	
About	>
Software Update	>
Siri	>
Spotlight Search	>
Text Size	>
Accessibility	>
Usage	>
Background App Refresh	>



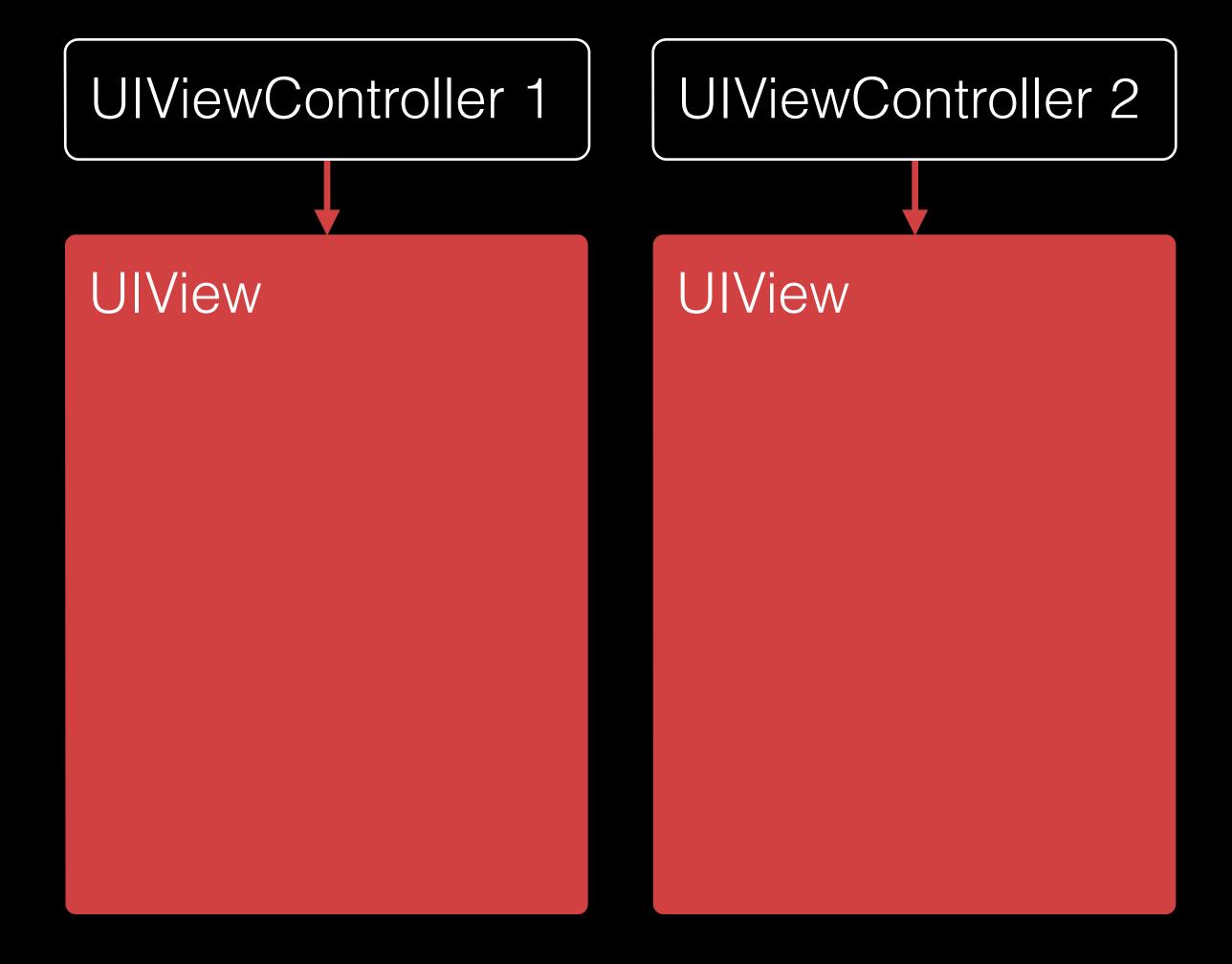


UINavigationController

UIWindow

UIView

UINavigationBar



UINavigationController UIWindow UIView UINavigationBar UIView

UIViewController 1

UIViewController 2

UINavigationController UIWindow UIView UINavigationBar UlView

UIViewController 1

UIViewController 2

UINavigationController UIWindow UIView UINavigationBar UIView

UIViewController 1

UIViewController 2

Loading its view

Mediating between its view and models

Handling transitions

Handling view appearance

Handling rotation events

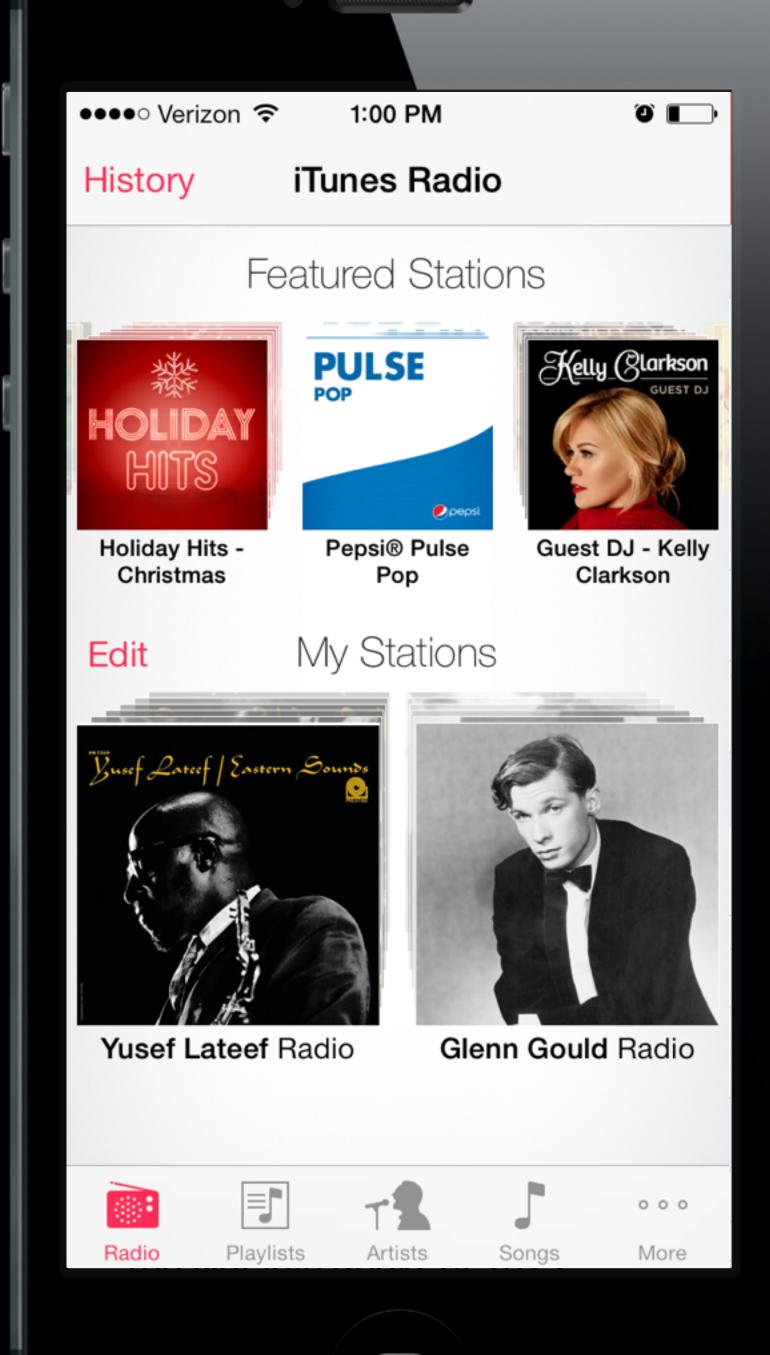
Saving and loading view state

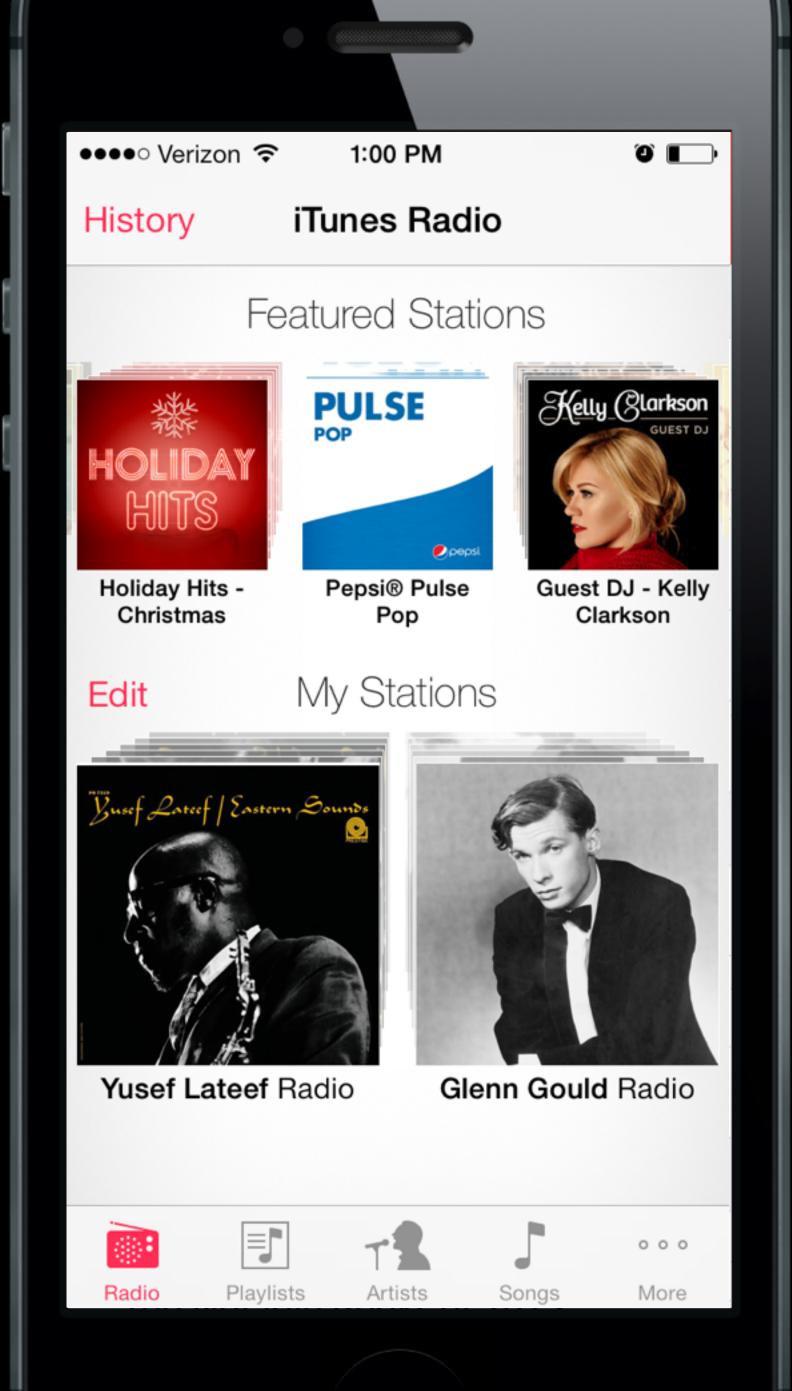
Handling view appearance

- viewDidLoad
- viewWillAppear:animated
- viewDidAppear:animated
- viewWillDisappear:animated
- viewDidDisappear:animated

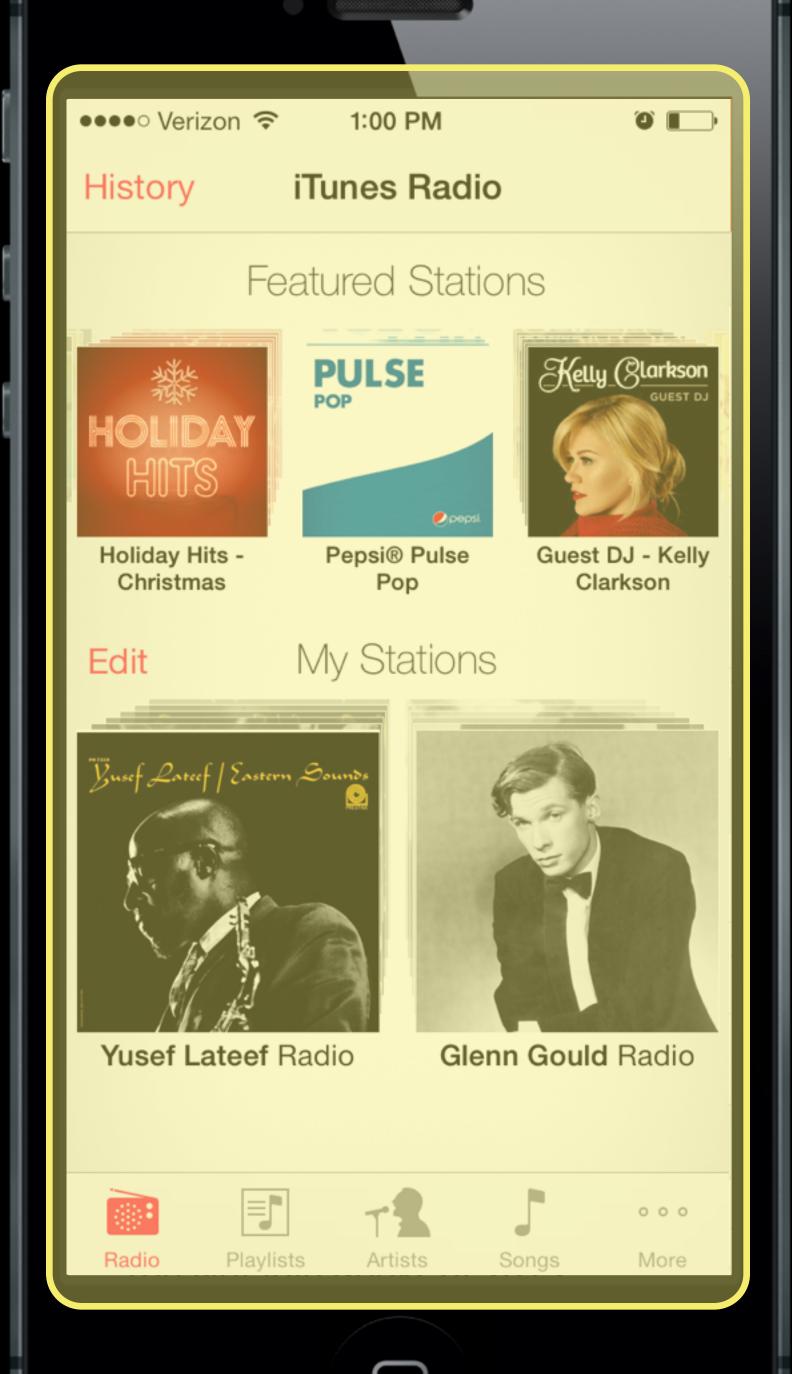
- viewDidLoad
- viewWillAppear:animated
- viewDidAppear:animated
- viewWillDisappear:animated
- viewDidDisappear:animated

View Controller Containment

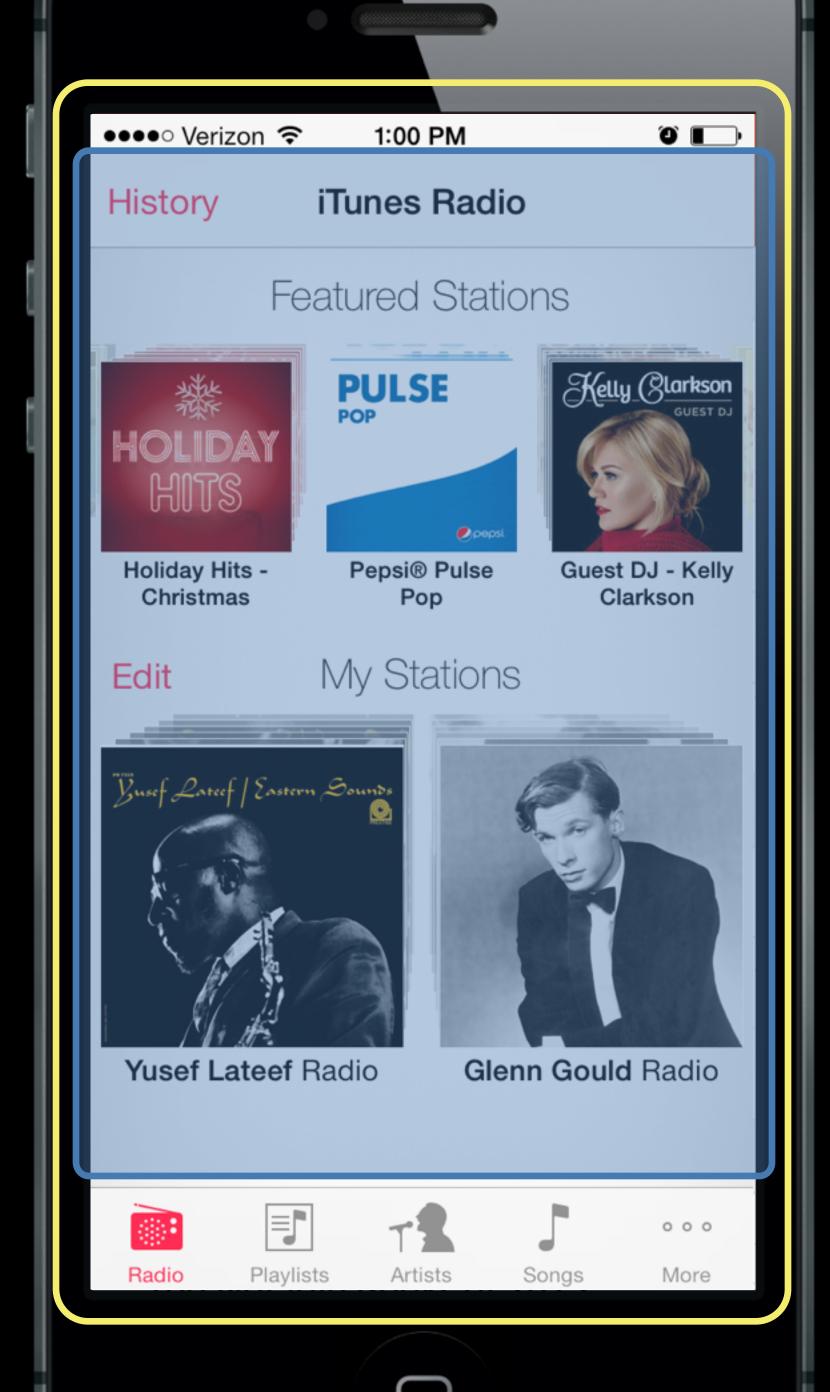


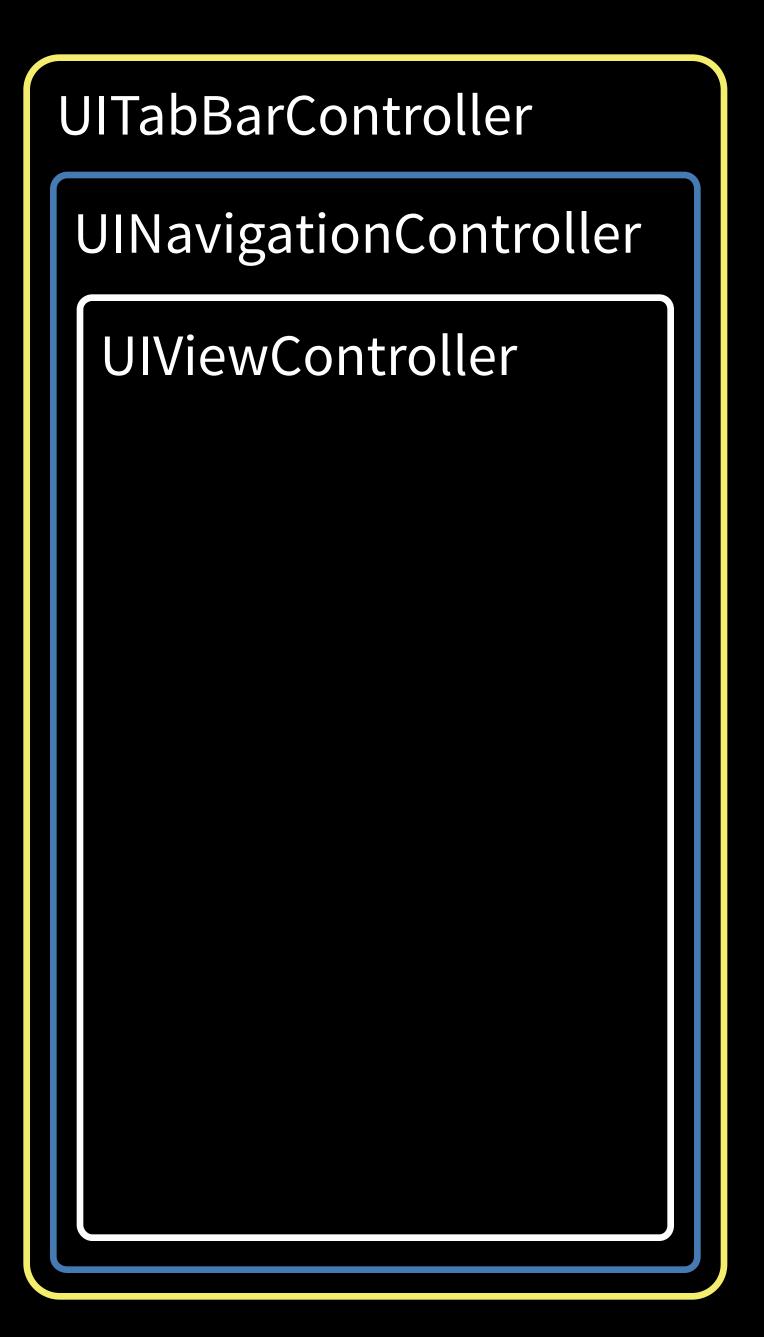


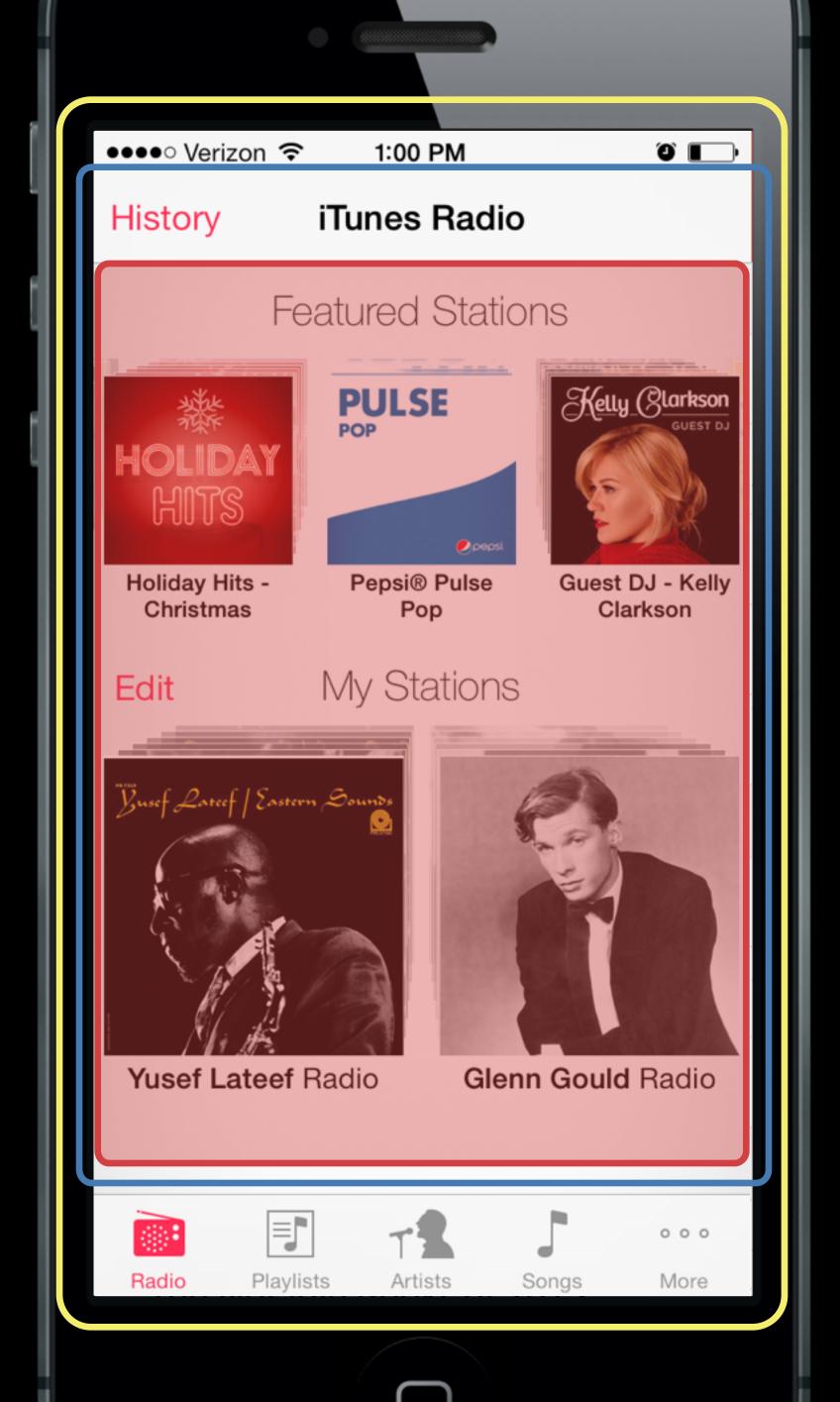
UITabBarController UINavigationController UIViewController



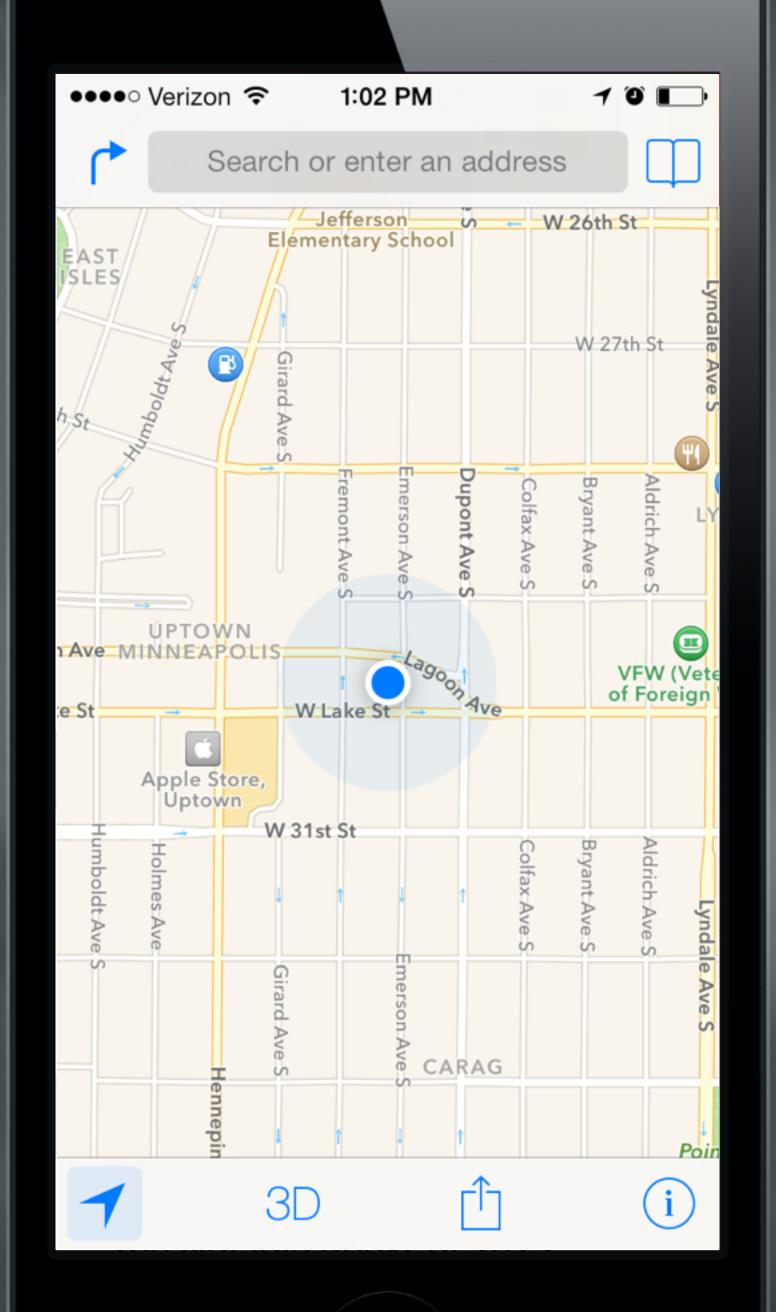
UITabBarController UINavigationController UIViewController

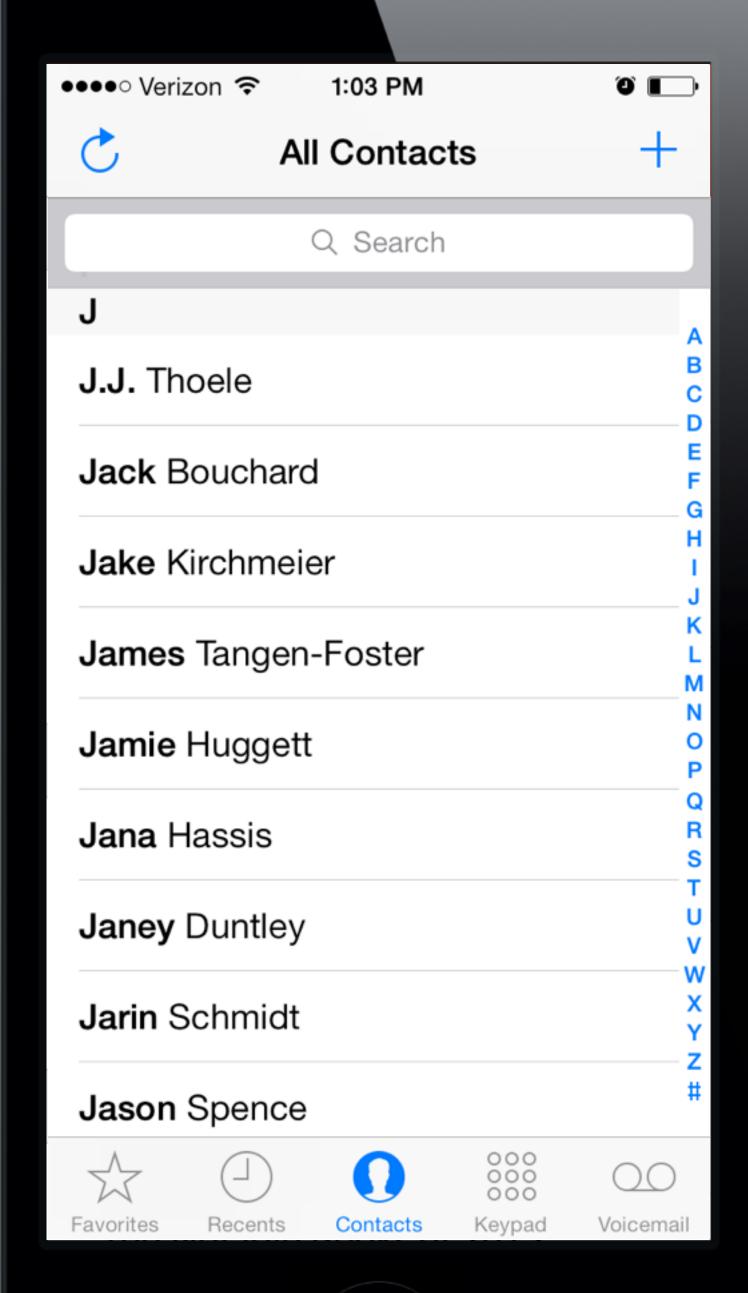


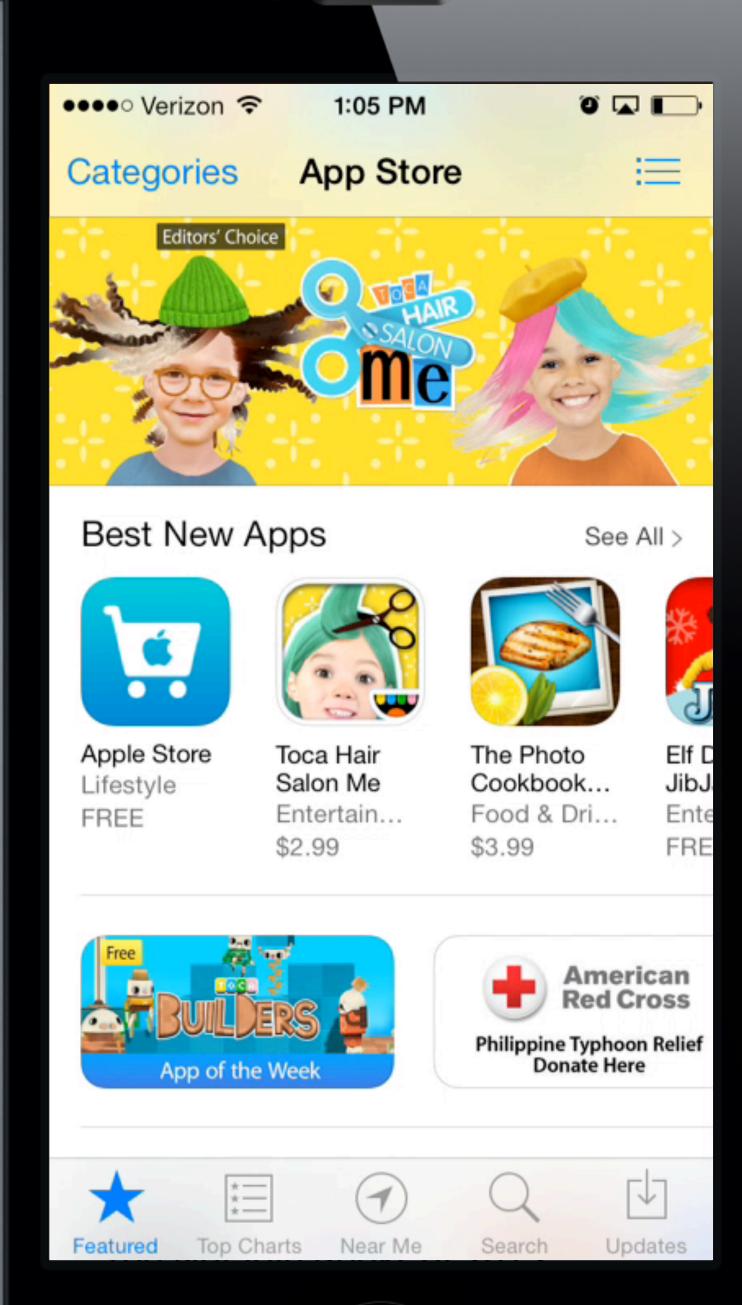


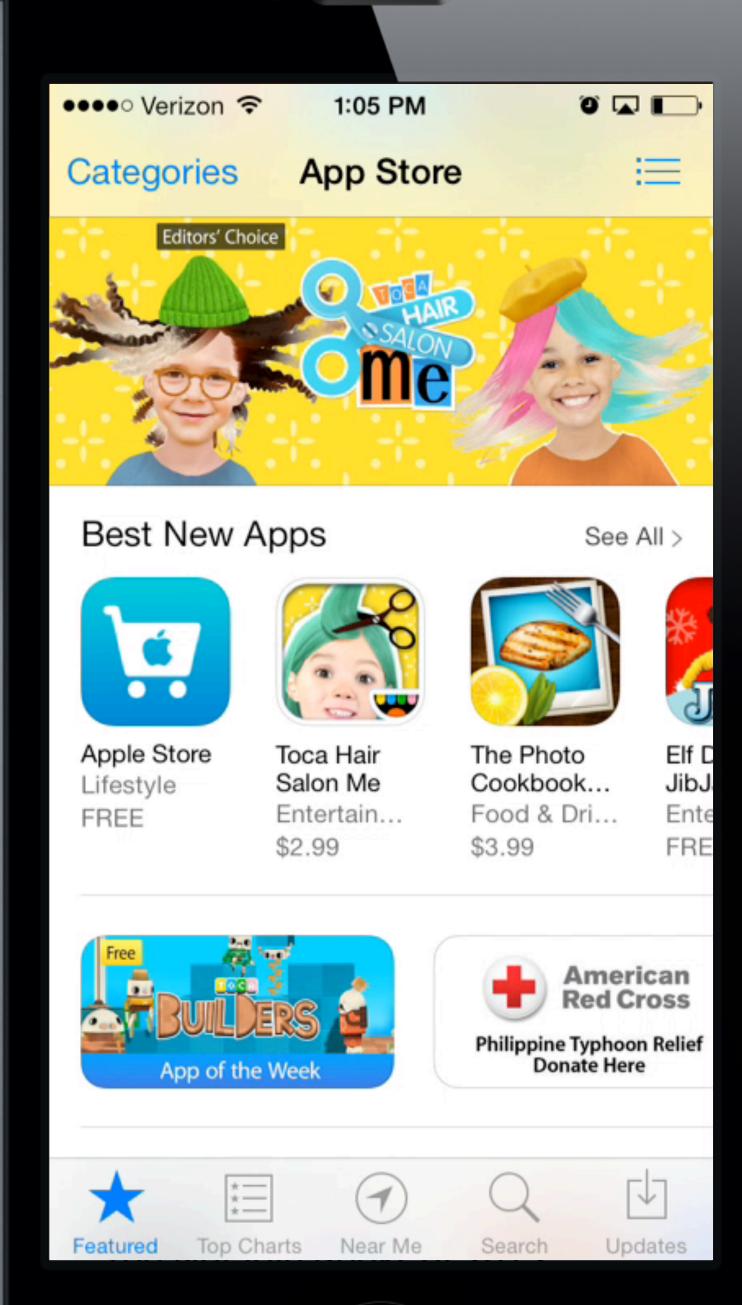












Is a rectangular region

Manages its subviews

Has built-in animation support

Handles touch events

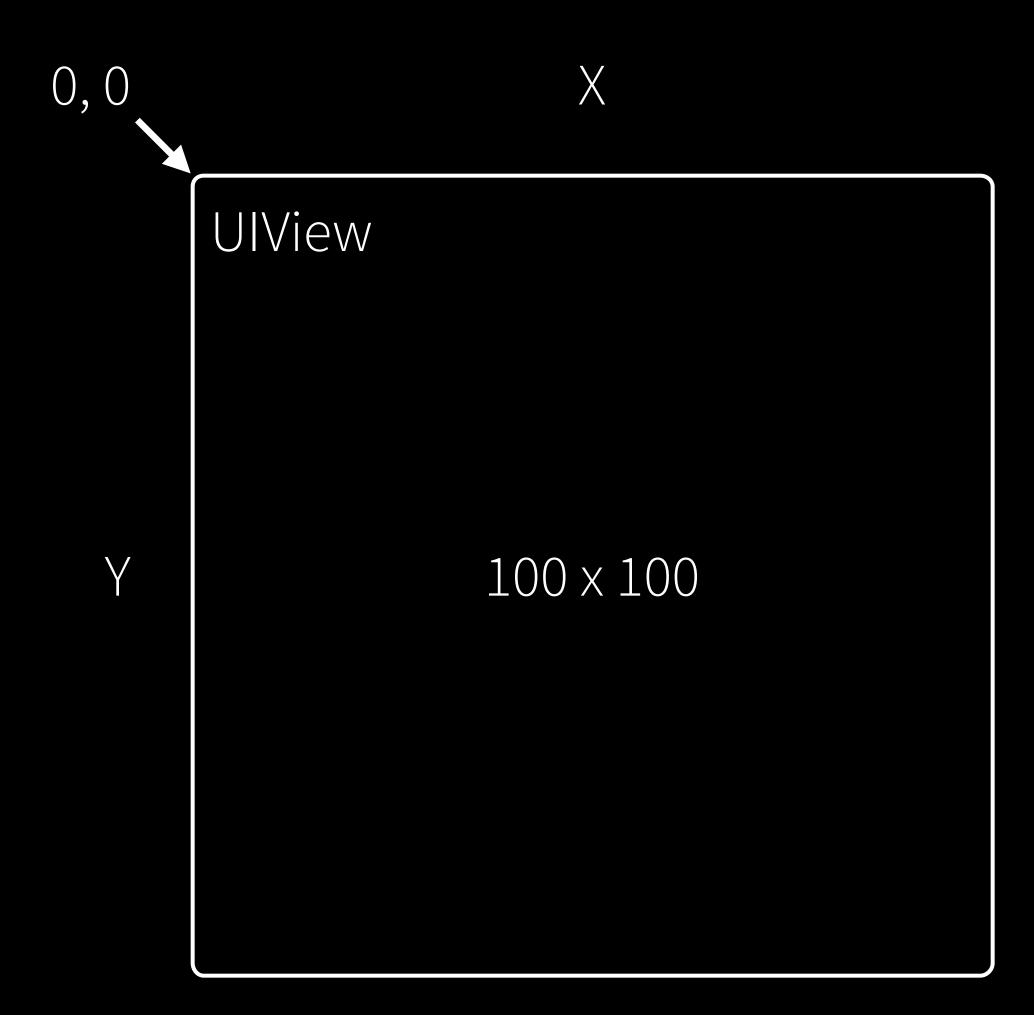
Coordinate System

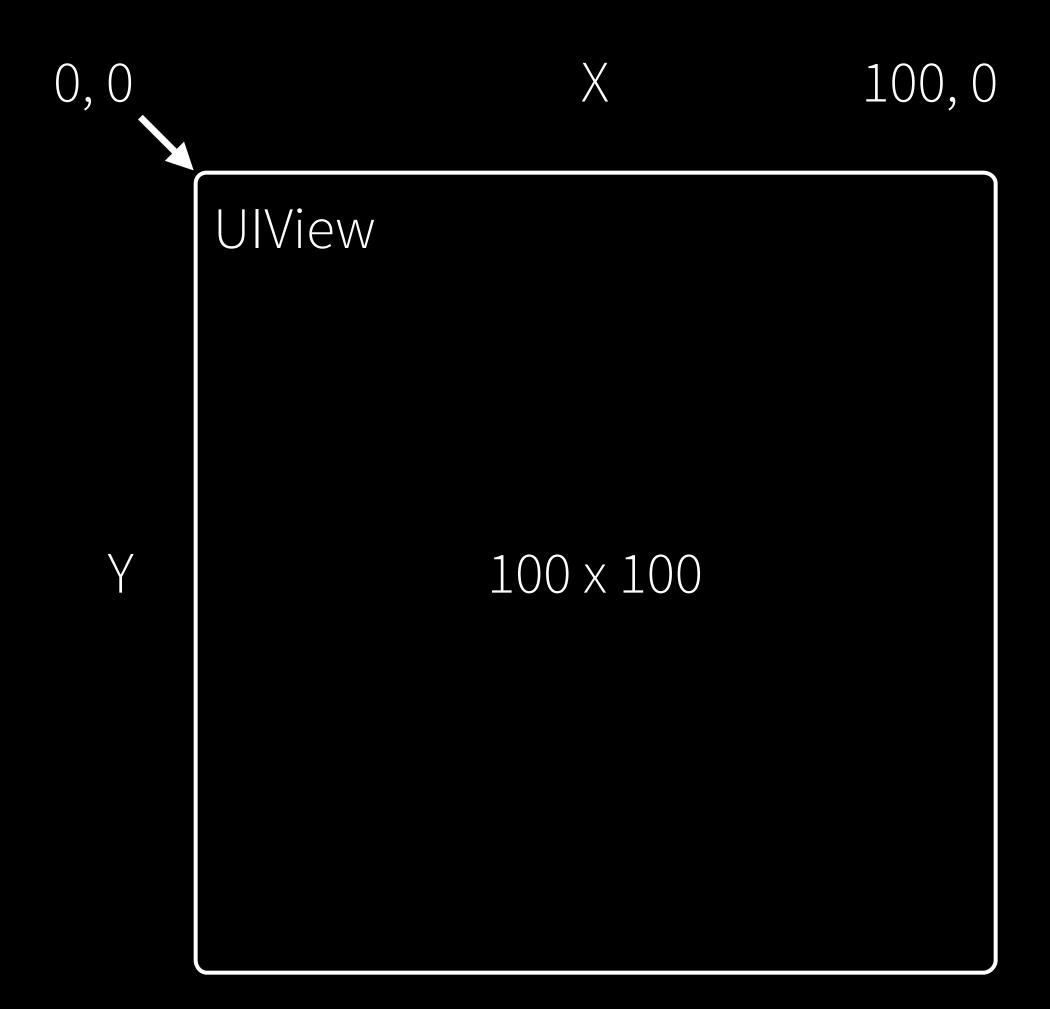
X

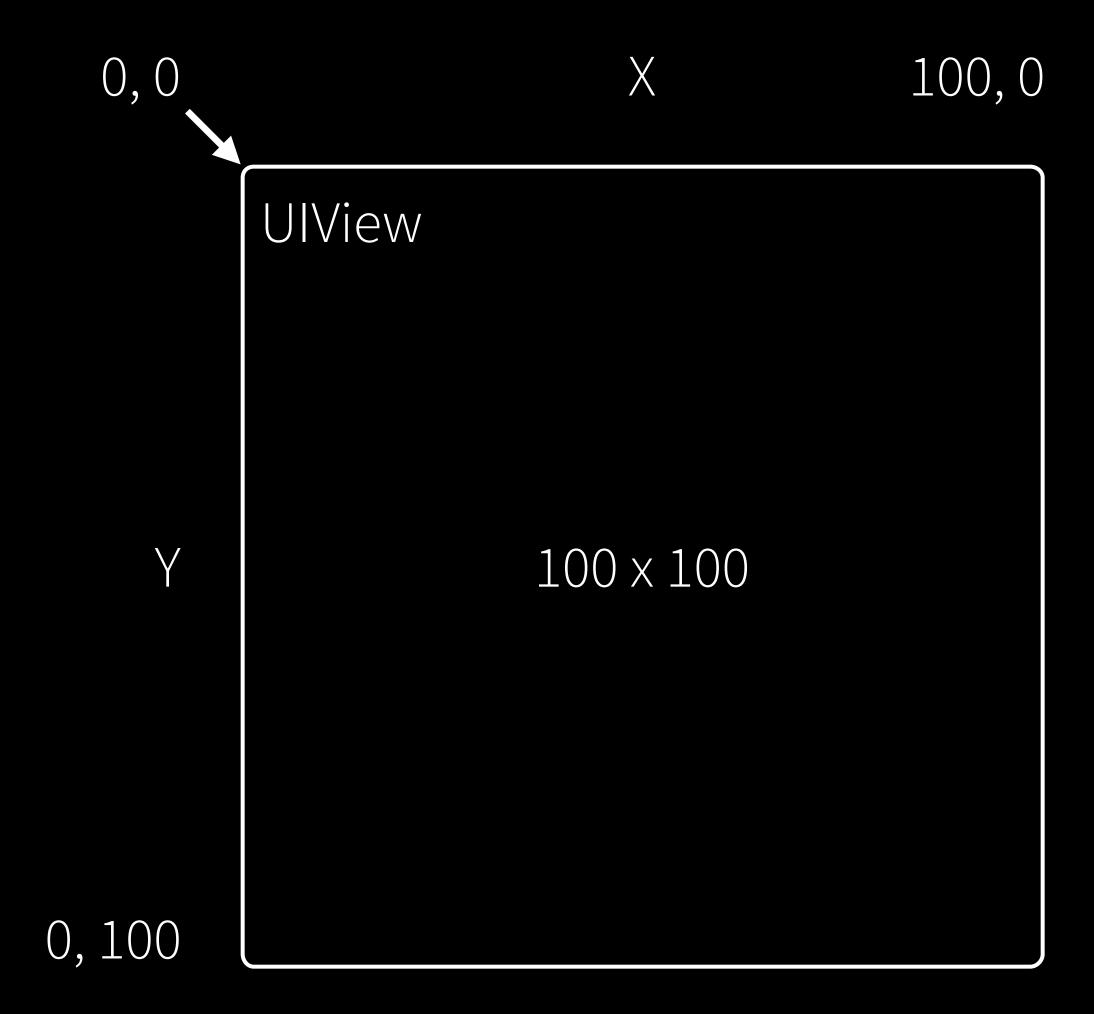
UIView

Y

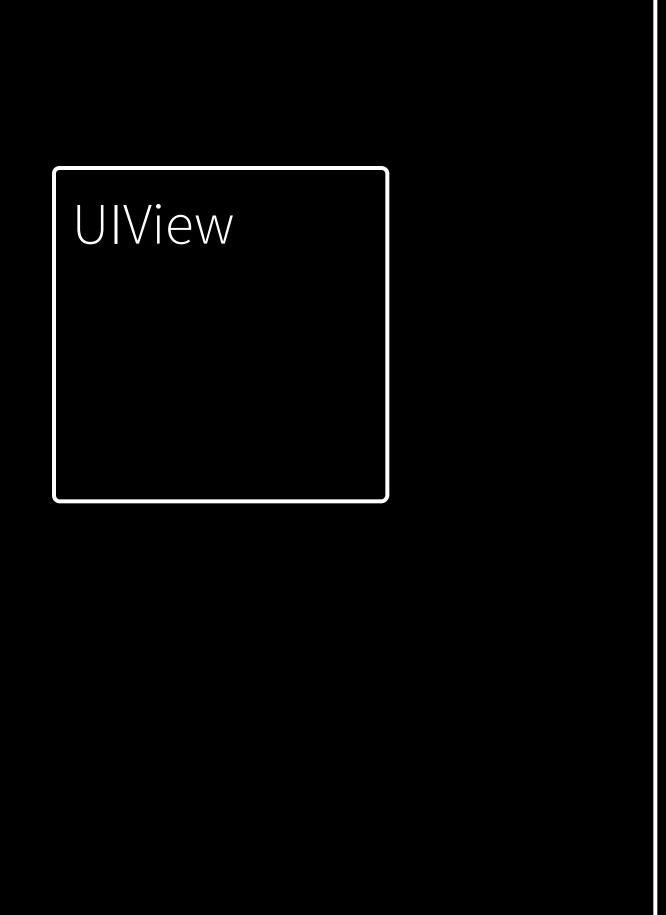
100 x 100







frame & bounds



frame: (x, y) (width, height)



frame: (50.0, 50.0) (width, height)



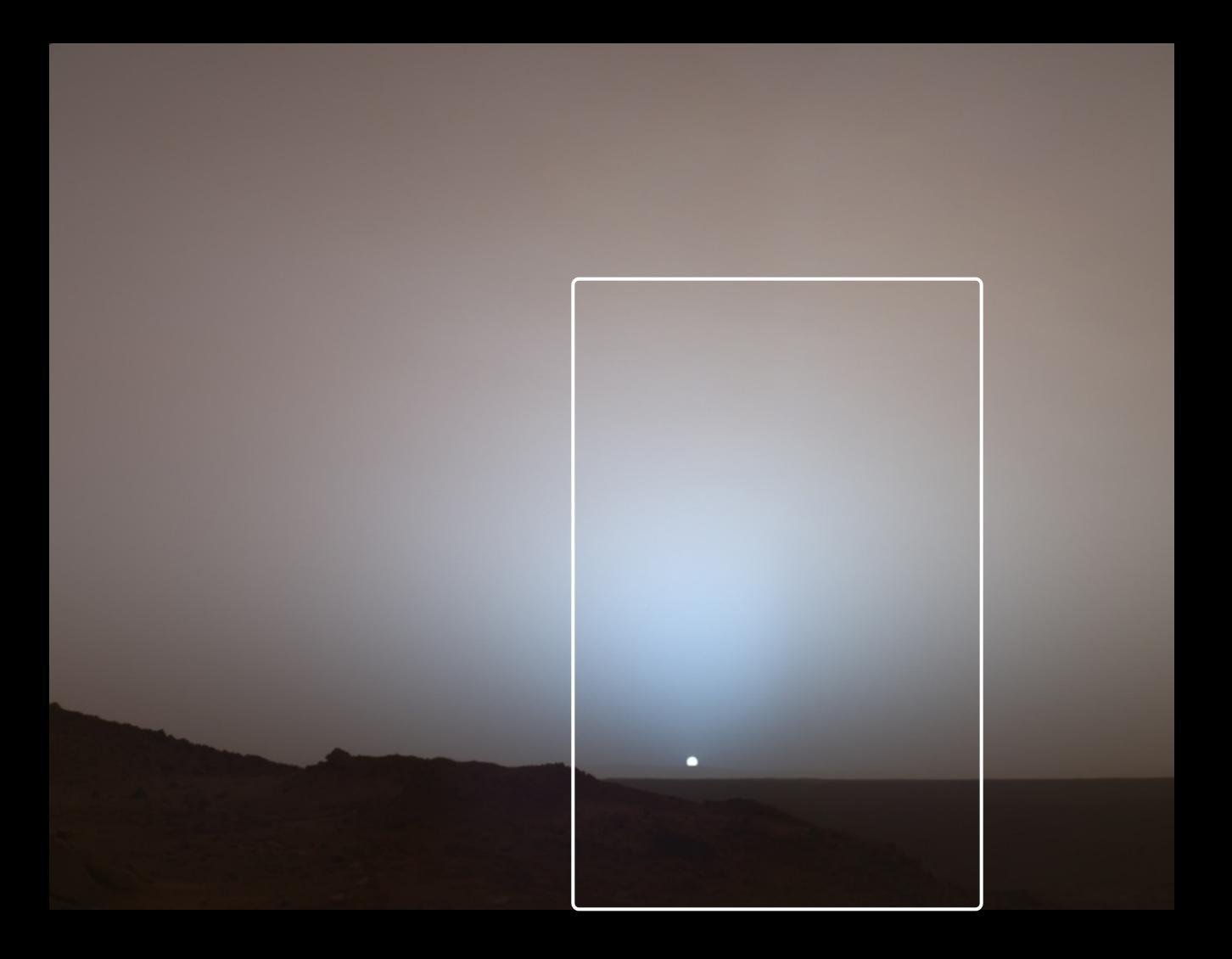
frame: (50.0, 50.0) (100.0, 100.0)



frame: (50.0, 50.0) (100.0, 100.0)

bounds: (0.0, 0.0) (100.0, 100.0)

bounds: (0.0, 0.0) (350.0, 550.0)

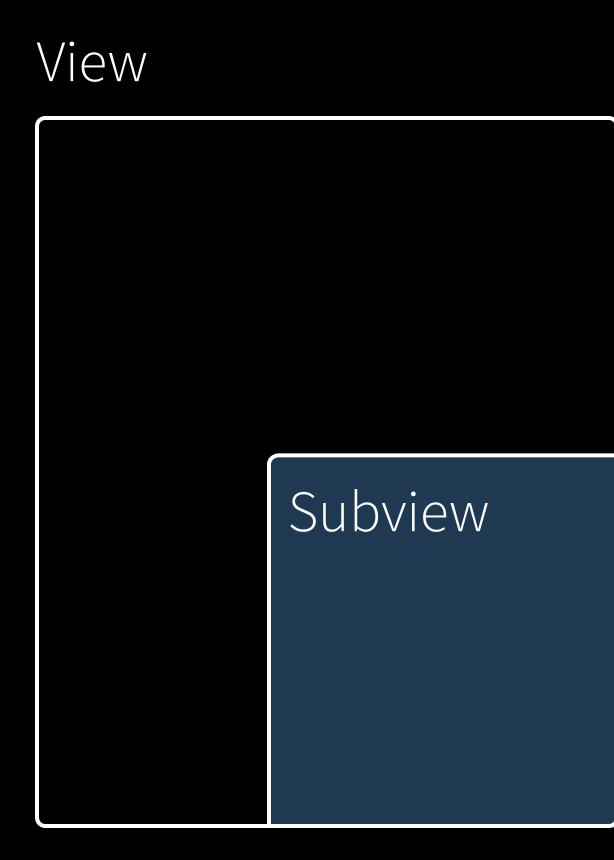


bounds: (450.0, 150.0) (350.0, 550.0)

CGRect

CGRectMake(x, y, width, height)

View Subview clipsToBounds = YES



Positioning

Auto Layout

Auto Layout

Springs & Auto
Struts Layout

Auto Layout

Hard-coded

Auto Layout

Hard-coded

Content-driven

Auto Layout

Hard-coded

Content-driven

Isolated Views

Auto
Layout

Hard-coded

Content-driven

Isolated Views

Related Views

Auto
Layout

Hard-coded

Content-driven

Isolated Views

Related Views

autoResizingMask

Auto Layout

Hard-coded

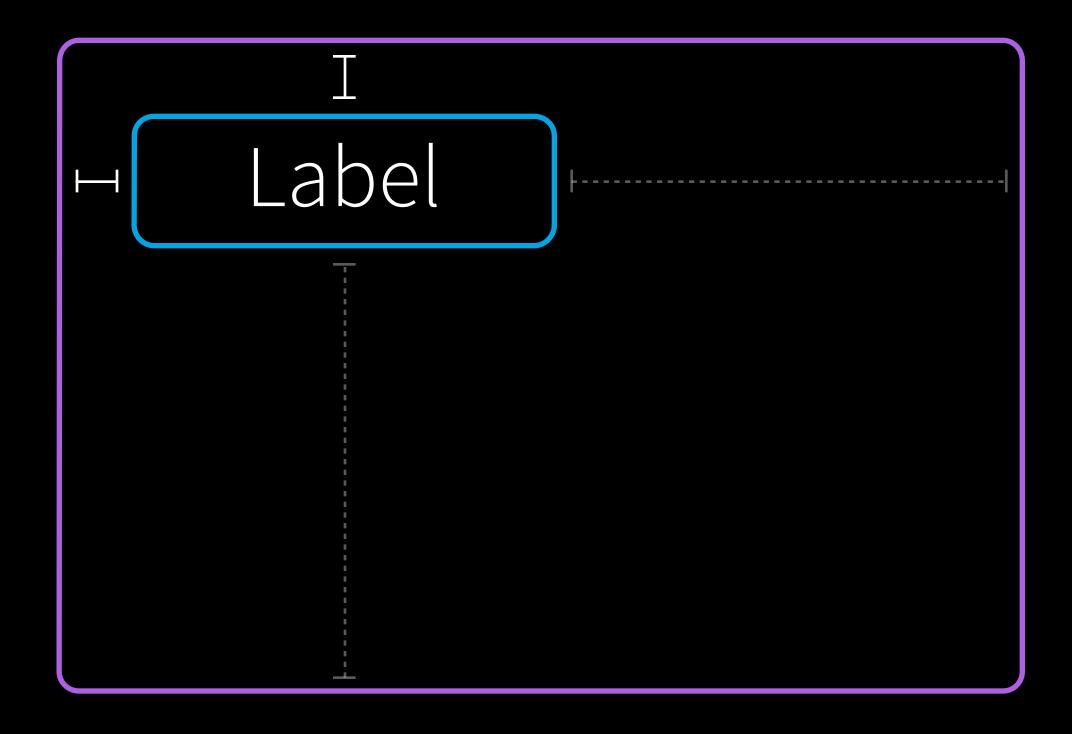
Content-driven

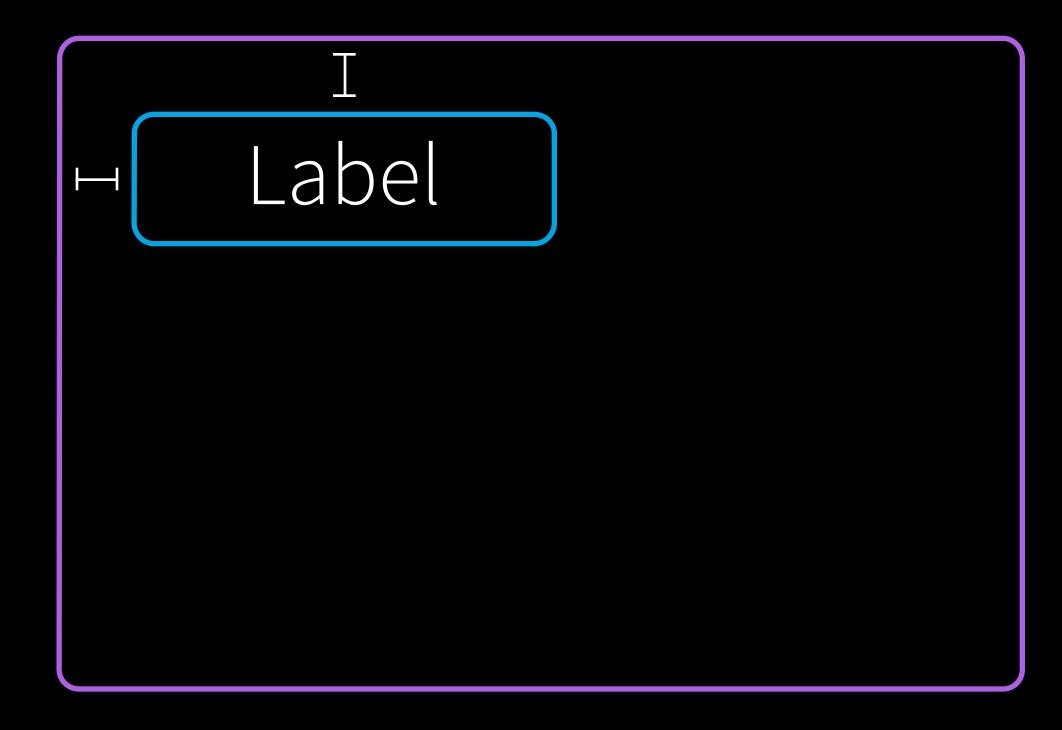
Isolated Views

Related Views

autoResizingMask

Constraints





attribute == attribute x multiplier + constant

attribute == attribute x multiplier + constant

top == top x multiplier + constant

top == top x multiplier + constant

top == top x 1.0 + constant

top == top + constant

top == top + standard

top == top + standard

left
==
left
+
standard

top
==
top
+
standard

Same behavior as Springs & Struts
No frame necessary



Right Width Height

Top Bottom Center X Center Y

Baseline None

Left

Leading Trailing

Left Right

Width Height

Top Bottom Center X Center Y

Baseline None

Unsatisfiability

Ambiguity

Intrinsic Content Size

Priorities

How to Specify Constraints

Interface Builder

NSLayoutConstraint

Visual Format Language

Interface Builder

NSLayoutConstraint

[NSLayoutConstraint constraintWithItem:view1

attribute: NSLayoutAttributeTop

relatedBy:NSLayoutRelationEqual

toItem:view2

attribute:NSLayoutAttributeTop

multiplier:1.0

constant:20.0];

[NSLayoutConstraint constraintWithItem:view1

attribute:NSLayoutAttributeTop

relatedBy: NSLayoutRelationEqual

toItem:view2

attribute:NSLayoutAttributeTop

multiplier:1.0

constant:20.0];

[NSLayoutConstraint constraintWithItem:view1

attribute:NSLayoutAttributeTop

relatedBy:NSLayoutRelationEqual

toItem:view2

attribute: NSLayoutAttributeTop

multiplier:1.0

constant:20.0];

Visual Format Language

[label] - [textField]

-[label]-

V: [-(40)-[logo]

UIAppearance