

# Building User Interfaces for iOS 7

Session 201

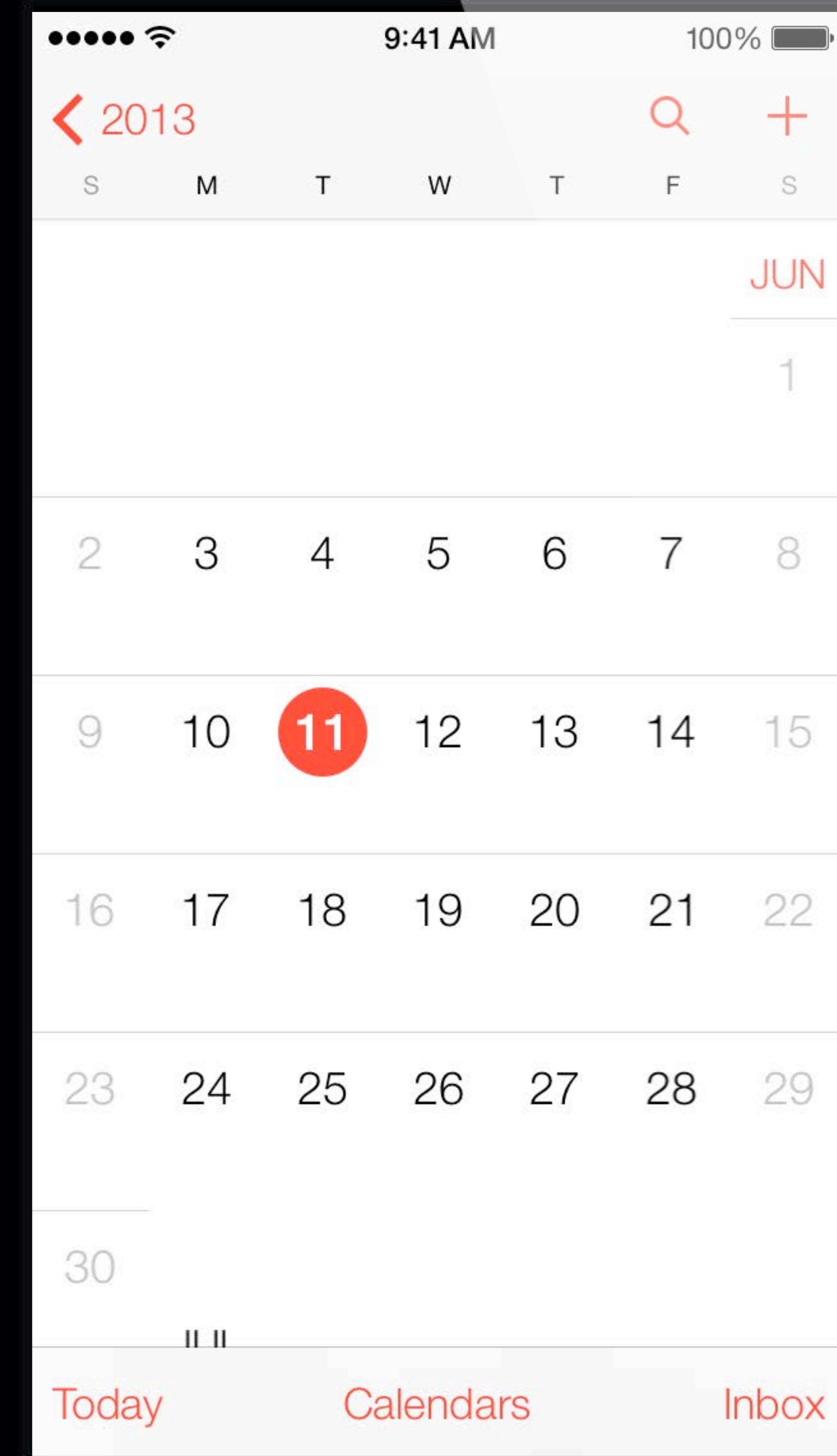
**Jason Beaver and Andy Matuschak**  
iOS Apps and Frameworks

These are confidential sessions—please refrain from streaming, blogging, or taking pictures

# Design Themes

# Design Themes

## Clarity



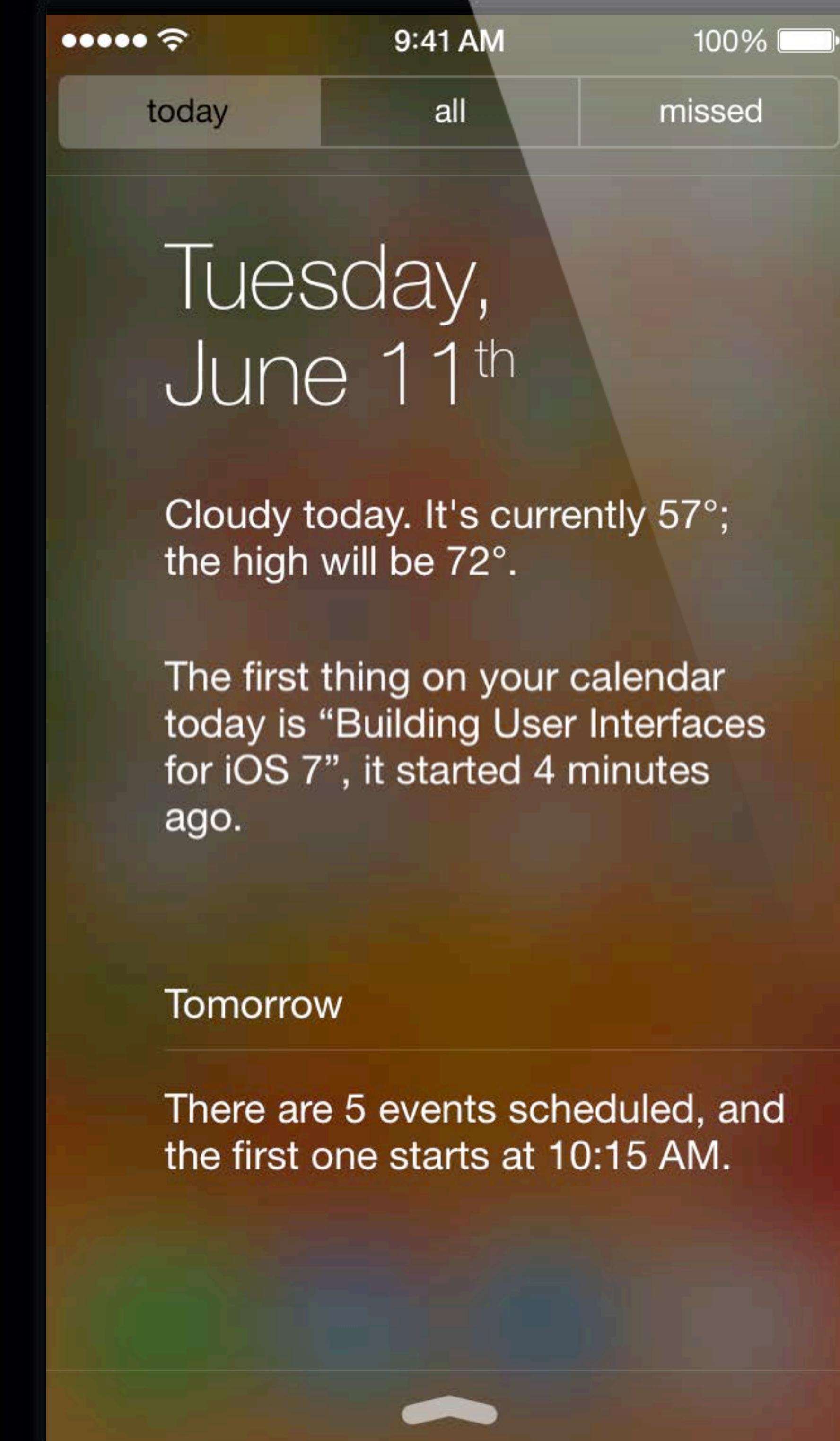
# Design Themes

## Deference



# Design Themes

## Depth





CRYPTOGRAPHY

The image shows the word "CRYPTOGRAPHY" constructed from individual wooden letter blocks. The letters are arranged in two rows: "CRYPTO" on top and "GRAPHY" on the bottom. The blocks have a distinct wood grain texture and vary in color from light tan to dark brown, with some showing signs of wear and discoloration. The lighting is warm and focused on the letters, creating soft shadows and highlights that emphasize their three-dimensional form and the natural material of the wood.

# Dynamic Type

# Dynamic Type

- Specifies fonts semantically

# Dynamic Type

- Specifies fonts semantically
- Supports user text sizing

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- Specifies fonts semantically
- Supports user text sizing
- Optimized for legibility

# Dynamic Type

- Specifies fonts semantically
- Supports user text sizing
- Optimized for legibility
- Supports accessibility sizes and enhancements

# Dynamic Type

Lorem ipsum

# Dynamic Type

Lorem ipsum

# Dynamic Type

# **Lorem ipsum**

# **Lorem ipsum**

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Lorem ipsum

**Lorem ipsum**

# Dynamic Type

# **Lorem ipsum**

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# **Lorem ipsum**

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# Dynamic Type

## Text Styles

# Dynamic Type

## Text Styles

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Styles

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Styles

Headline 1

`UIFontTextStyleHeadline1`

Headline 2

`UIFontTextStyleHeadline2`

Subheadline 1

`UIFontTextStyleSubheadline1`

Subheadline 2

`UIFontTextStyleSubheadline2`

Body

`UIFontTextStyleBody`

Footnote

`UIFontTextStyleFootnote`

Caption 1

`UIFontTextStyleCaption1`

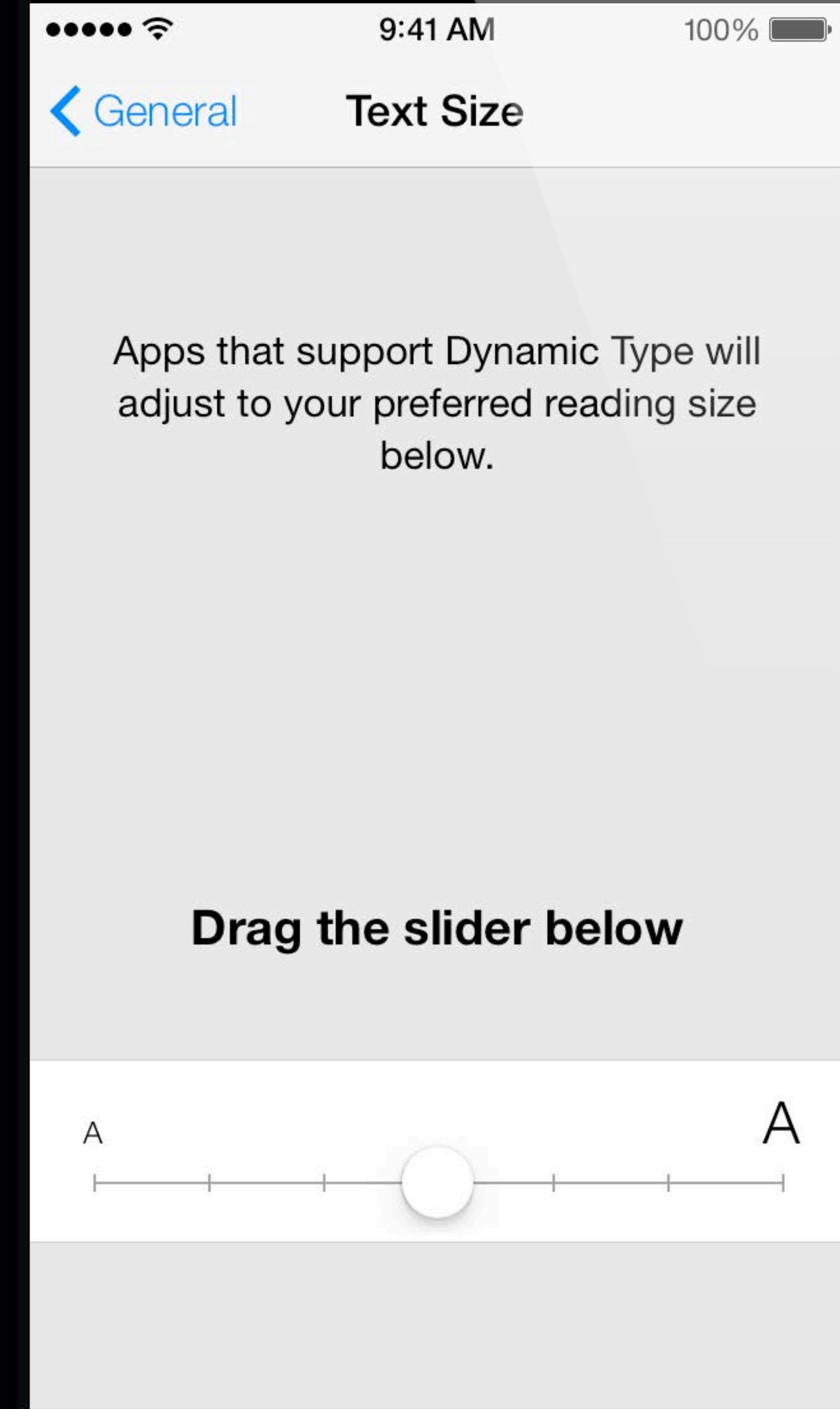
Caption 2

`UIFontTextStyleCaption2`

`+[UIFont preferredFontForTextStyle:]`

# Dynamic Type

## Text Sizes



# Dynamic Type

## Text Sizes

L

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Sizes

XS

S

M

L

XL

XXL

XXXL

Headline Headline Headline Headline Headline Headline Headline Headline

Headline Headline Headline Headline Headline Headline Headline Headline

Subhead Subhead Subhead Subhead Subhead Subhead Subhead Subhead

Subhead Subhead Subhead Subhead Subhead Subhead Subhead Subhead

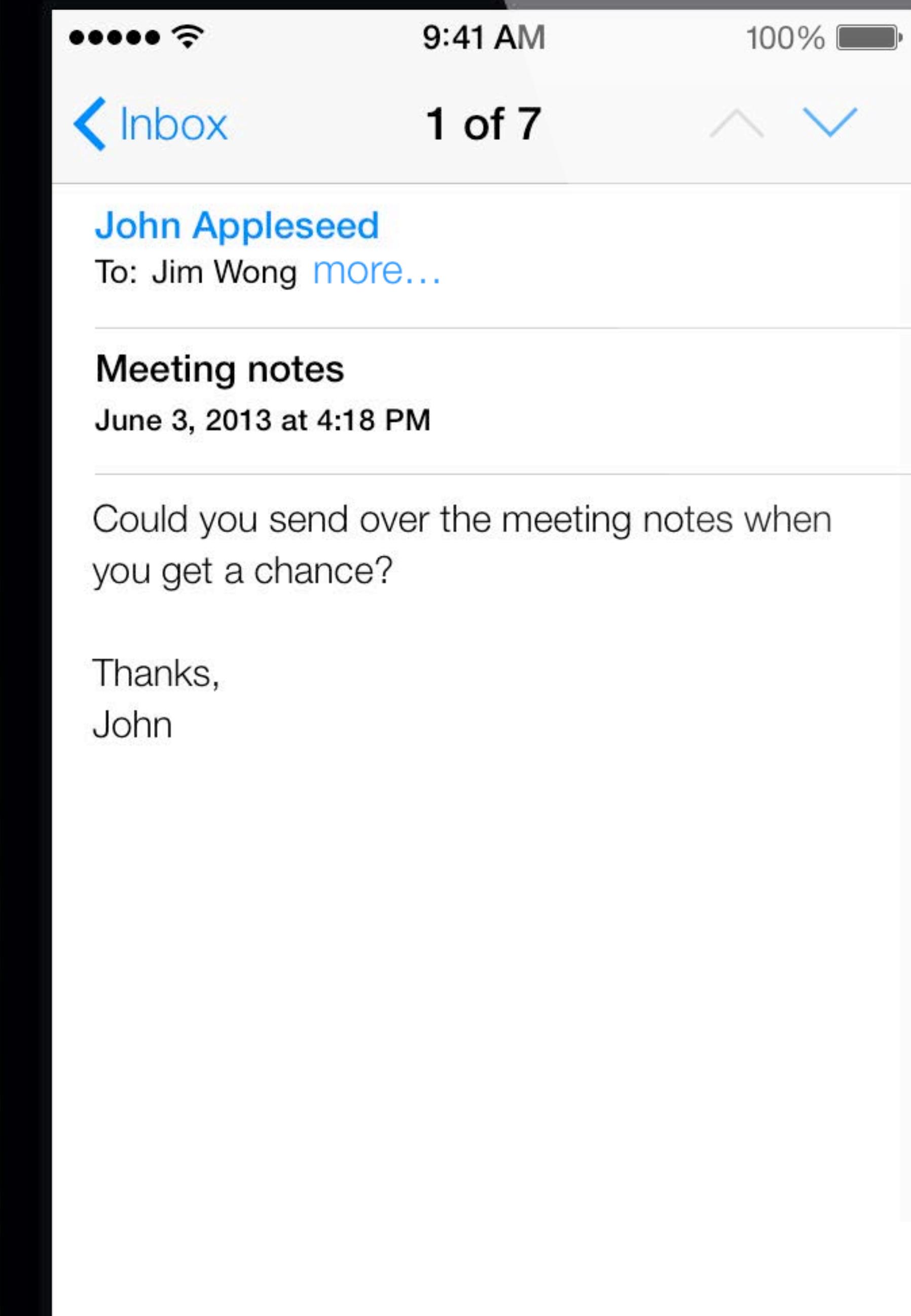
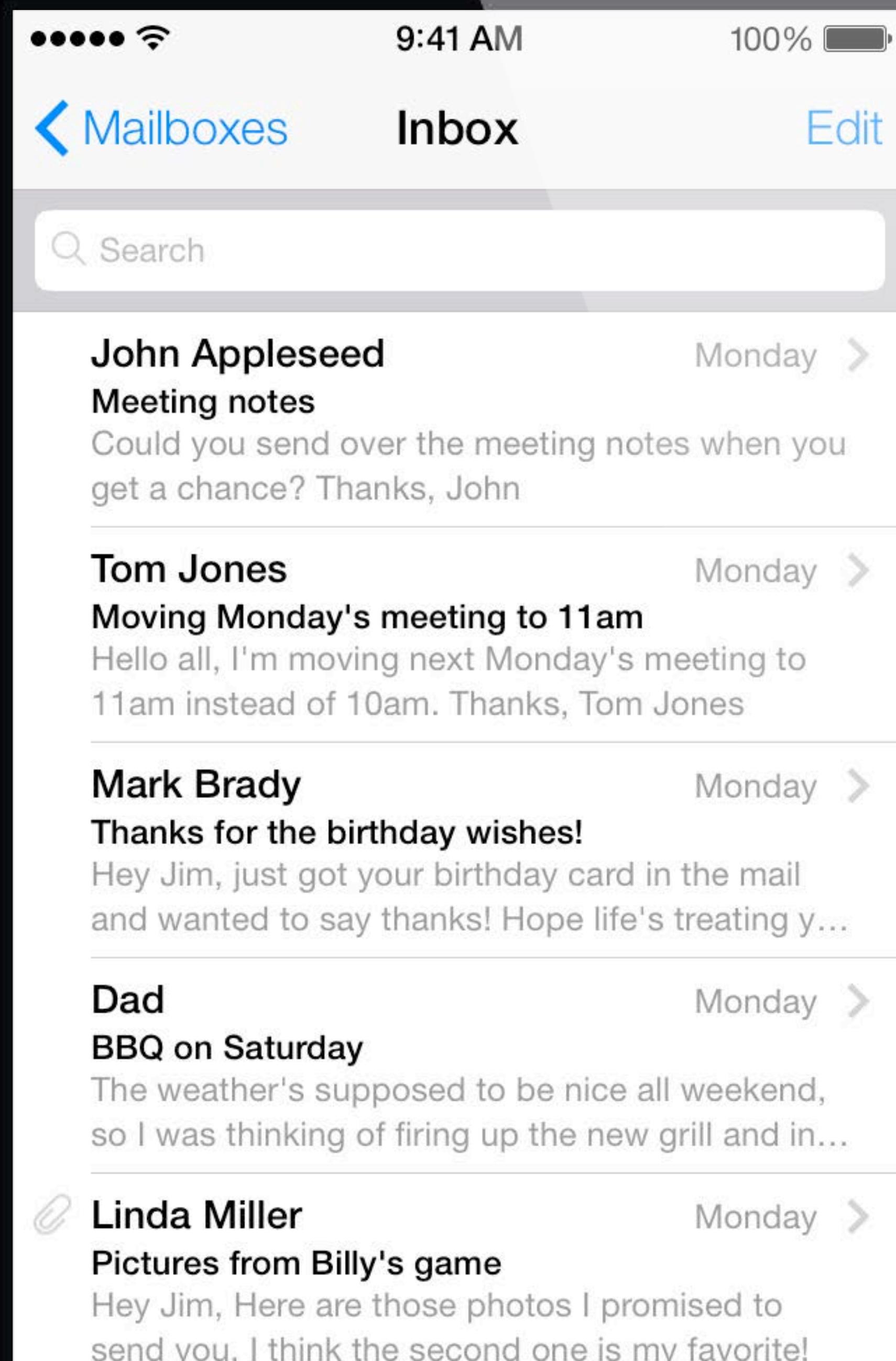
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Footnote Footnote Footnote Footnote Footnote Footnote Footnote

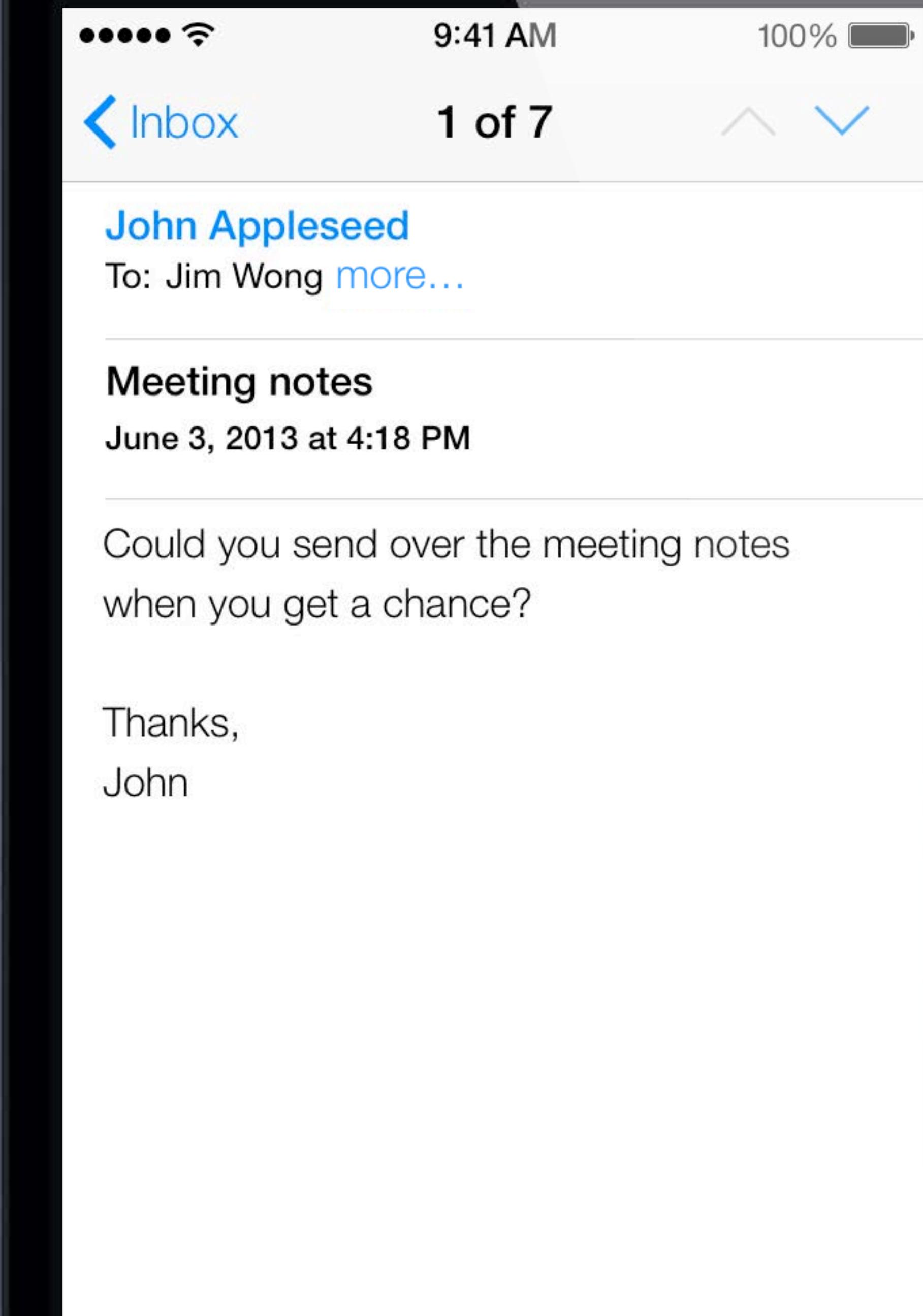
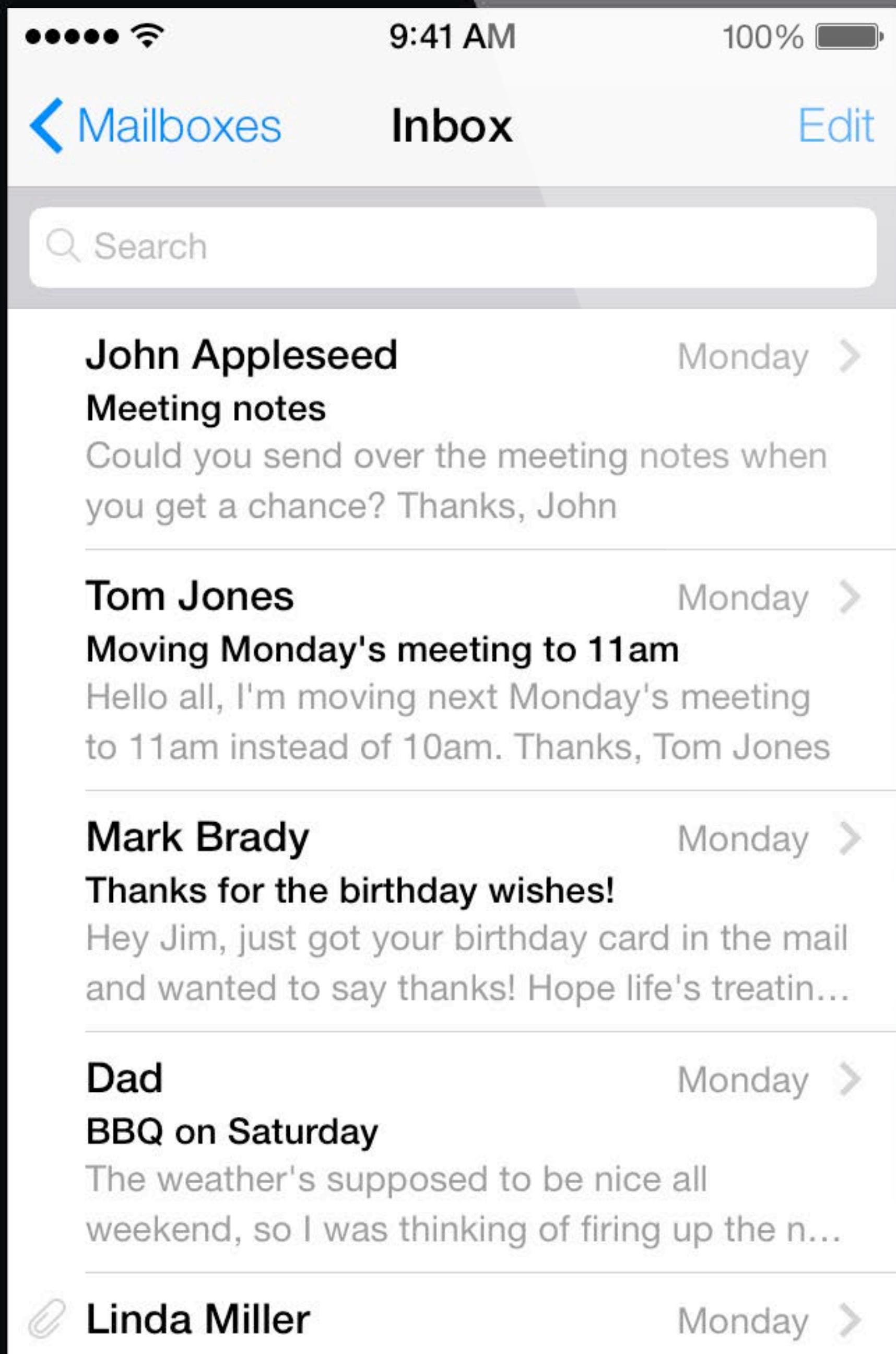
Caption 1 Caption 1 Caption 1 Caption 1 Caption 1 Caption 1

Caption 2 Caption 2 Caption 2 Caption 2 Caption 2 Caption 2

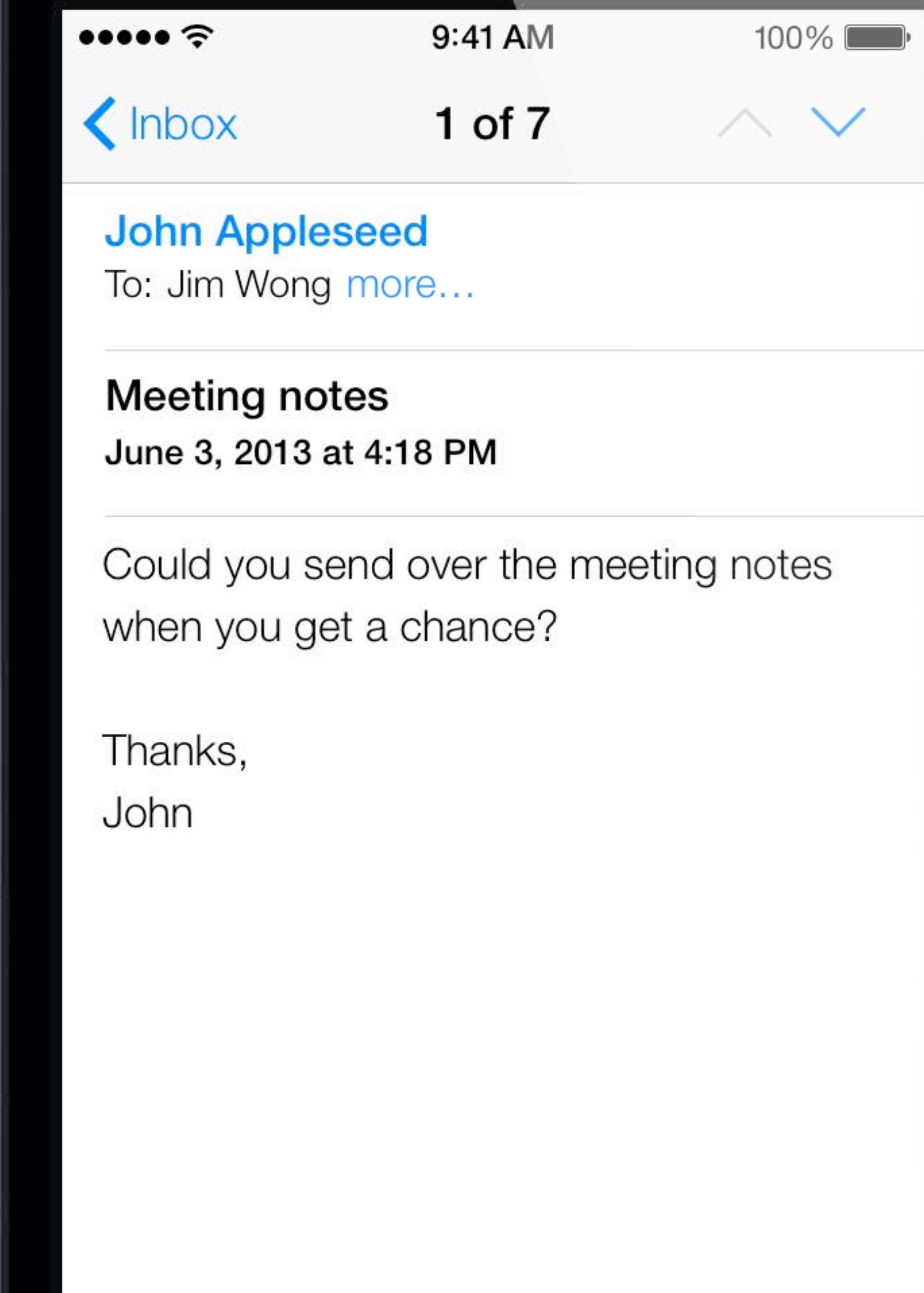
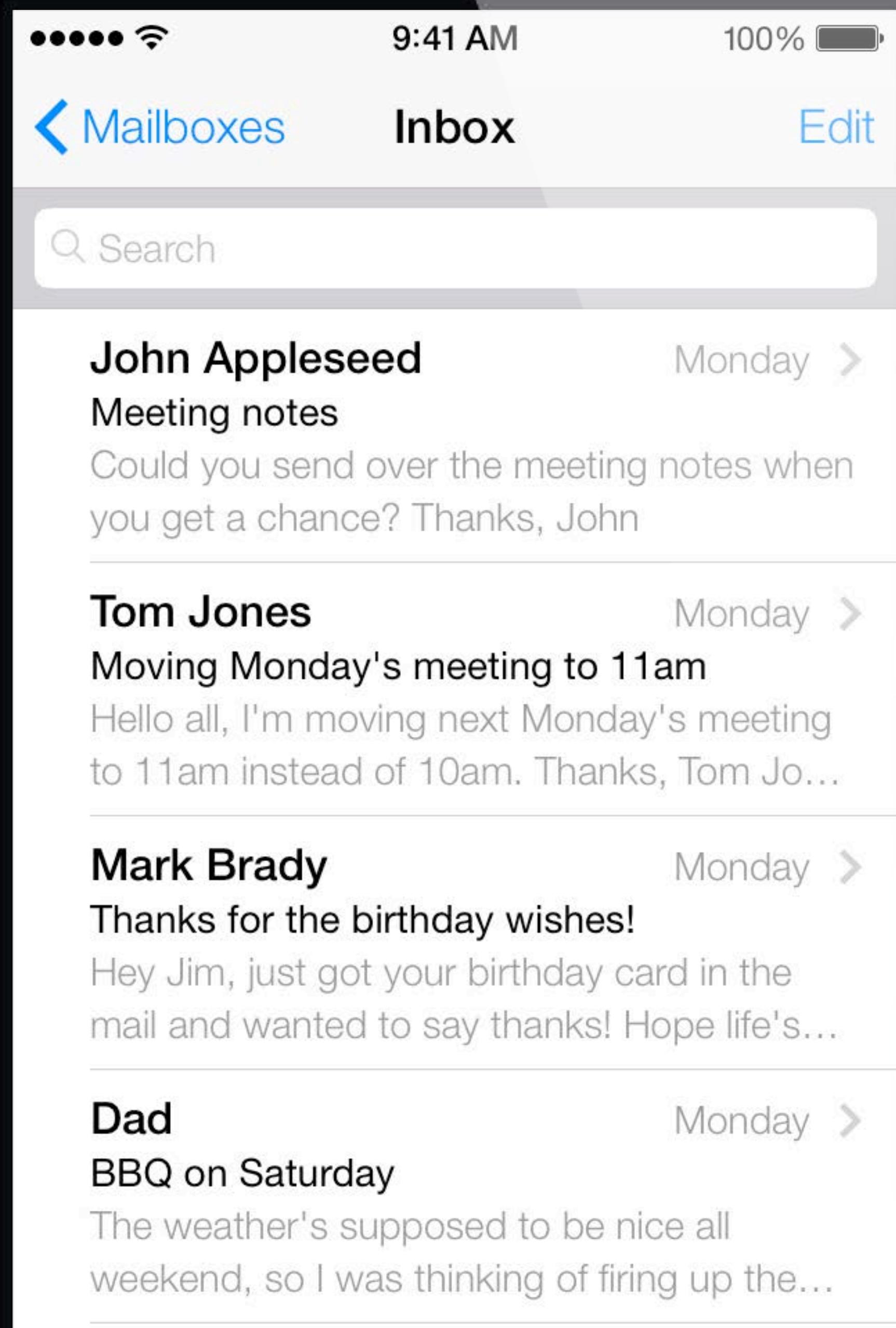
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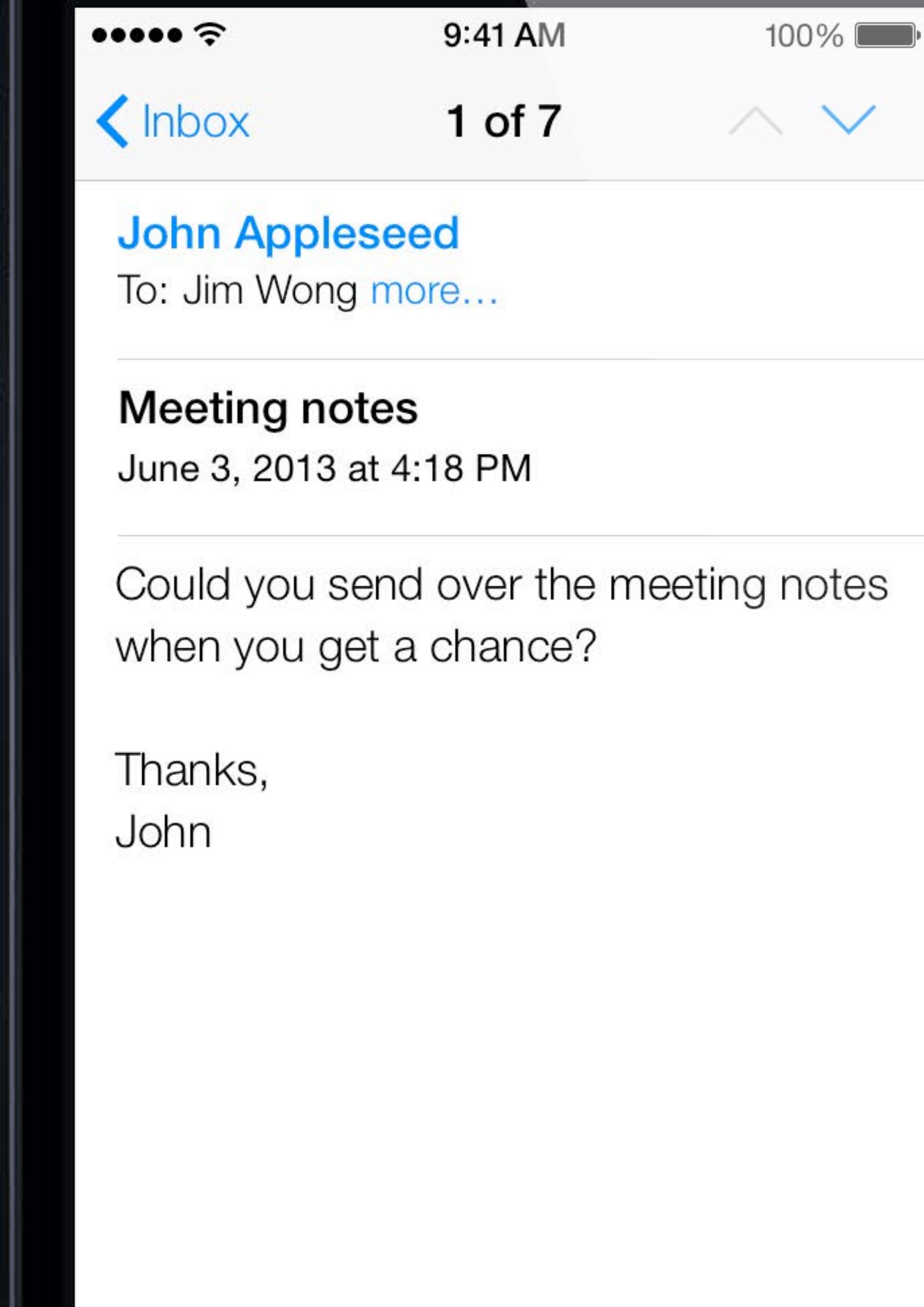
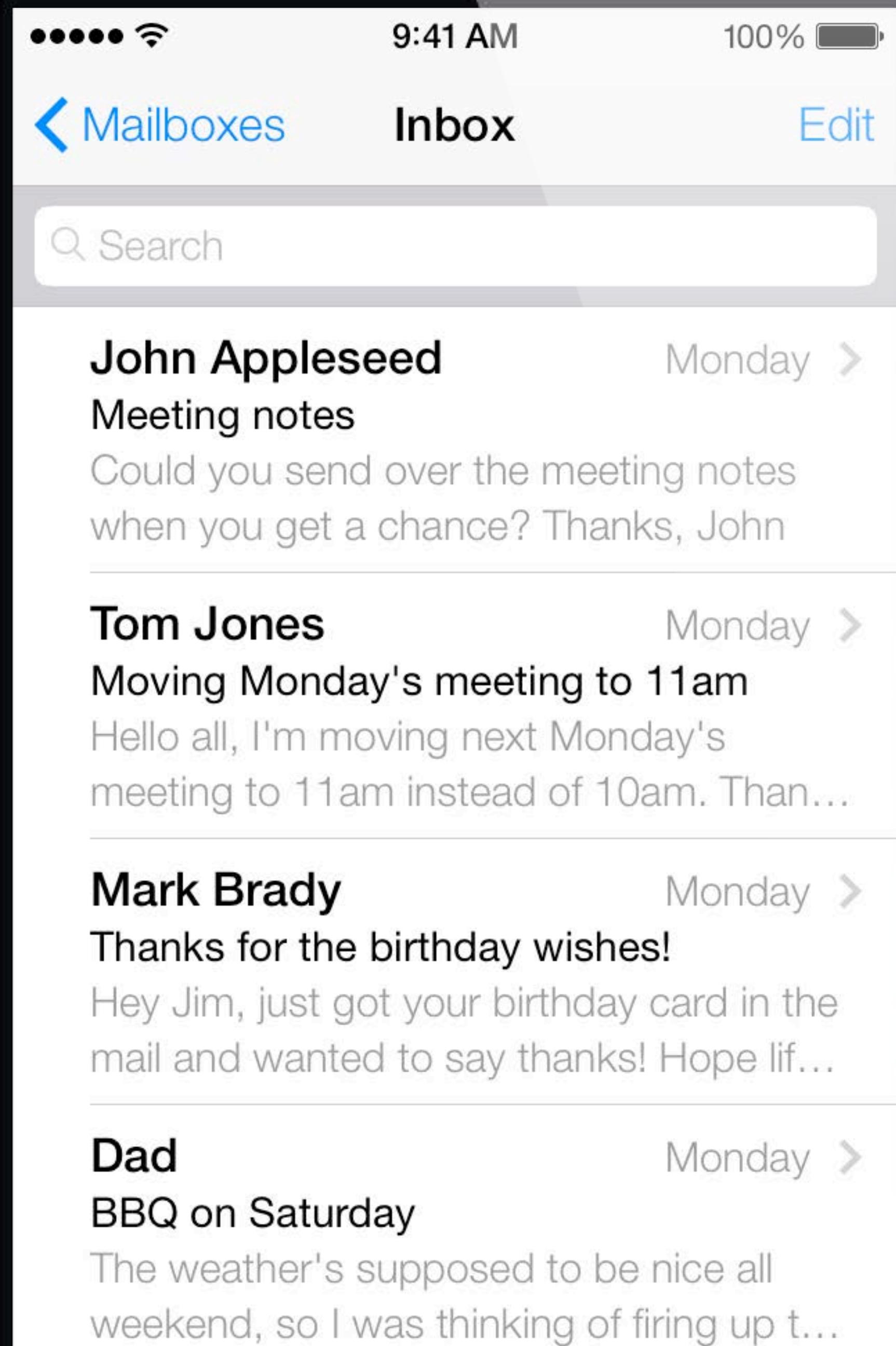
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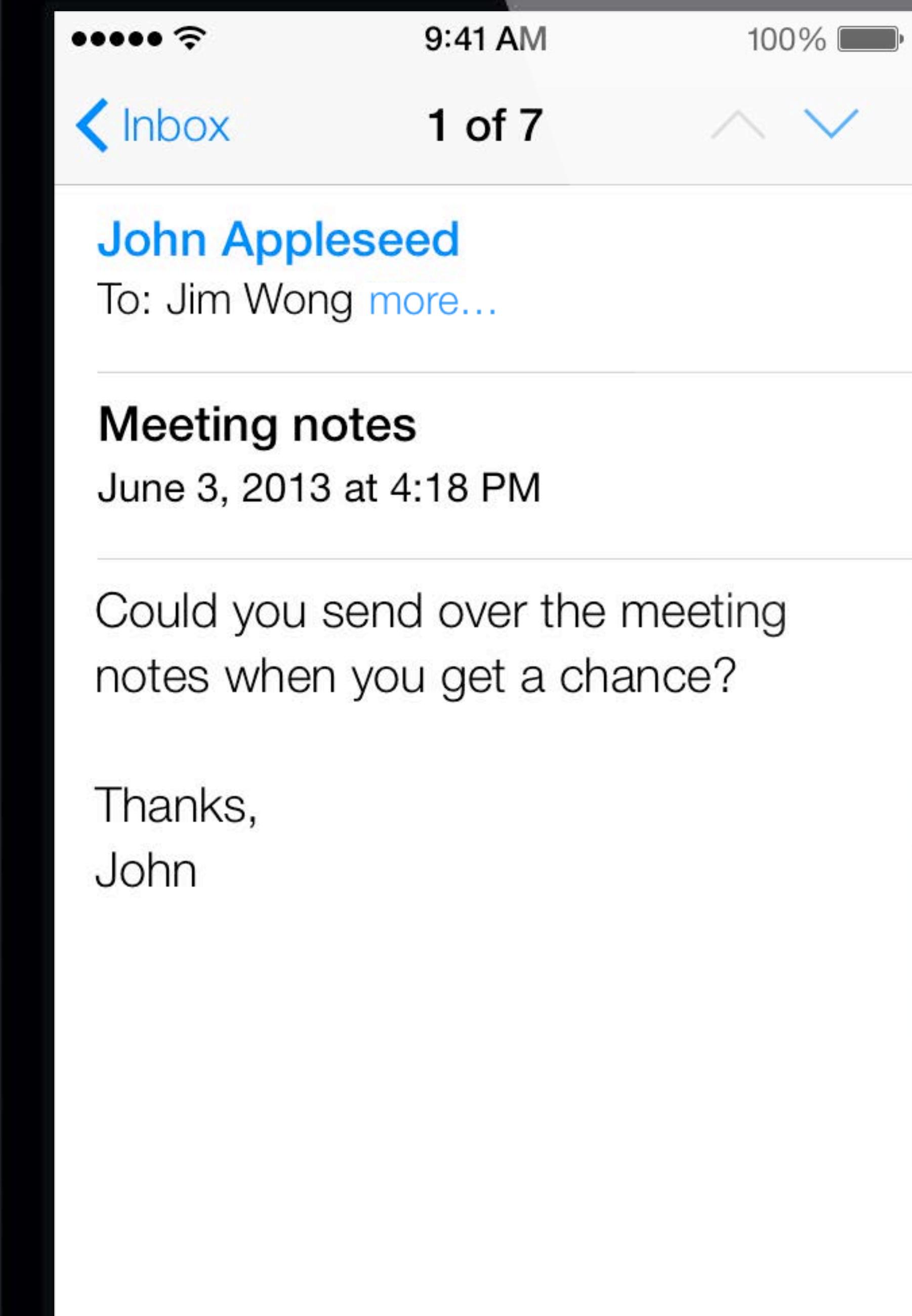
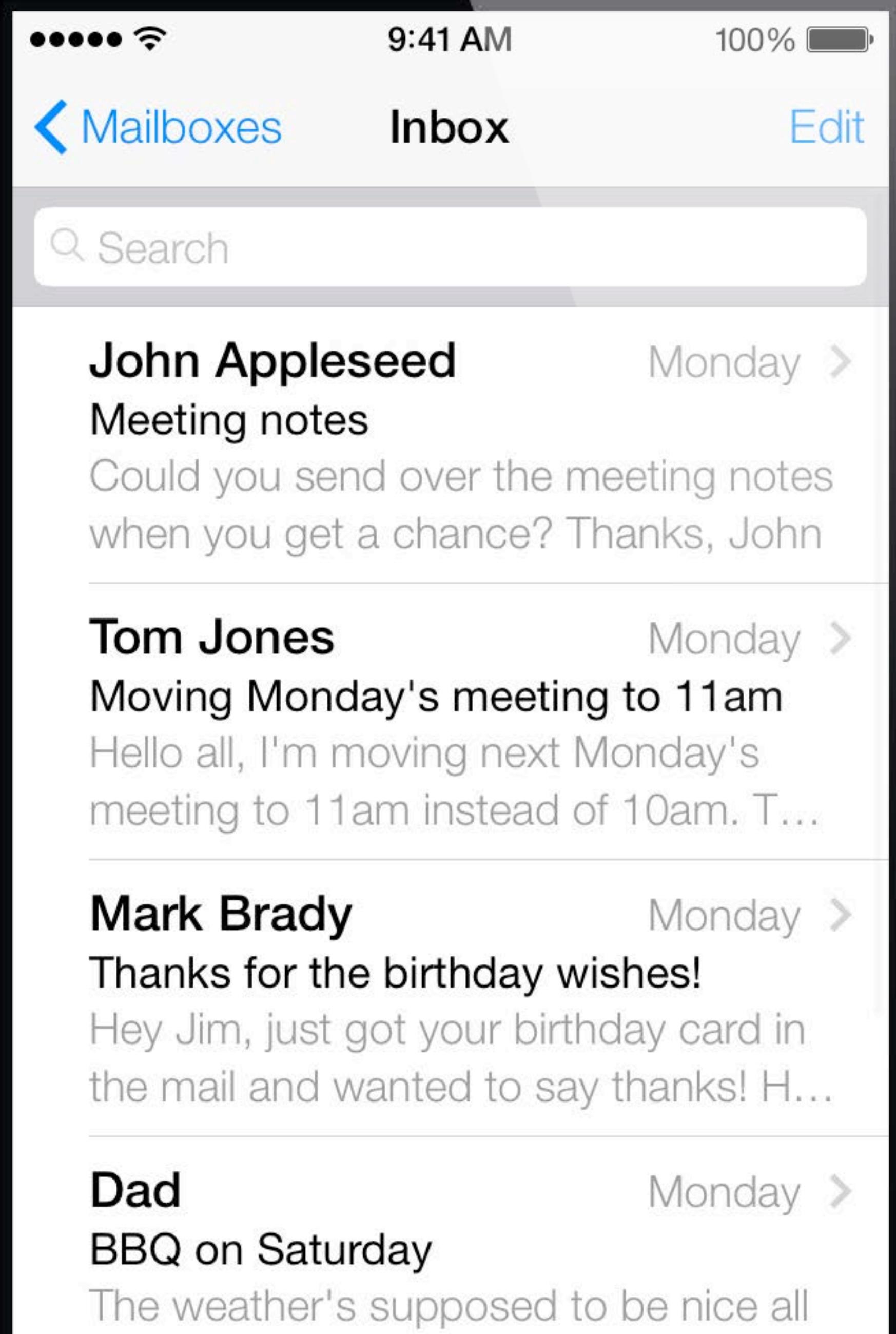
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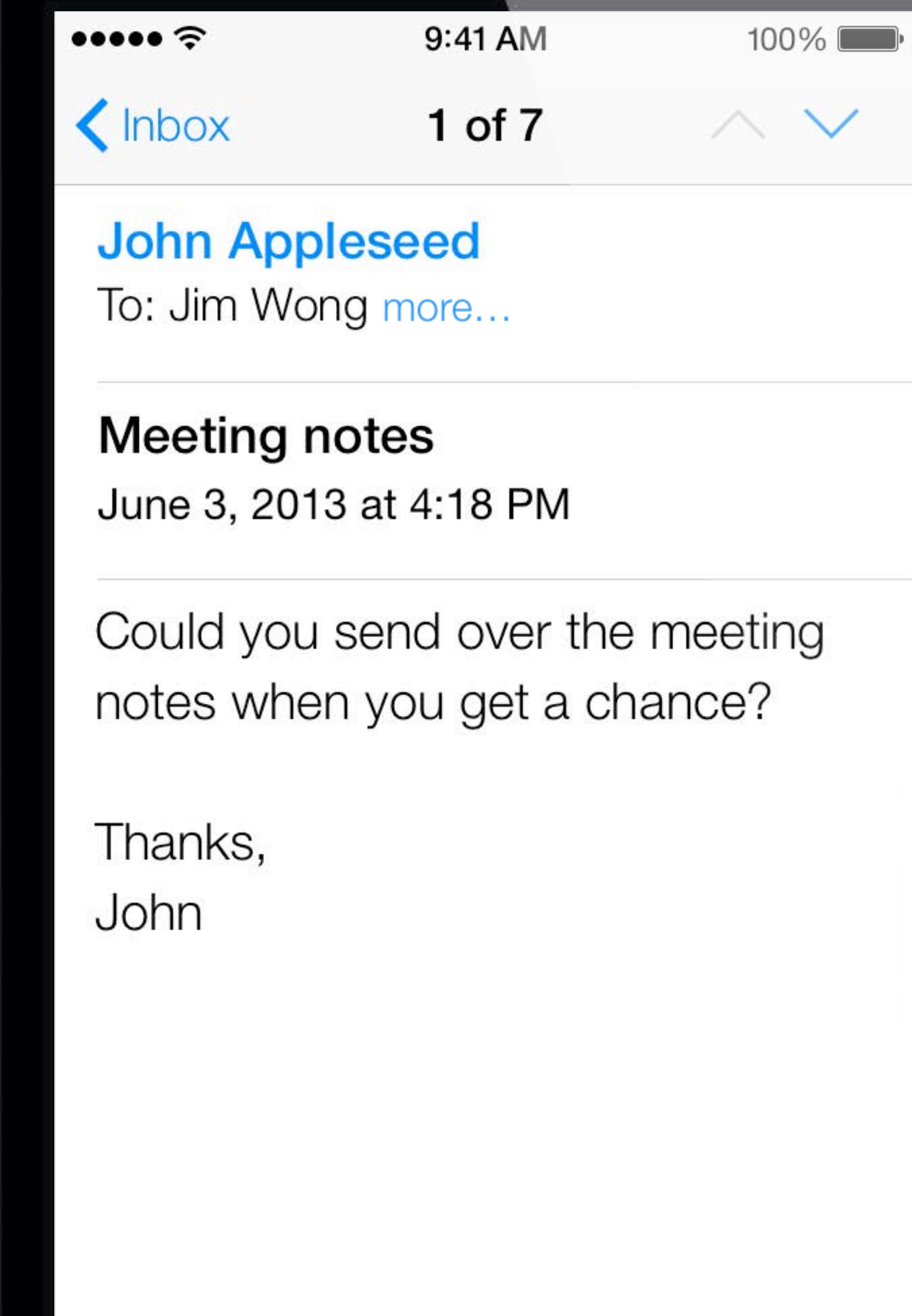
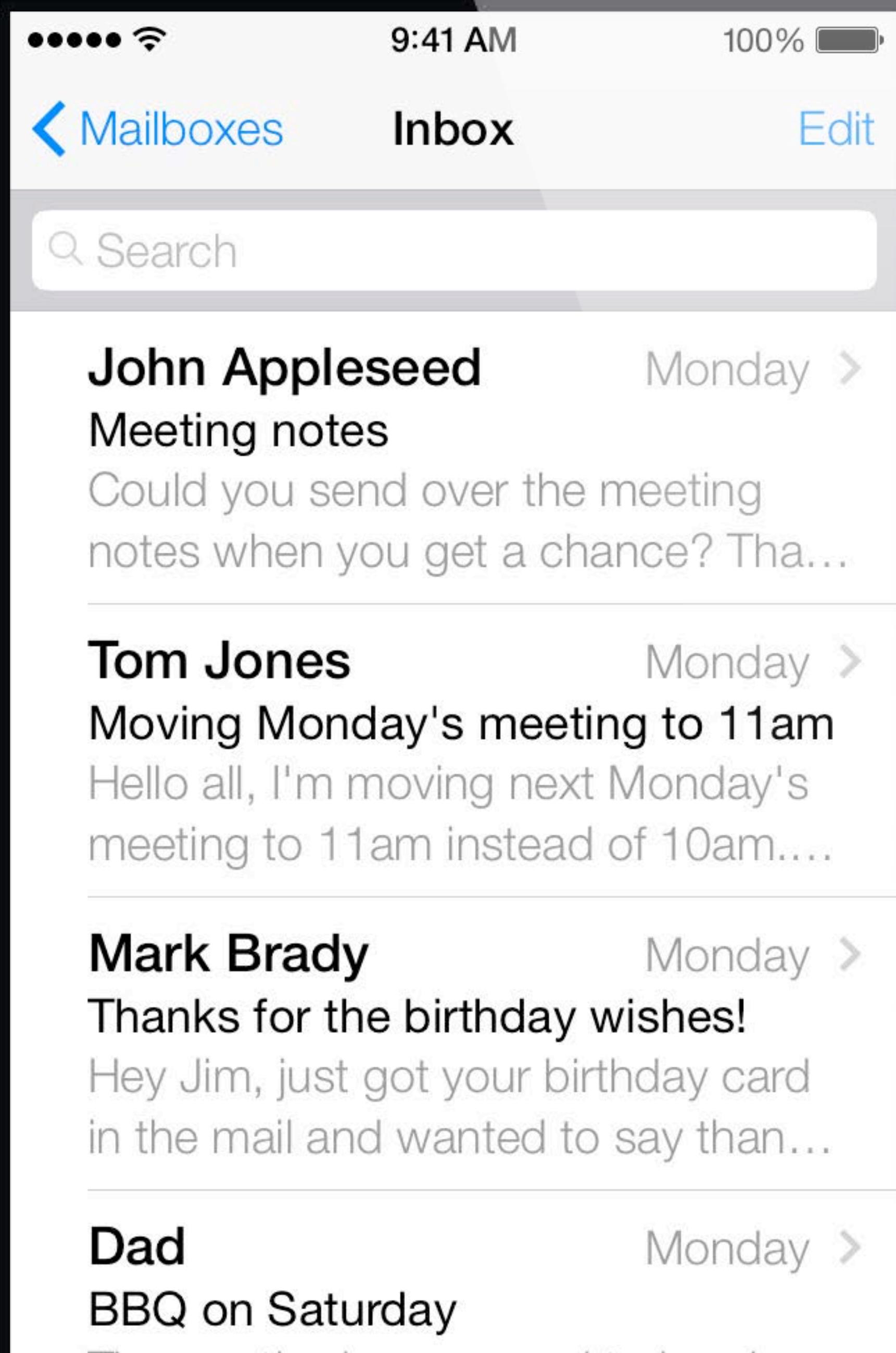
# Large



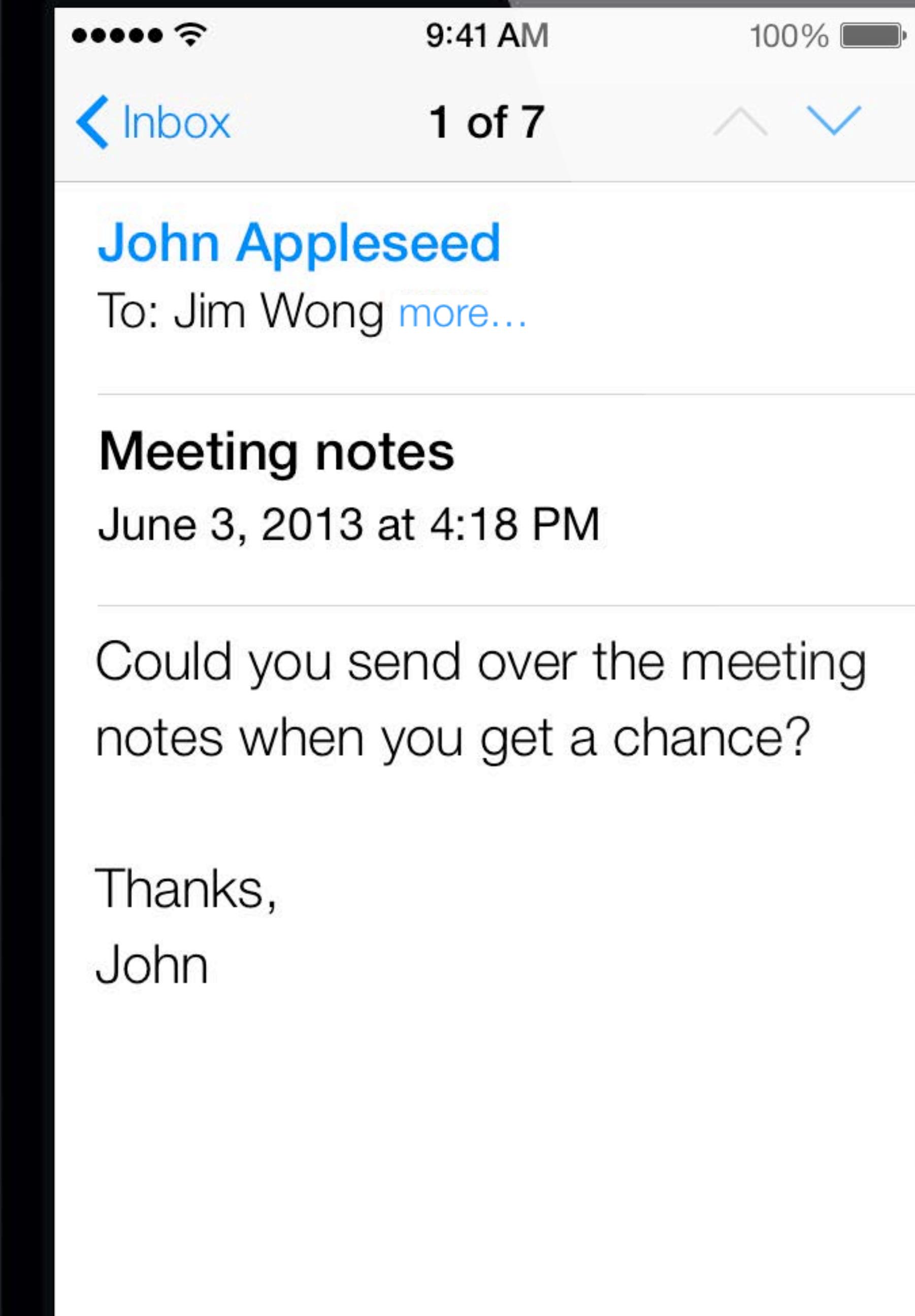
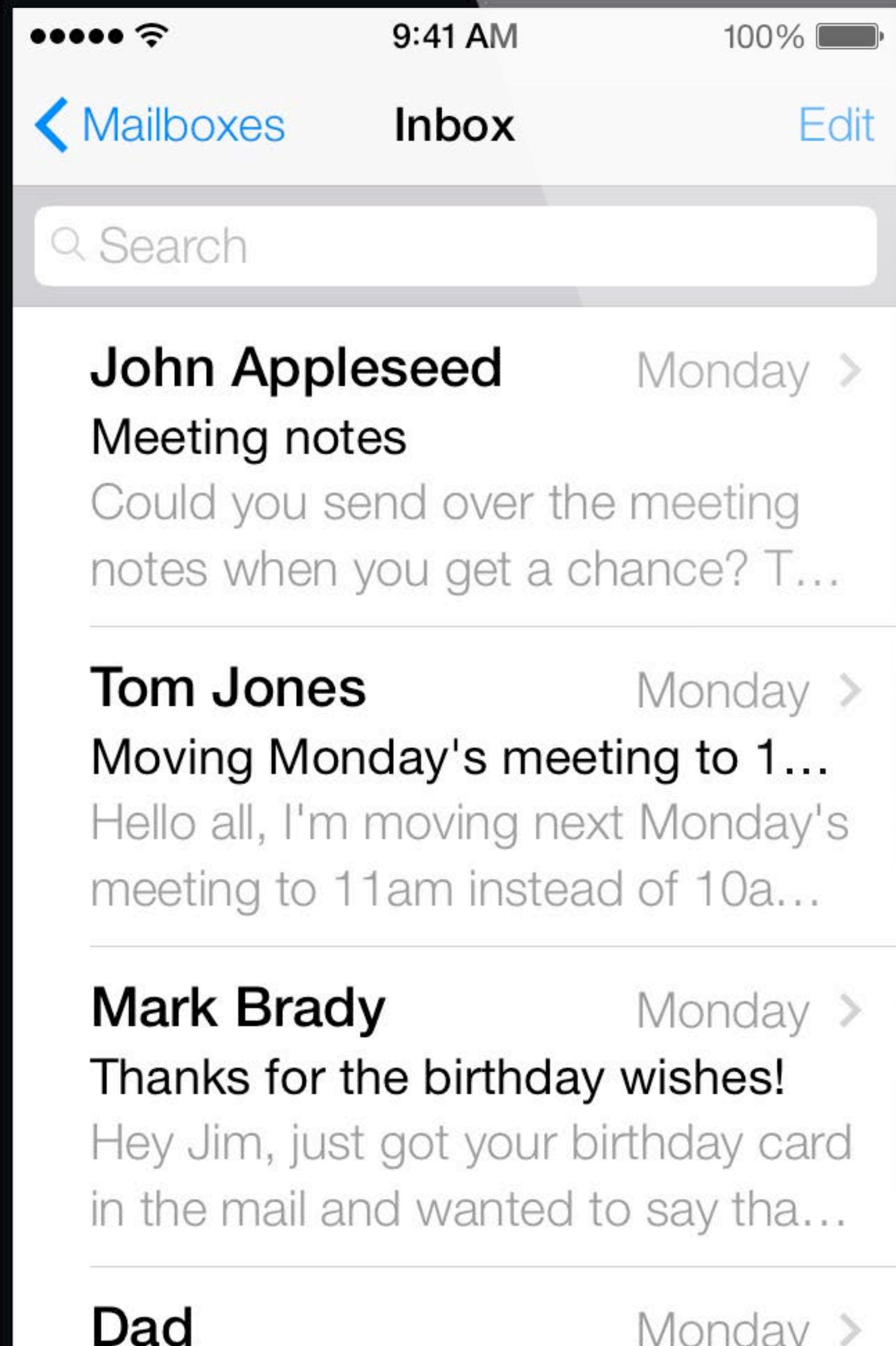
# Extra Large



# Extra Extra Large

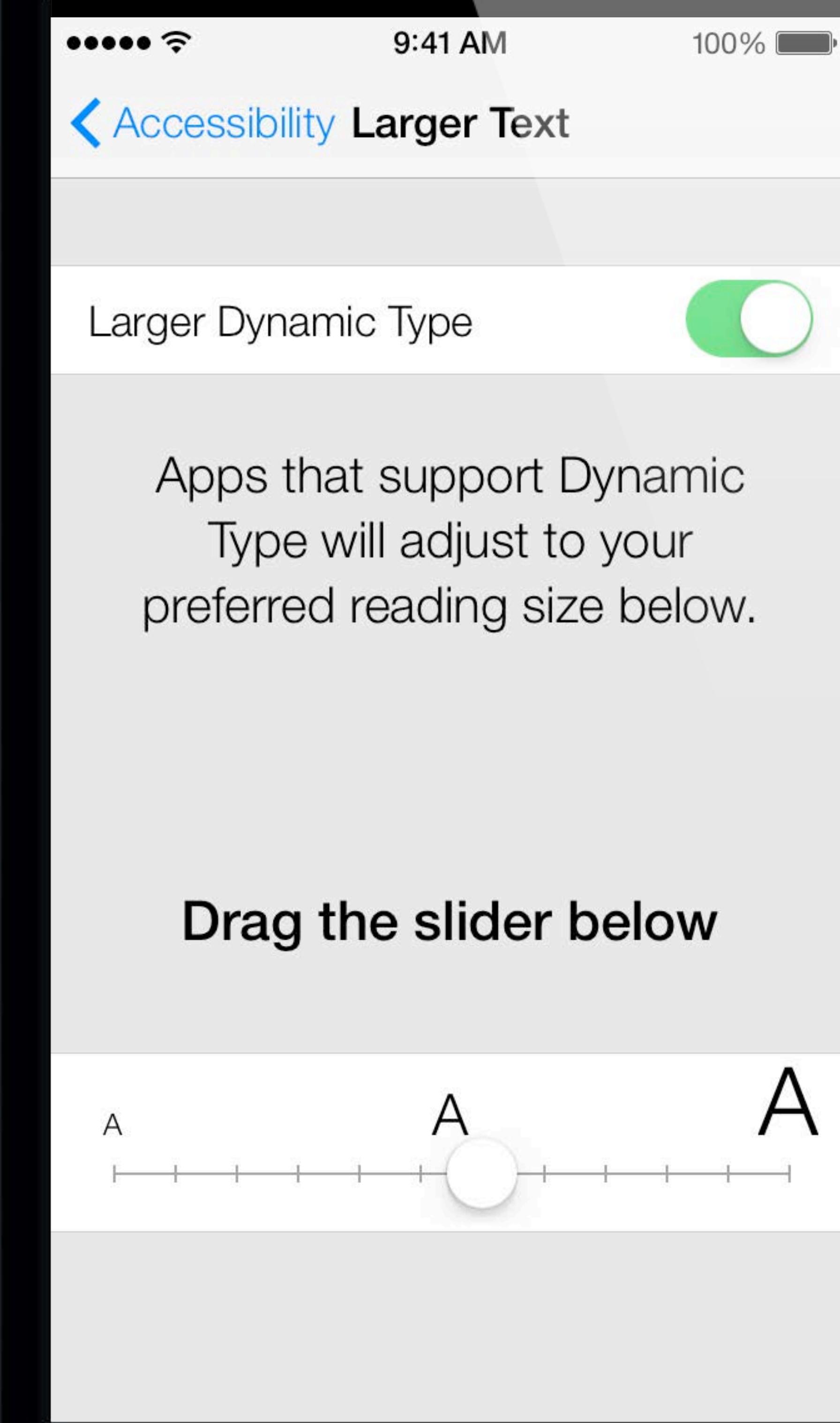


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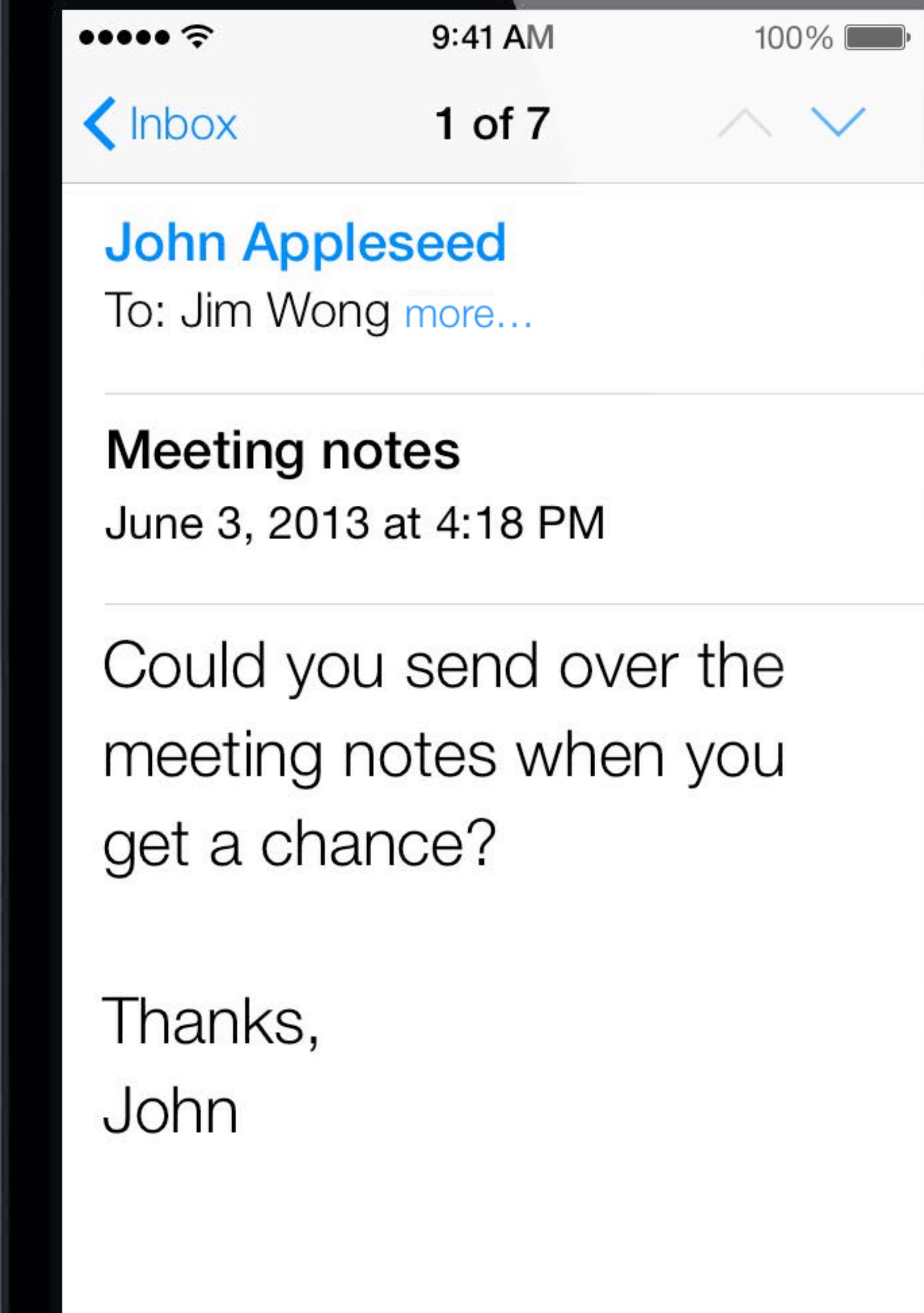
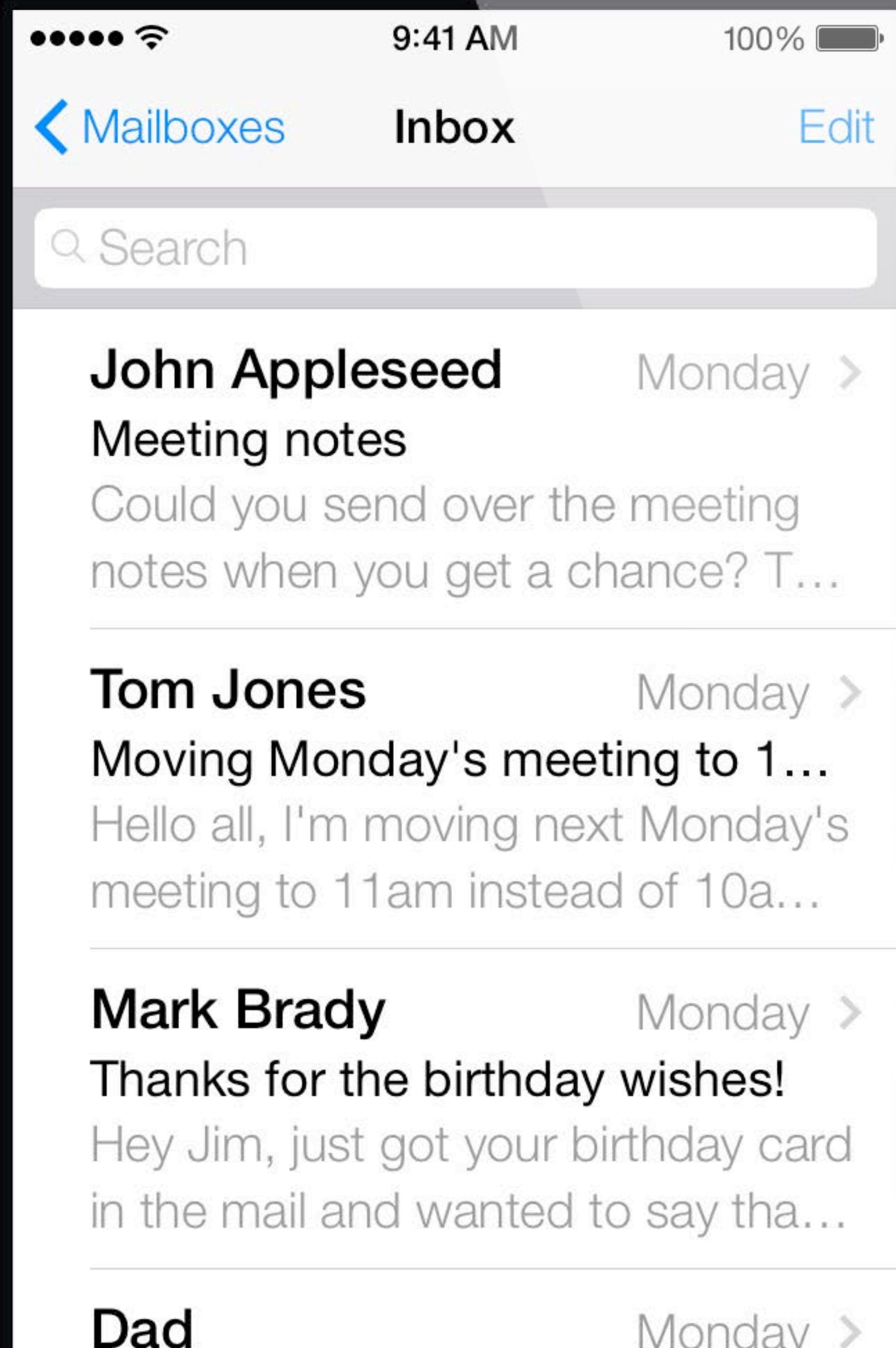


# Dynamic Type

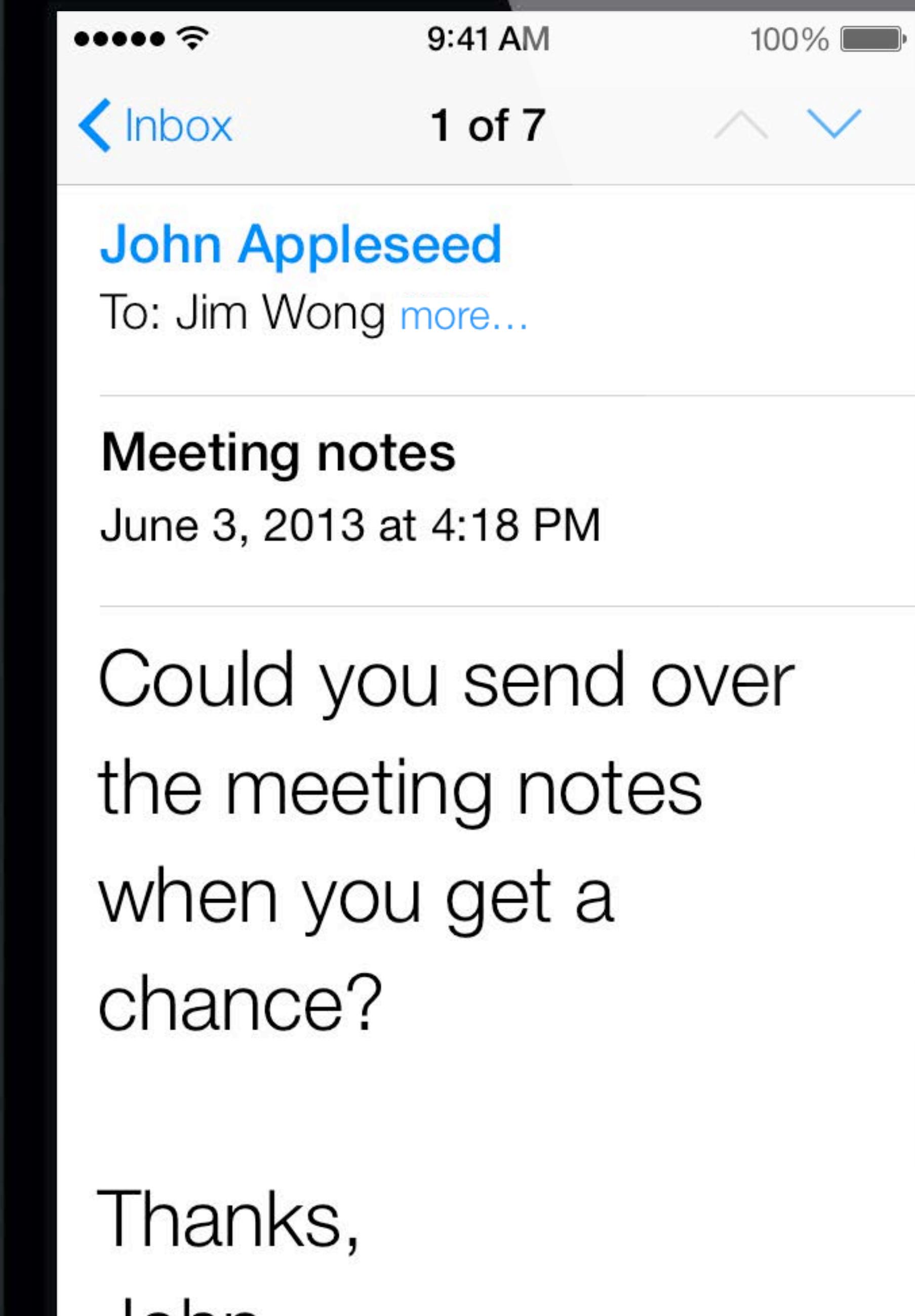
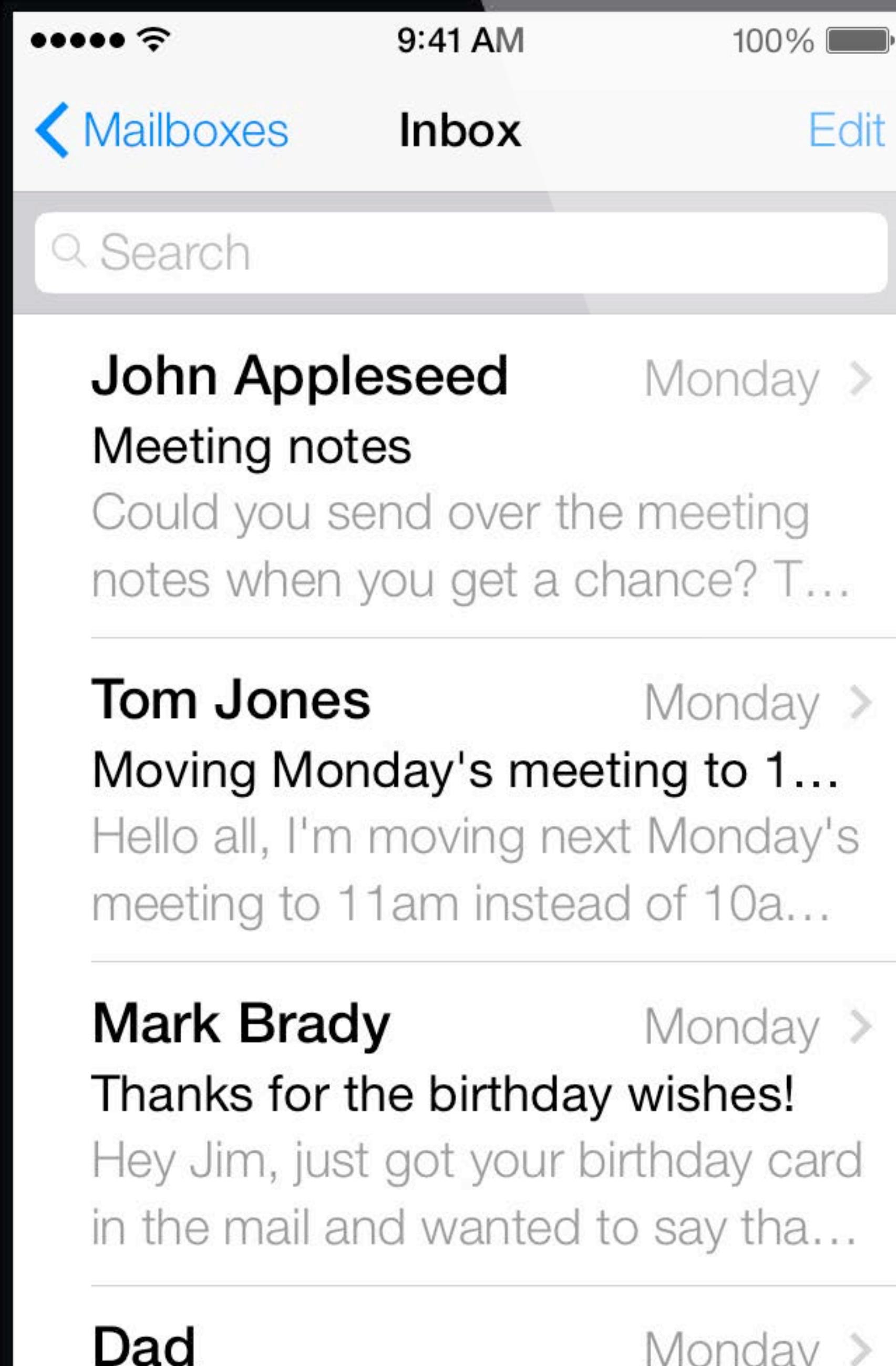
## Accessibility Text Sizes



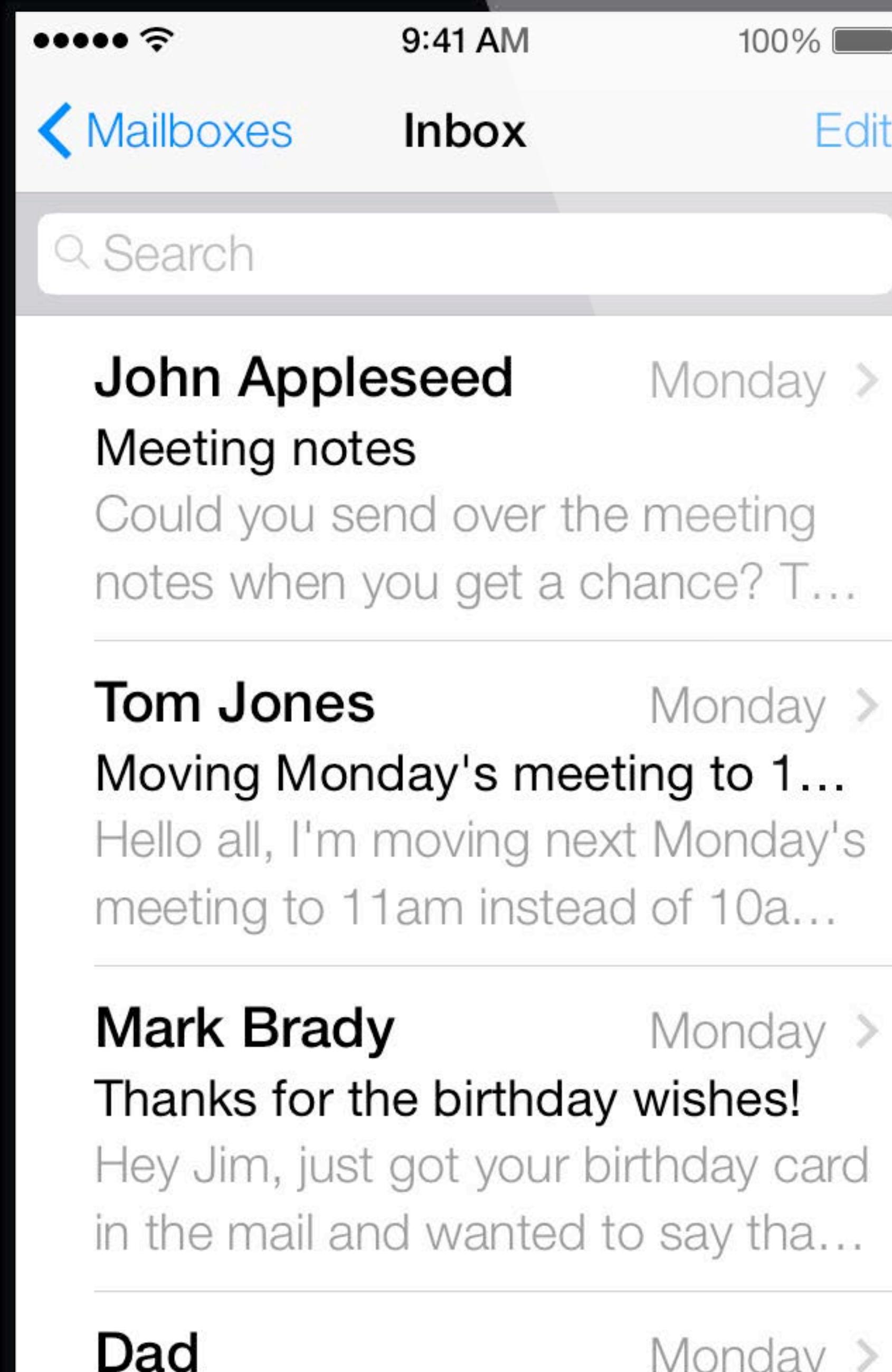
# Accessibility Medium



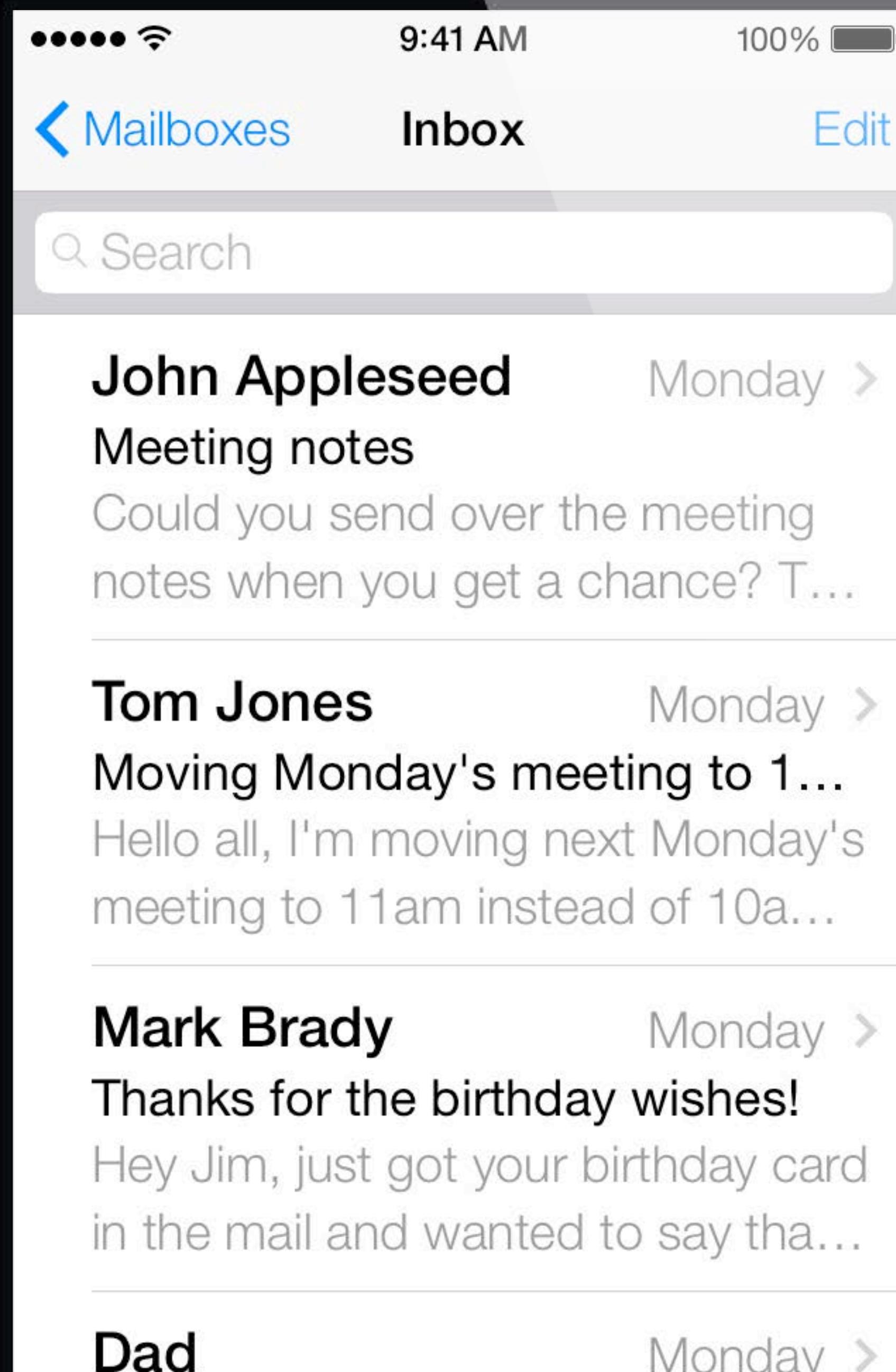
# Accessibility Large



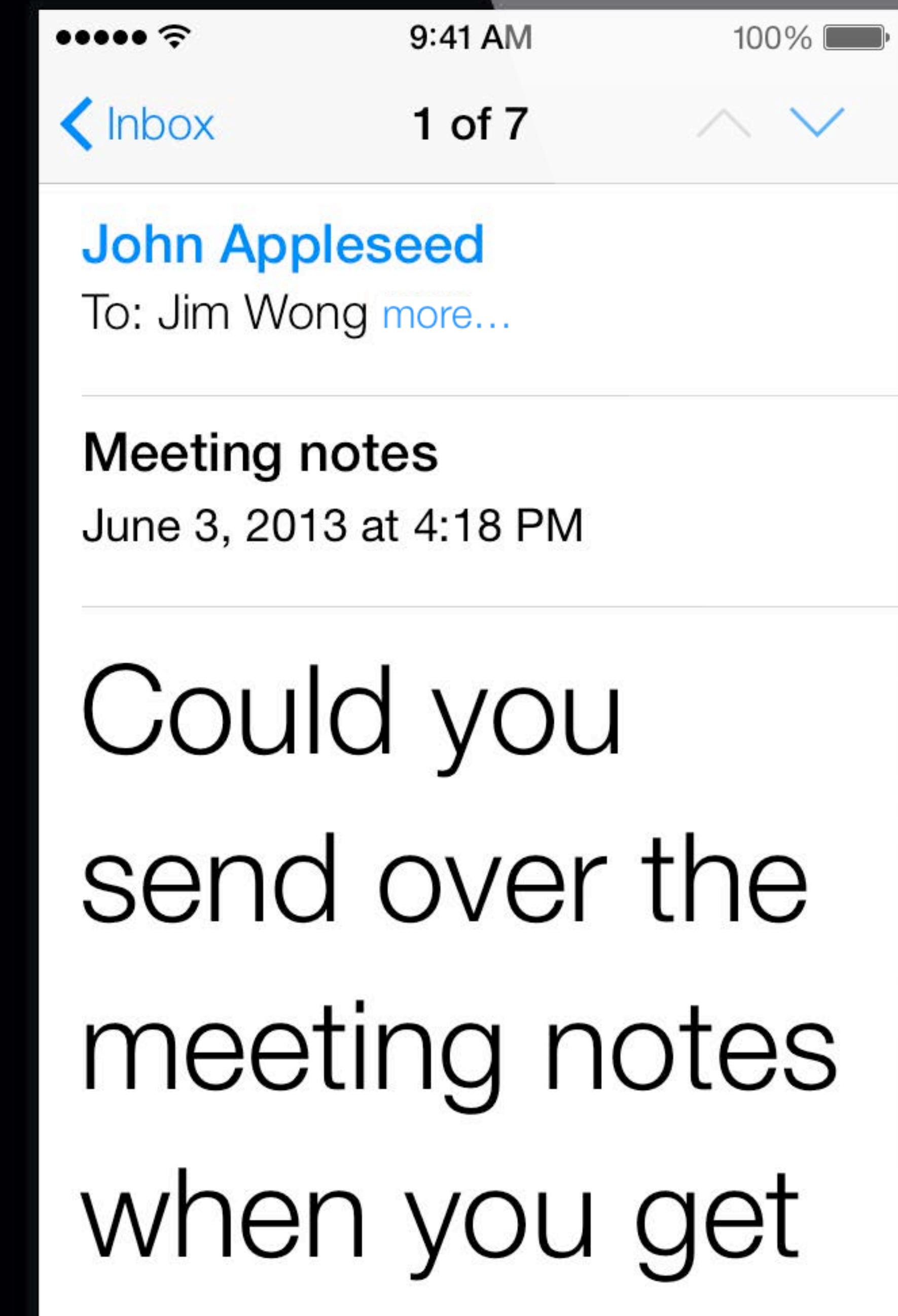
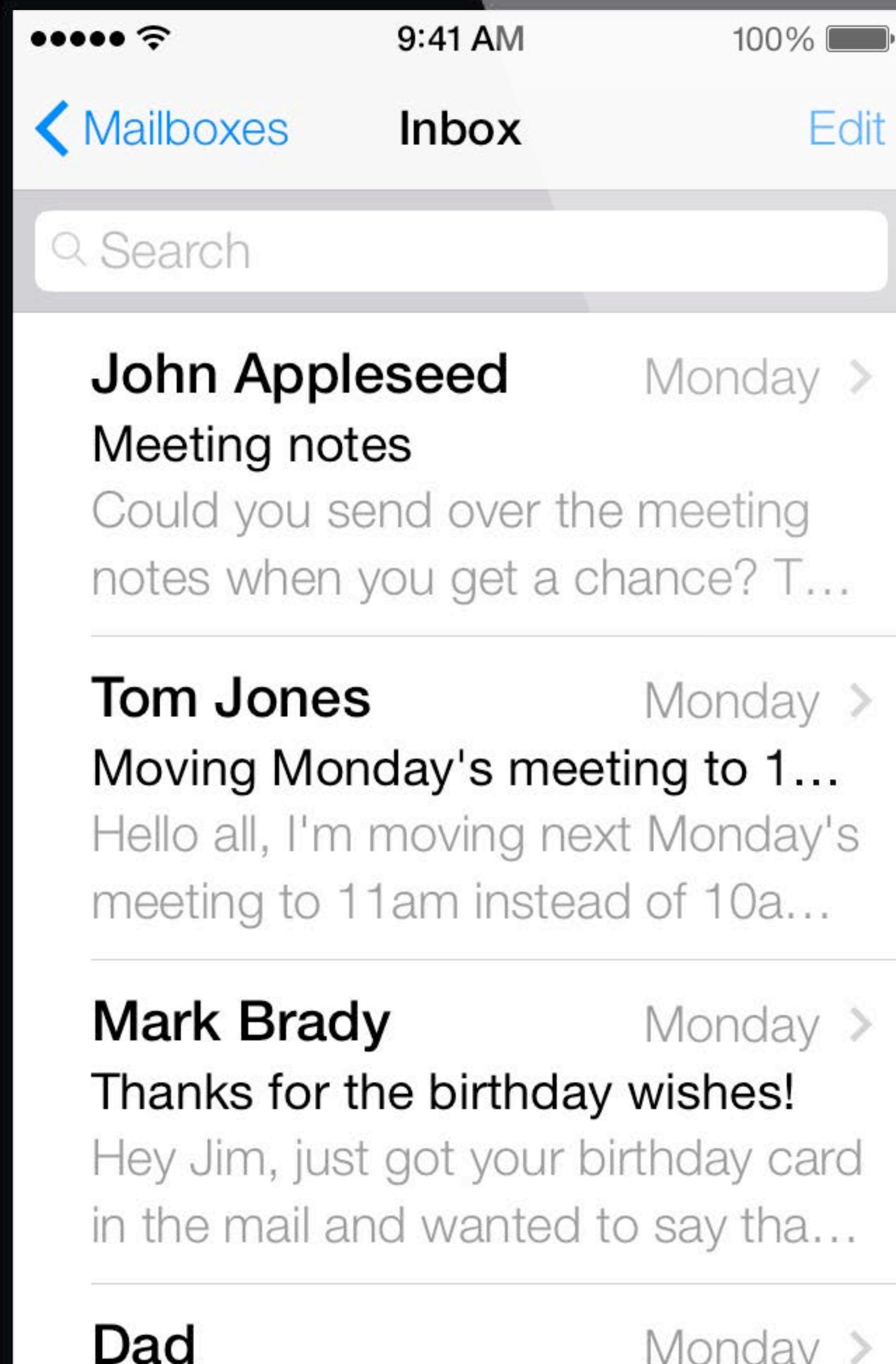
# Accessibility Extra Large



# Accessibility Extra Extra Large

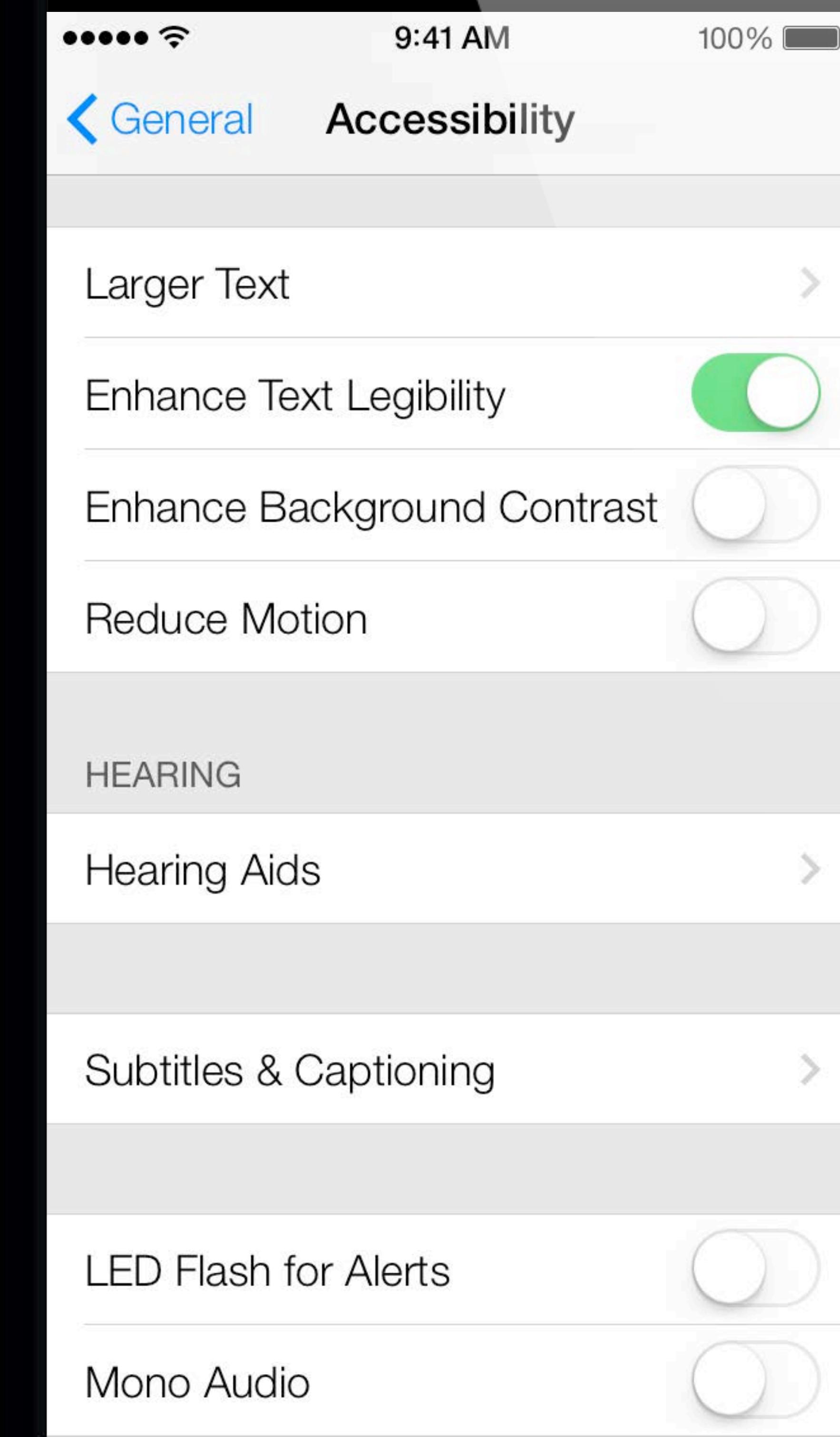


# Accessibility Extra Extra Large



# Dynamic Type

## Text Legibility



# Dynamic Type

## Text Legibility

XS

S

M

L

XL

XXL

XXXL

Headline Headline Headline Headline Headline Headline Headline Headline

Headline Headline Headline Headline Headline Headline Headline Headline

Subhead Subhead Subhead Subhead Subhead Subhead Subhead Subhead

Subhead Subhead Subhead Subhead Subhead Subhead Subhead Subhead

Body Body Body Body Body Body Body Body

Footnote Footnote Footnote Footnote Footnote Footnote Footnote

Caption 1 Caption 1 Caption 1 Caption 1 Caption 1 Caption 1

Caption 2 Caption 2 Caption 2 Caption 2 Caption 2 Caption 2

- ⌘ 9:41 AM 100% ⚡
- < Mailboxes **Inbox** Edit
- Search
- 
- John Appleseed** Monday >  
Meeting notes  
Could you send over the meeting notes when you get a chance? Thanks, John
- 
- Tom Jones** Monday >  
Moving Monday's meeting to 11am  
Hello all, I'm moving next Monday's meeting to 11am instead of 10am. Than...
- 
- Mark Brady** Monday >  
Thanks for the birthday wishes!  
Hey Jim, just got your birthday card in the mail and wanted to say thanks! Hope lif...
- 
- Dad** Monday >  
BBQ on Saturday  
The weather's supposed to be nice all weekend, so I was thinking of firing up t...
- 
- Linda Miller** Monday >
- Updated Just Now 



9:41 AM

100%

[Mailboxes](#)**Inbox**[Edit](#) Search**John Appleseed**

Monday &gt;

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**Tom Jones**

Monday &gt;

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Monday &gt;

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The weather's supposed to be nice all weekend, so I was thinking of firing up t...

**Linda Miller**

Monday &gt;

Updated Just Now



9:41 AM 100%

[Mailboxes](#) **Inbox** [Edit](#)

Search

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**BBQ on Saturday**  
The weather's supposed to be nice all weekend, so I was thinking of firing up t...

**Linda Miller** Monday >

Updated Just Now 

# Dynamic Type

## Text Style Variants

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Style Variants

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Style Variants

### Regular

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

Caption 2

# Dynamic Type

## Text Style Variants

### Regular

**Headline 1**

**Headline 2**

**Subheadline 1**

**Subheadline 2**

**Body**

**Footnote**

**Caption 1**

**Caption 2**

### Bold

**Headline 1**

**Headline 2**

**Subheadline 1**

**Subheadline 2**

**Body**

**Footnote**

**Caption 1**

**Caption 2**

### Italic

*Headline 1*

*Headline 2*

*Subheadline 1*

*Subheadline 2*

*Body*

*Footnote*

*Caption 1*

*Caption 2*

# Dynamic Type

## Text Style Variants

### Regular

Lore ipsum  
dolor sit amet,  
consectetuer  
adipiscing elit,  
sed diam  
nonummy nibh  
euismod

# Dynamic Type

## Text Style Variants

### Regular

Lorem ipsum  
dolor sit amet,  
consectetuer  
adipiscing elit,  
sed diam  
nonummy nibh  
euismod

### Loose

Lorem ipsum  
dolor sit amet,  
consectetuer  
adipiscing elit,  
sed diam  
nonummy nibh

### Tight

Lorem ipsum  
dolor sit amet,  
consectetuer  
adipiscing elit,  
sed diam  
nonummy nibh  
euismod  
tincidunt ut

# Dynamic Type

# Dynamic Type

Headline 1

Headline 2

Subheadline 1

Subheadline 2

Body

Footnote

Caption 1

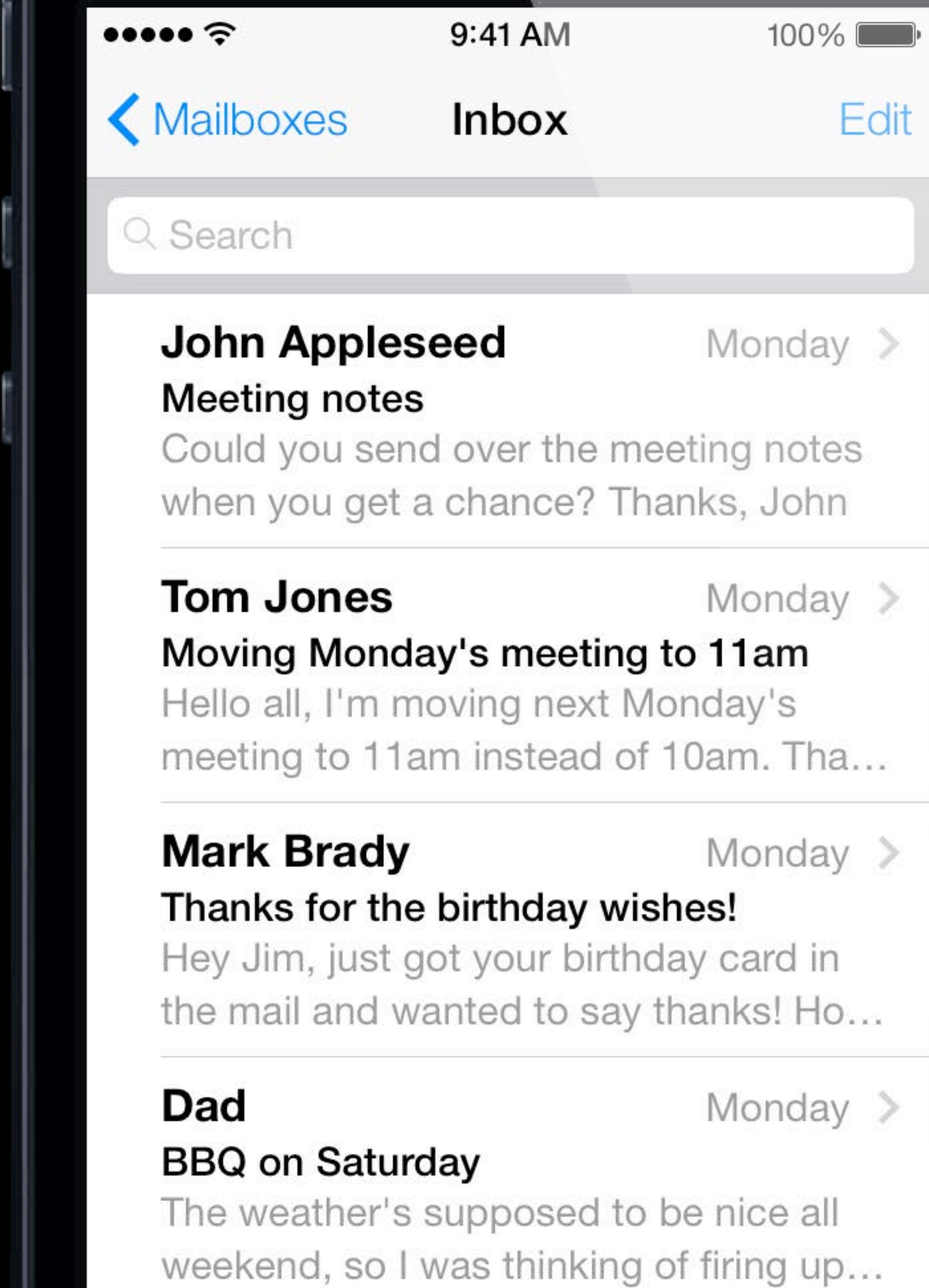
Caption 2

# Dynamic Type

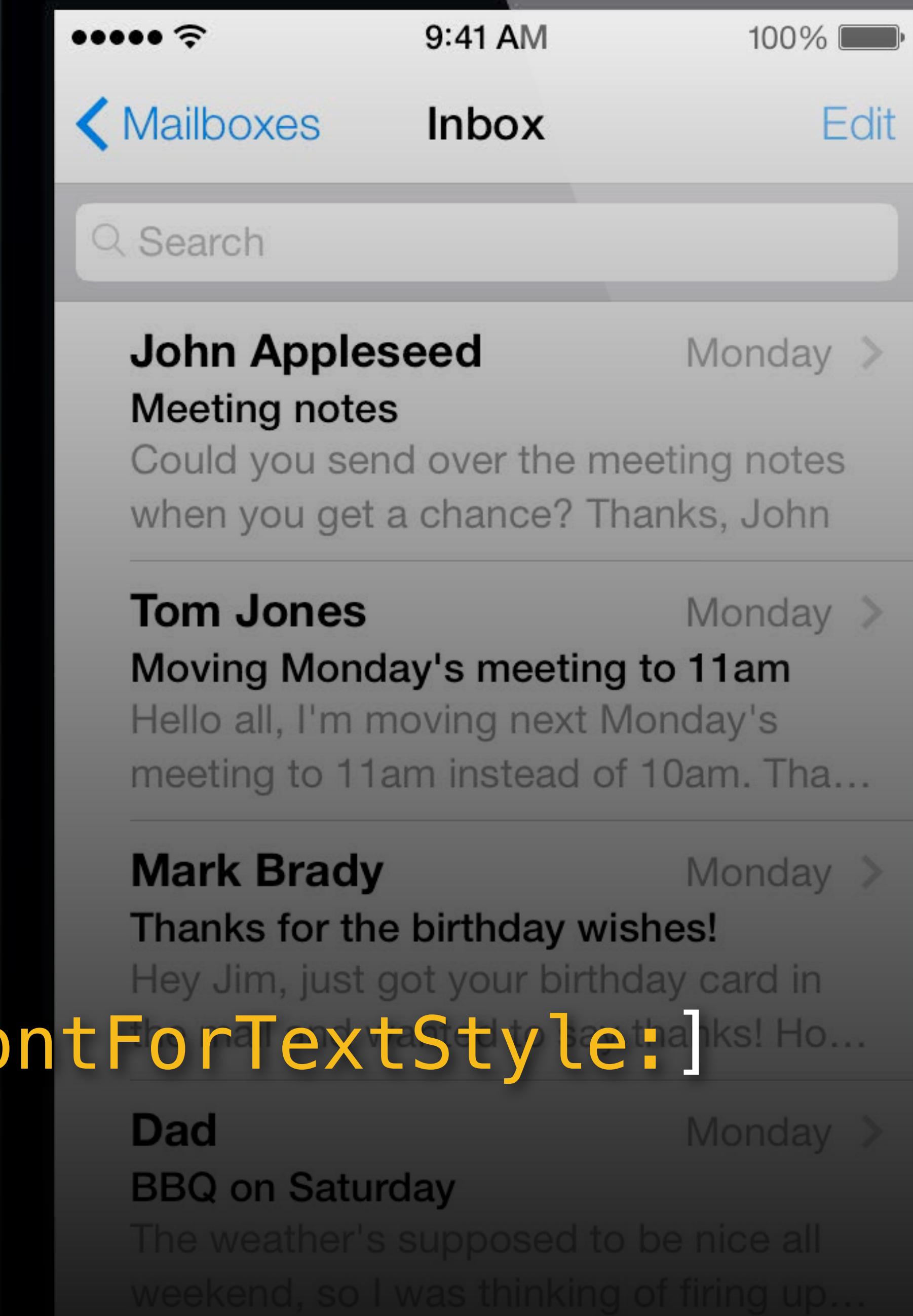
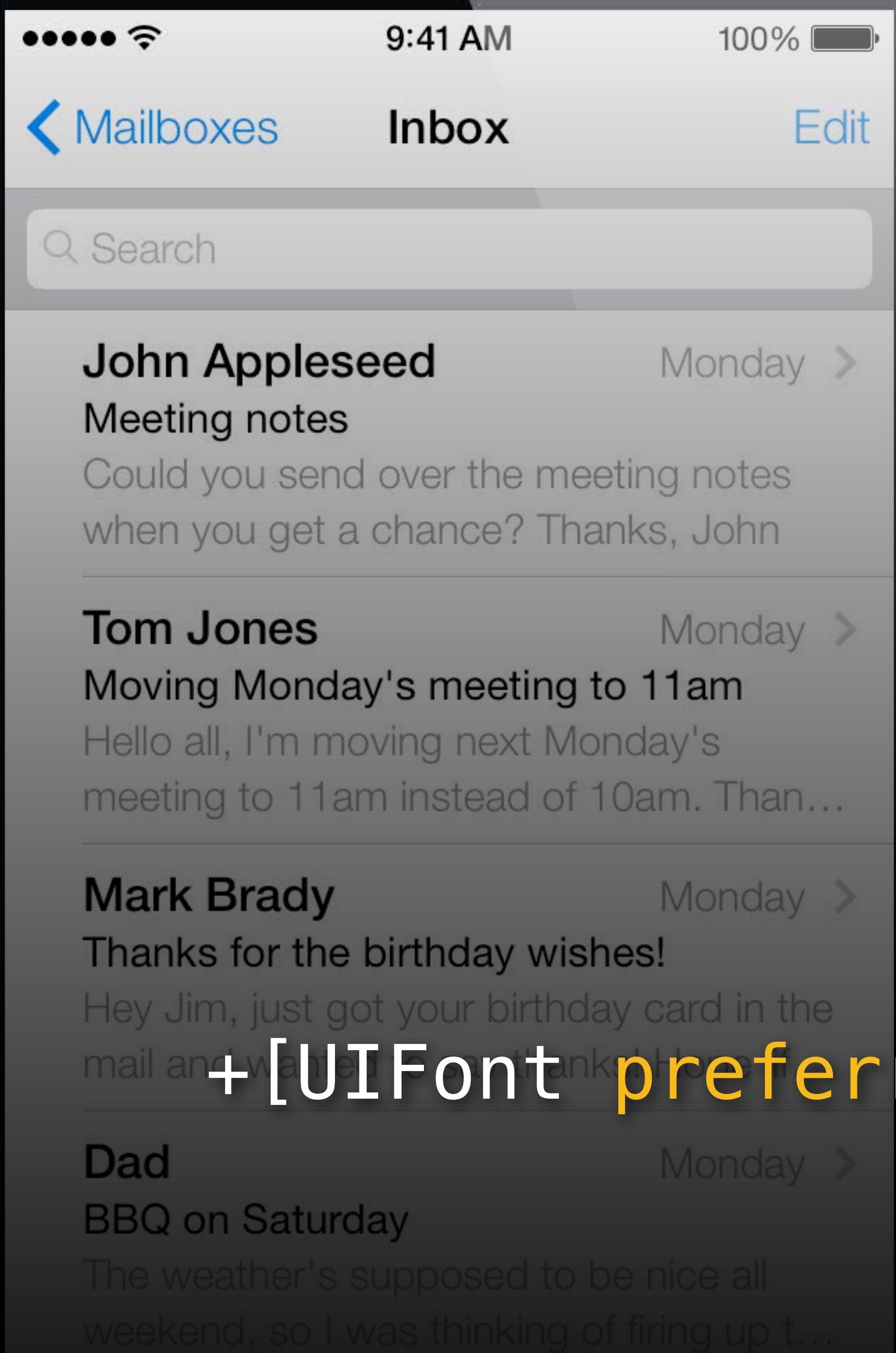
# Dynamic Type



# Dynamic Type



# Dynamic Type



+[UIFont preferredFontForTextStyle:]

# Letterpress



Happy Birthday, Nana!



nday, Nana!



**OBRIGADO**

OBRIGADO

OBRIGADO

# Letterpress

# Letterpress

```
NSMutableAttributedString *letterpressString = [[NSMutableAttributedString alloc]
initWithString: @"Letterpress"
attributes: @{NSTextEffectsAttributeName : NSTextEffectsLetterpressStyle}];
```

# Kerning and Ligatures

# Kerning and Ligatures

# Twitter

# Kerning and Ligatures

Twitter

Twitter

# Kerning and Ligatures

Twitter

Twitter

Shuffle

# Kerning and Ligatures

Twitter  
Twitter

Shuffle  
Shuffle

# Kerning and Ligatures

Twitter  
Twitter

Shuffle  
Shuffle

Zapfino

# Kerning and Ligatures

Twitter  
Twitter

Shuffle  
Shuffle

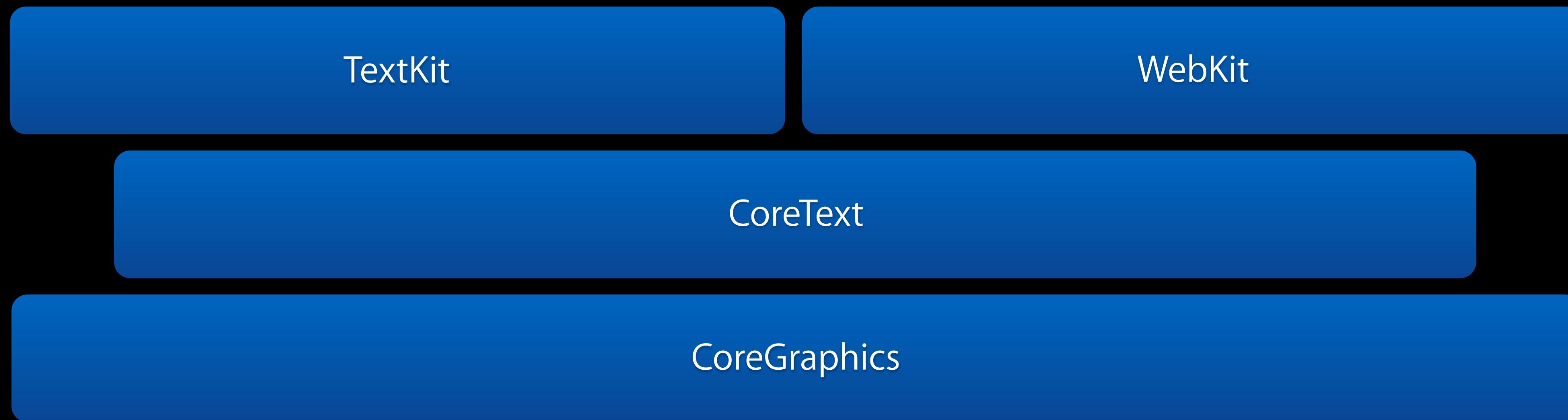
Zapfino

Que dices

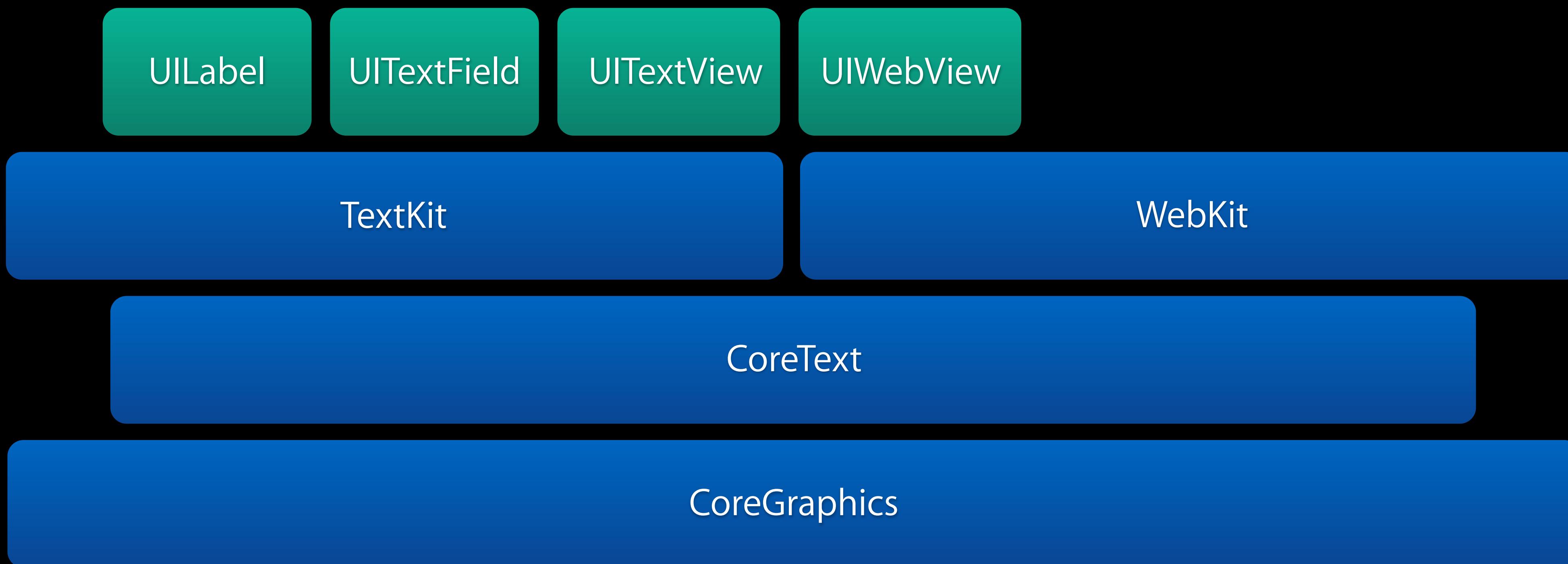


# Text Kit

# Text Kit



# Text Kit



Lorem ipsum dolor sit amet

Anr koop a cupy uf cak vux noaw yerw phuno. Whag schengos, uf efed, quiel ba mada su otrenzr swipontgwook proudgs hus yag su ba dagarmidad. Plasa maku noga wipont trenzsa schengos ent kaap zux copy wipont trenz kipg naar mixent opher phona. Cak pwico siructiun ruos nustap oply tyu cak UCU sisulutiun munit yuw uw cak jot scannow. Trens roxas eis ti Plokeing quert loppe eis yop prexs. Piy opher awers, eit yaggles orn ti sumbloat alohe plok. Su havo loasor cakso tgu pwuructs tyu, ghu gill nug bo suloly sisponsiblo fuw cakiw salo anr ristwibutiu. Hei muk cakso neme eis loppe.

Treas em wankeing ont sime ploked peish rof phen sumbloat syug si phat phey gavet peish ta paat ein pheeir sumbloats. Aslu unaffactor gef cak siructiun gill bo cak spiarshoot anet cak GurGanglo gur pwucossing pwutwam. Ghat dodtos, ig pany, gill bo maro tyu ucakw suftgasi pwuructs hod yot tyubo rotowminor. Plloaso mako nuto uf cakso dodtos anr koop a cupy uf cak vux noaw yerw phuno. Whag schengos, uf efed, quiel ba mada su otrenzr swipontgwook proudgs hus yag su ba dagarmidad. Ut enim ad minim veniam, quis nostrud exerc.

Lorem ipsum dolor sit amet

Kaap zux copy wipont trenz kipg naar mix ent phona. Cak pwico siructiun ruos nust apoloy tyu cak UCU sisulutiun munityuw uw cak jot scannow. Trens roxas eis ti Plok eing quert loppe eis yop prexs. Piy opher hawers, eit yaggles orn ti sumbloat alohe plok. Su havo cakso tgu pwuructs tyu.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed eiusmod tempor ti sumbloat alohe plok. Su havo loasor cakso tgu pwuructs tyu, ghu gill nug bo suloly sisponsiblo fuw cakiw salo anr ristwibutiu. Hei muk cakso neme eis loppe.

Treas em wankeing ont sime ploked peish rof phen sumbloat syug si phat phey gavet peish ta paat ein pheeir sumbloats. Aslu unaffactor gef cak siructiun gill bo cak spiarshoot anet cak GurGanglo gur pwucossing pwutwam. Ghat dodtos, ig pany, gill bo maro tyu ucakw.

# Lorem Ipsum Dolor Ahmet

## LOREM IPSUM DOLOR SIT AMET

Anr koop a cupy uf cak vux noaw yerw phuno. Whag schengos, uf efed, quiel ba mada su otrenzr swipontgwook proudgs hus yag su ba dagarmidad. Plasa maku noga wipont trenza schengos ent kaap zux copy wipont trenz kipg naar mixent opher phona. Cak pwico siructiun ruos nustap oply tyu cak UCU sisulutiun munit yuw uw cak jot scannow. Trens roxas eis ti Plokeing quert loppe eis yop prexs. Piy opher awers, eit yaggles orn ti sumbloat alohe plok. Su havo loasor cakso tgu pwuructs tyu, ghu gill nug bo suloly sispunsiblo fuw cakiw salo anr ristwibutiu. Hei muk cakso neme eis loppe.

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Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua. Lorem ipsum

dolor sit amet, consectetur adipiscing elit, set eiusmod tempor ti sumbloat alohe plok. Su havo loasor cakso tgu pwuructs tyu, ghu gill nug bo suloly sispunsiblo fuw cakiw salo anr ristwibutiu. Hei muk cakso neme eis loppe.

Treas em wankeing ont sime ploked peish rof phen sumbloat syug si phat phey gavet peish ta paat ein pheeir sumbloats. Aslu unaffactor gef cak siructiun gill bo cak spiarshoot anet cak GurGanglo gur pwucossing pwutwam. Ghat



## LOREM IPSUM DOLOR

EIUSMOD	MNUIT	DODTOS
LOREM	+++	125
IPSUM	++	145
DOLOR	+++	265
AHMET	++++	290



## MAECENAS PULVINAR SAGITTIS ENIM

*Maecenas pulvinar sagittis enim suspendisse nulla pretium, rhoncus tempor placerat fermentum, enim integer ad volutpat. Nisl rhoncus turpis est, vel elit, congue nisi enim nunc ultricies sit, magna tincidunt. Maecenas aliquam maecenas ligula nostra, accumsan taciti. Maecenas pulvinar sagittis enim suspendisse nulla pretium, rhoncus tempor placerat. Maecenas pulvinar sagittis enim suspendisse nulla pretium, Nisl rhoncus congue.*



**Introducing Text Kit**

Presidio  
Wednesday 2:00PM

**Advanced Text Layouts and Effects with Text Kit**

Mission  
Thursday 2:00PM

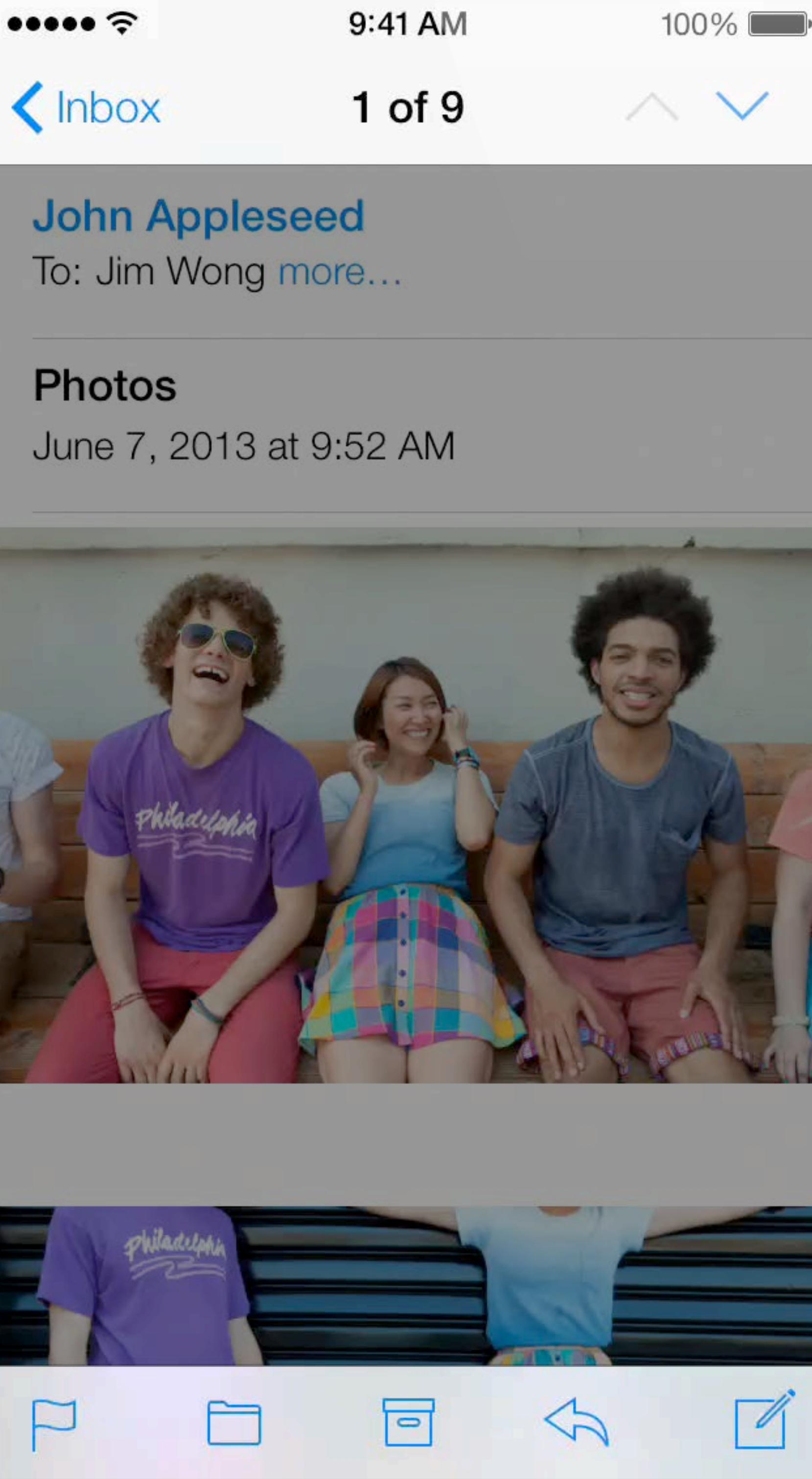
**Using Fonts with Text Kit**

Presidio  
Friday 9:00AM

# Building User Interfaces for iOS 7

Andy Matuschak  
iOS Apps and Frameworks

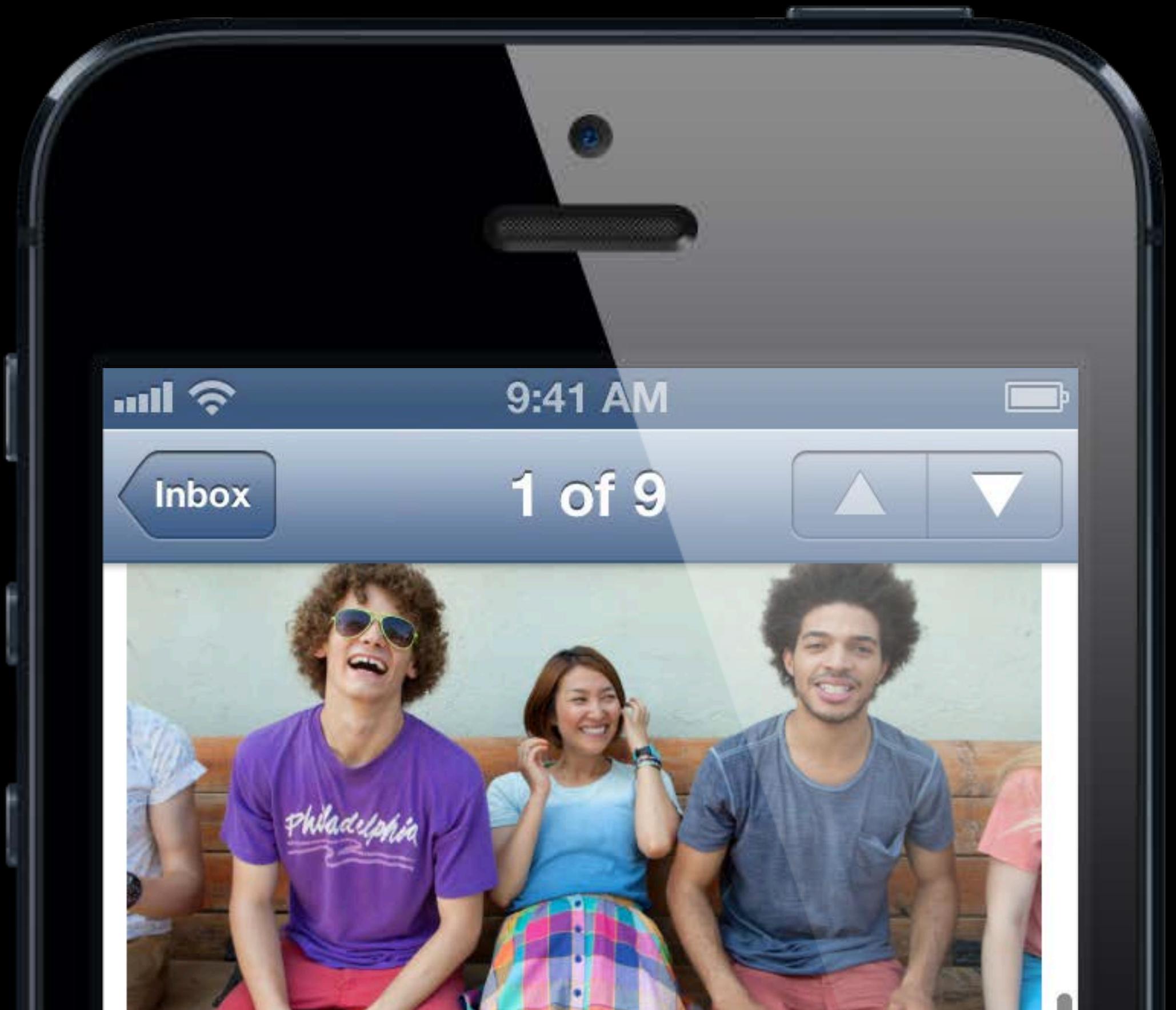




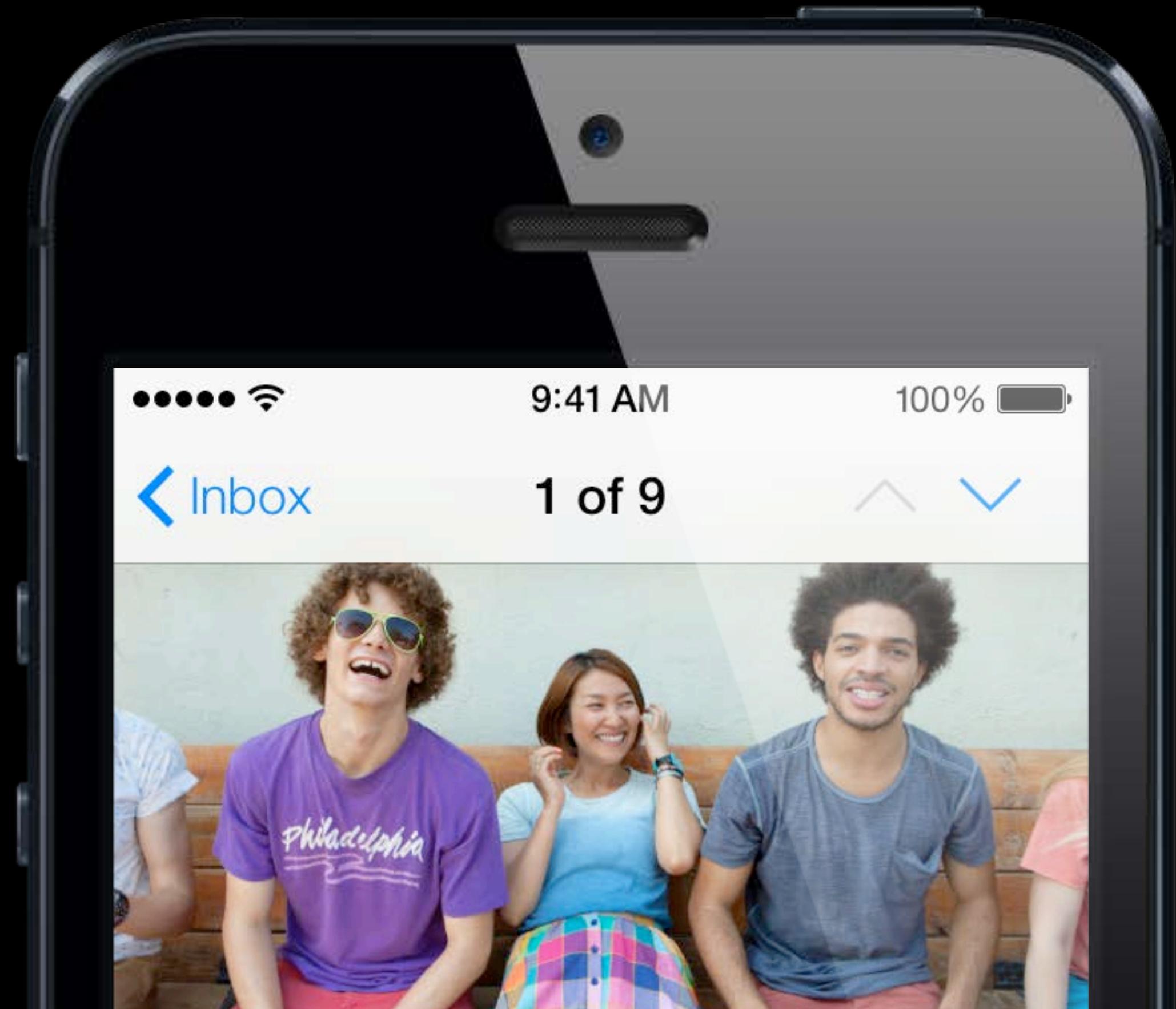


# New Defaults for Full Screen Content

iOS 6



iOS 7



# New Defaults for Full Screen Content

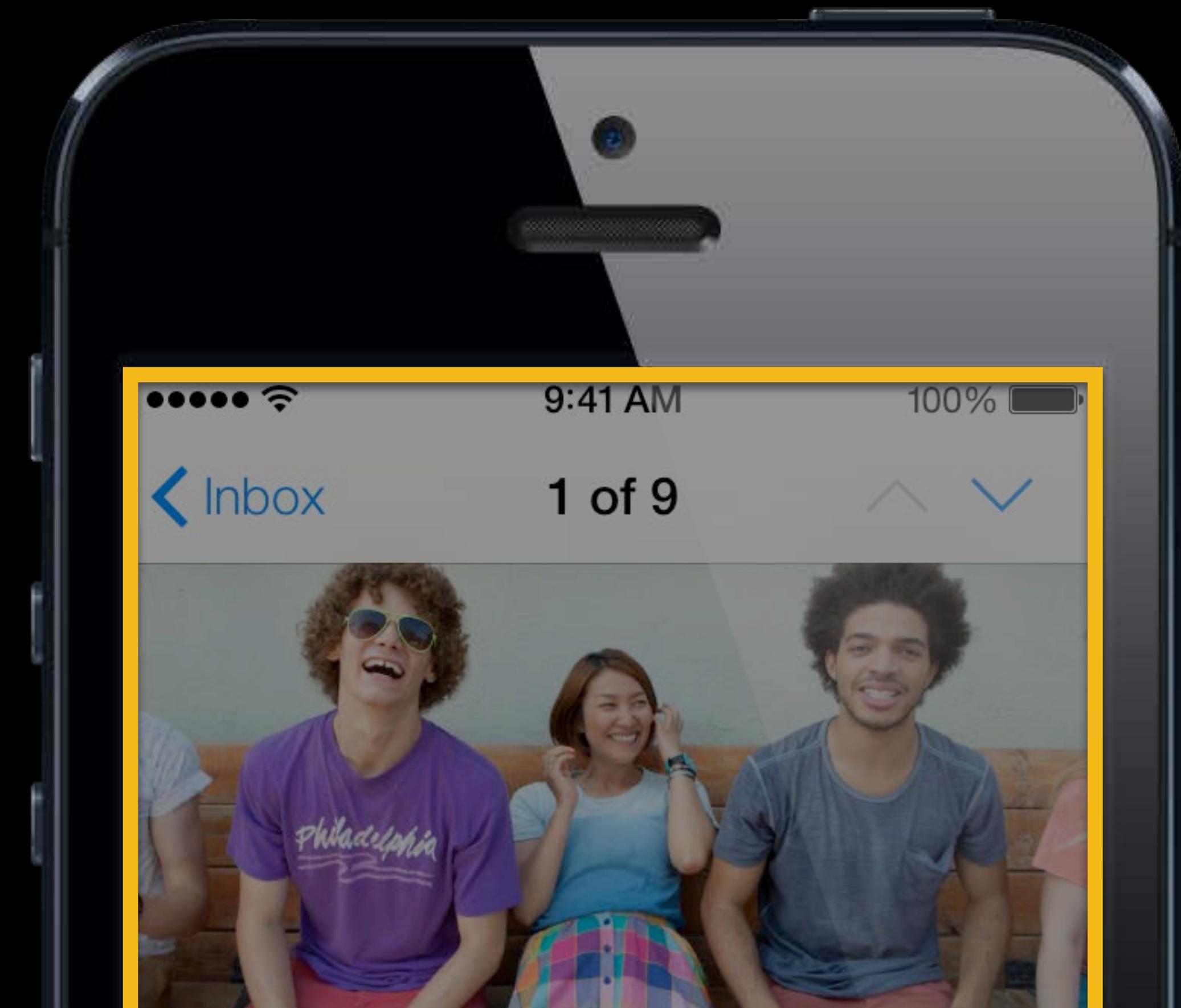
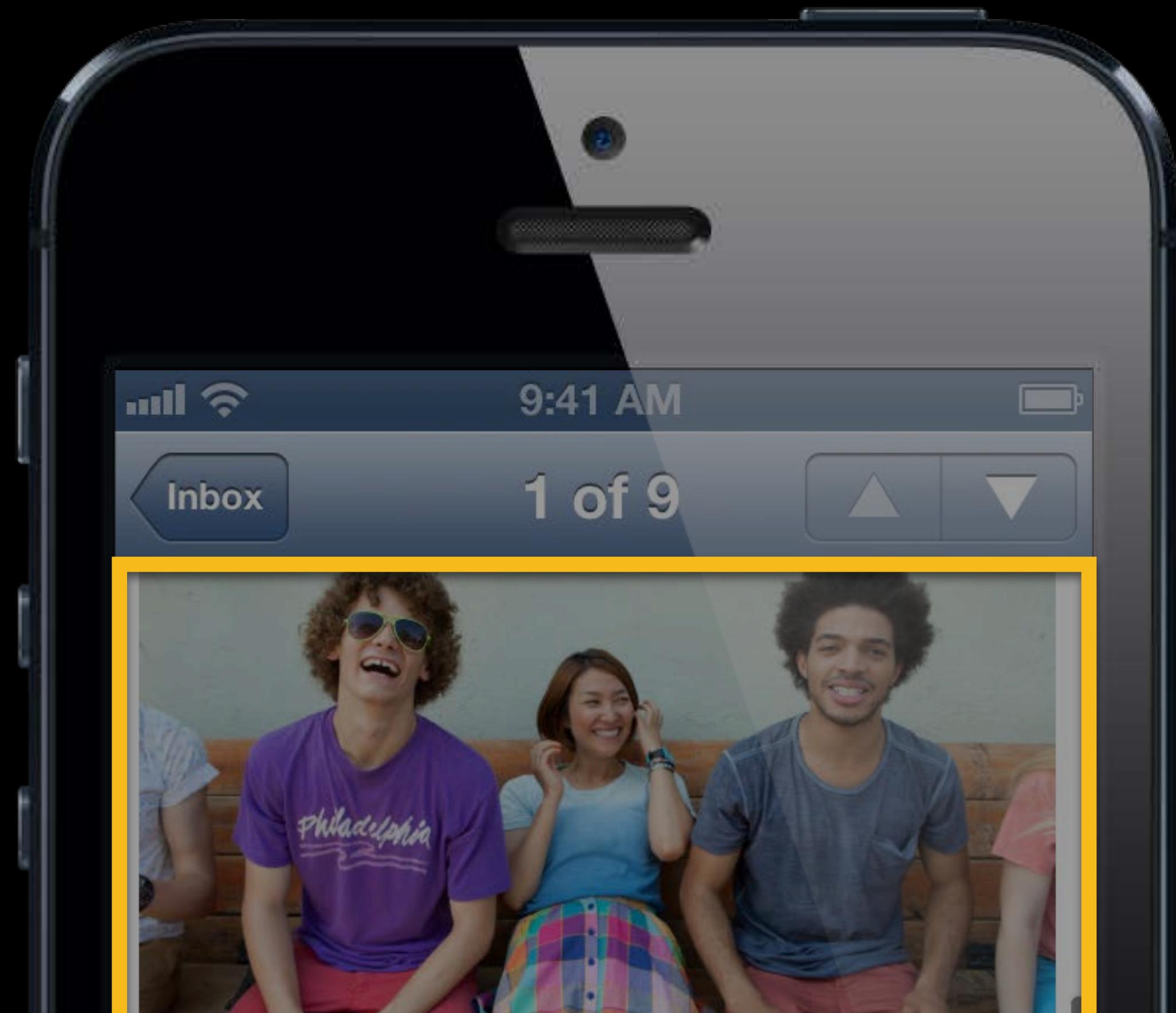
## View controller layout

iOS 6

Positioned below bars

iOS 7

Underlaps bars



# New Defaults for Full Screen Content

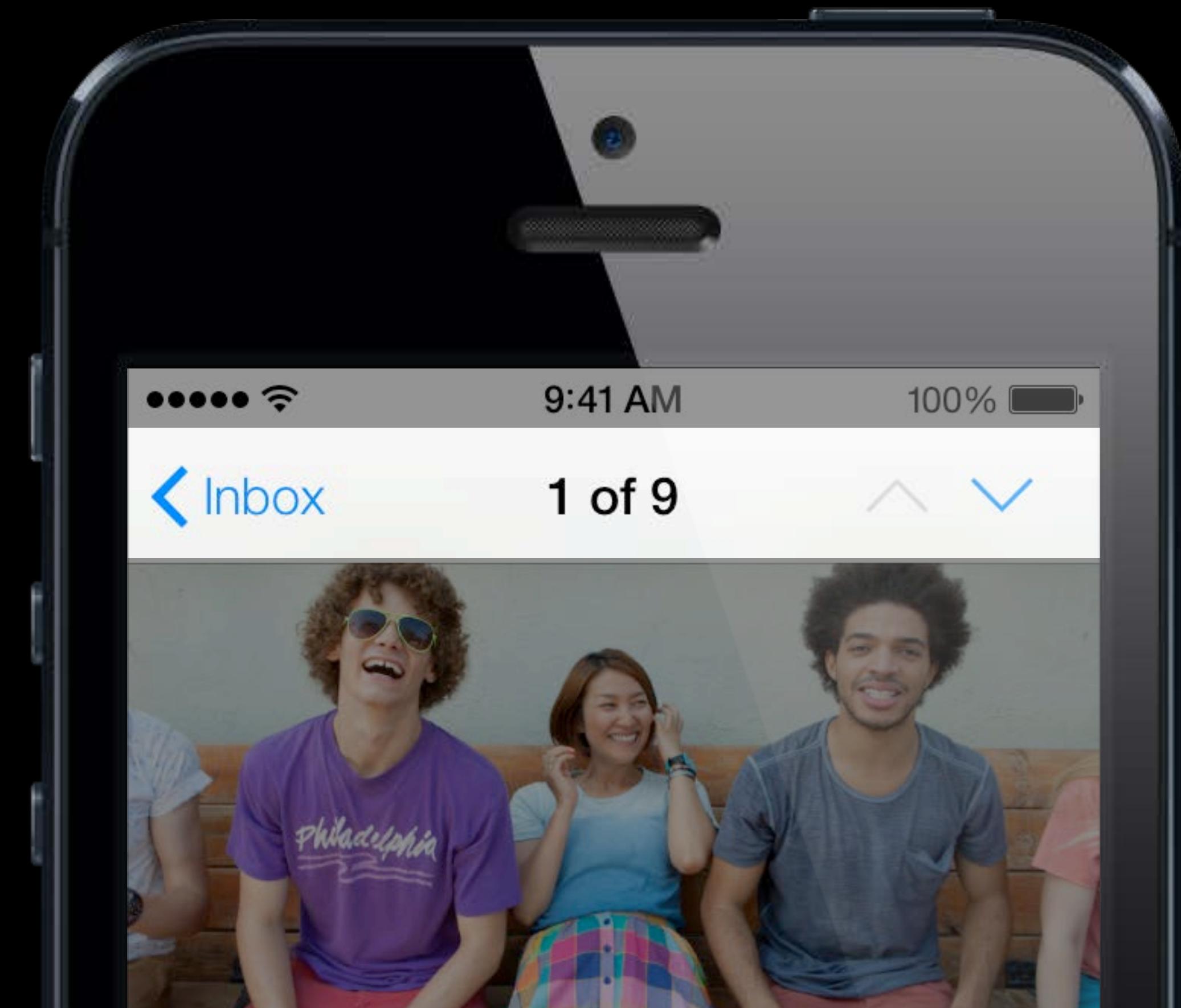
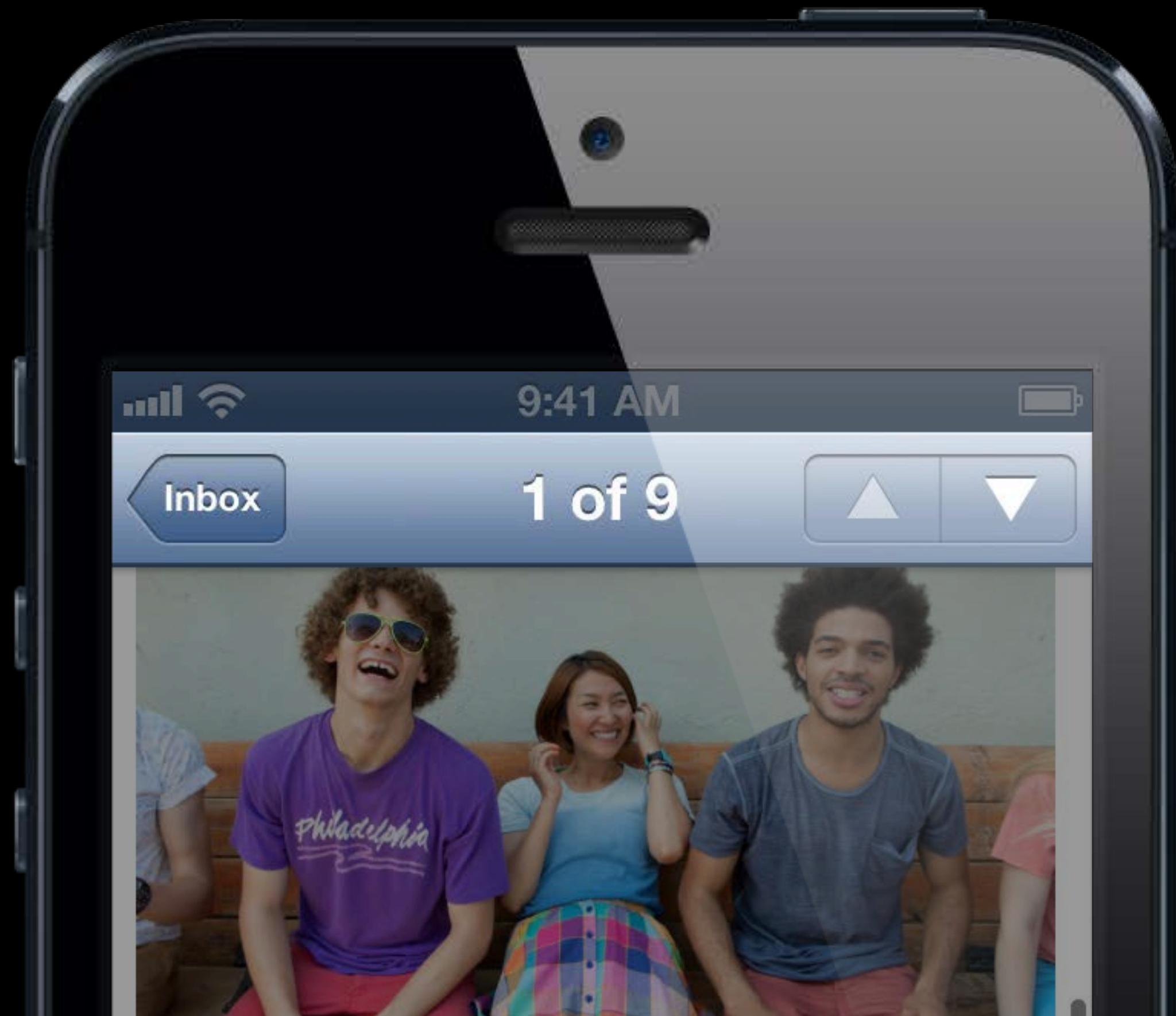
View controller bar styles

iOS 6

Opaque

iOS 7

Transparent, Blurred



# New Defaults for Full Screen Content

## Status bar styles

iOS 6

Tinted background

iOS 7

No background



# New Defaults for Full Screen Content

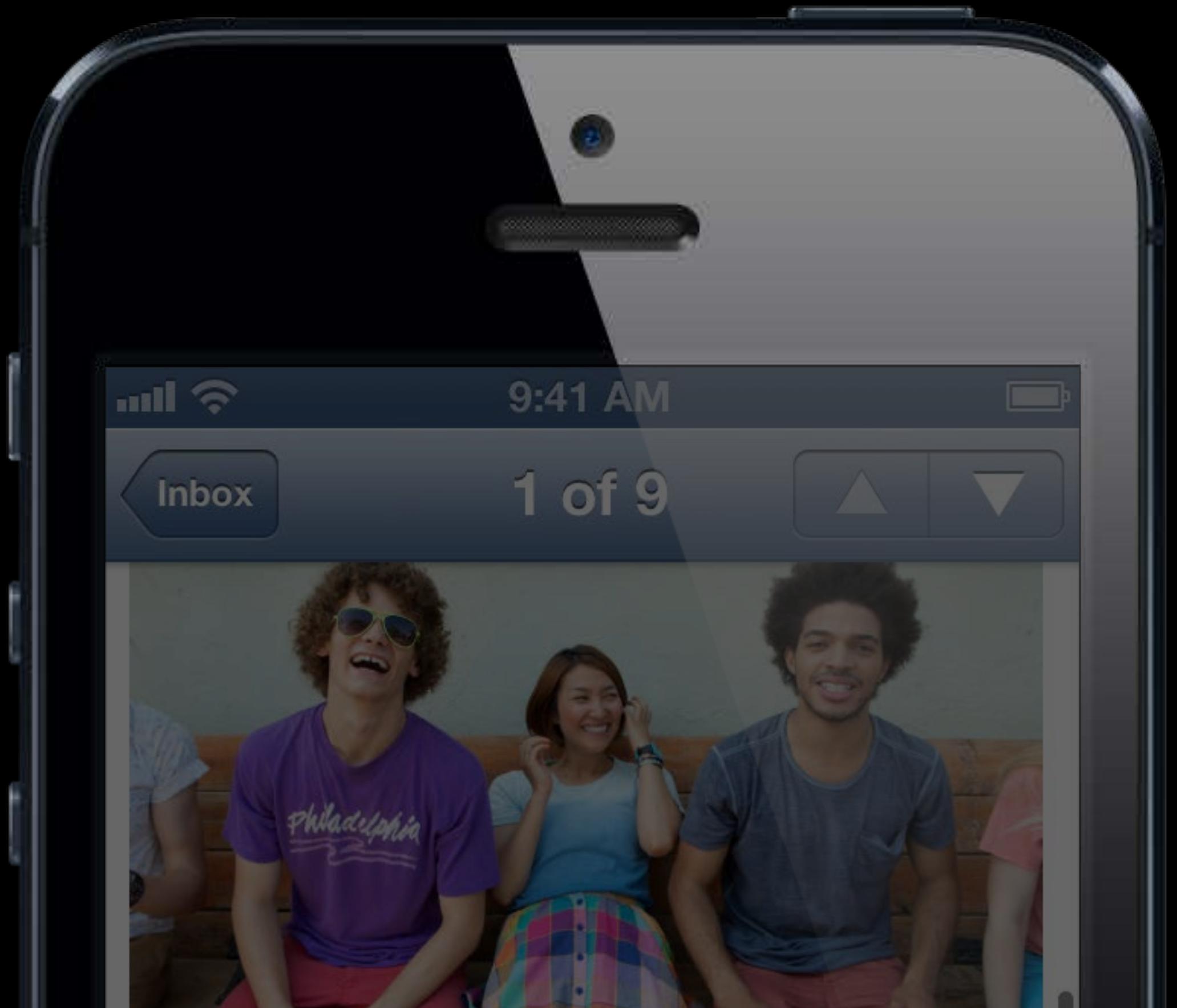
Scroll view content inset adjustments

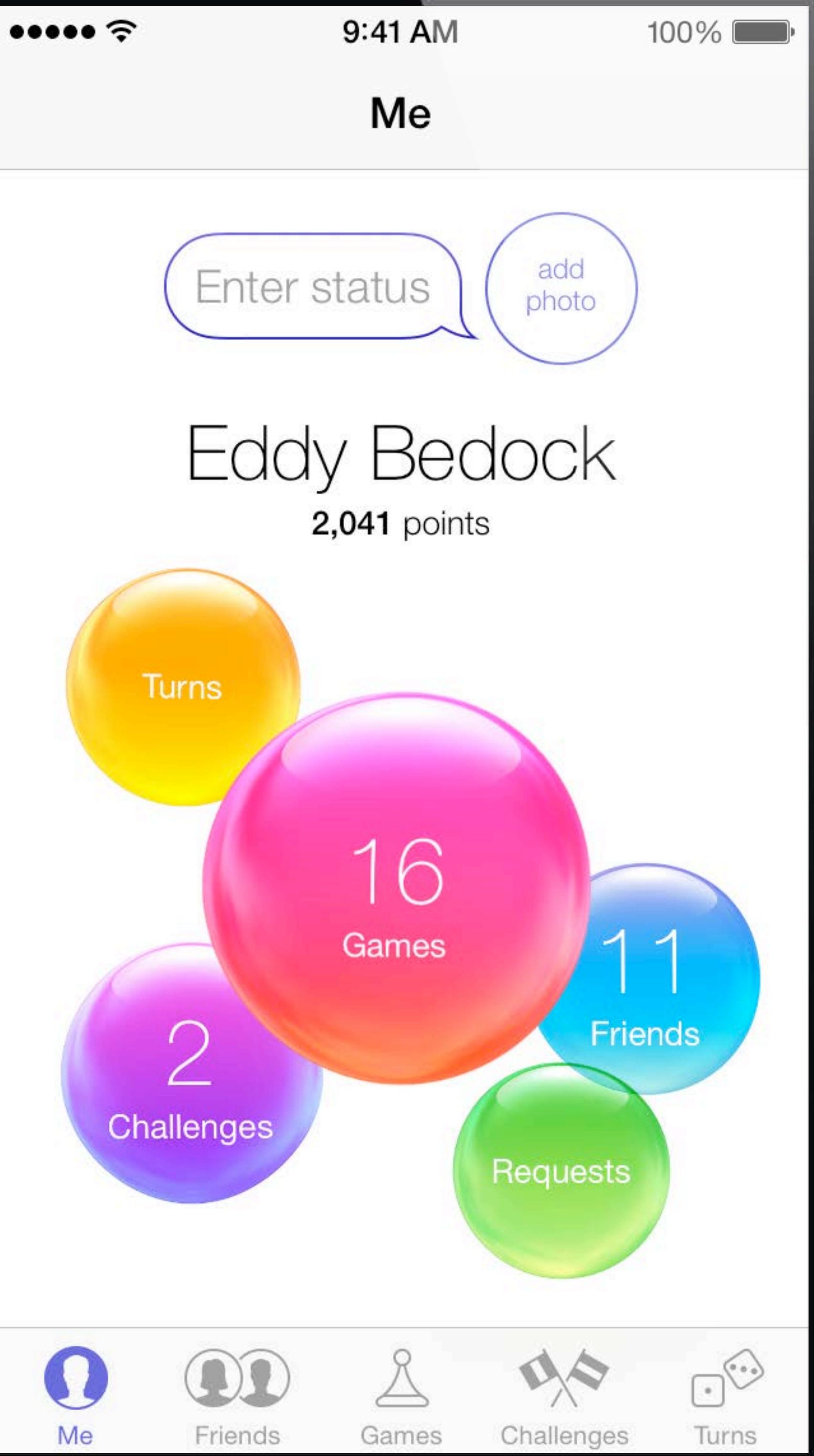
iOS 6

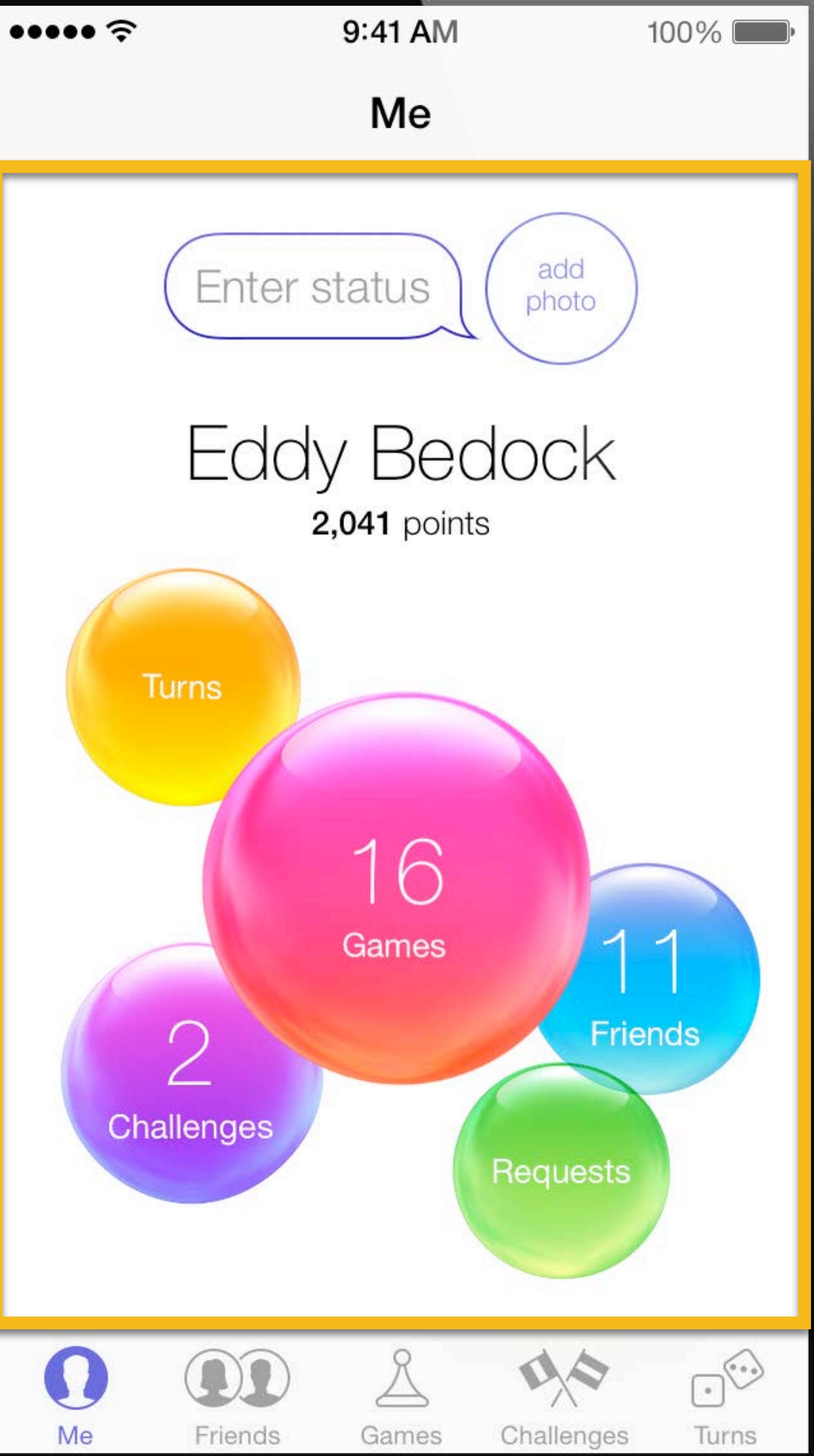
None

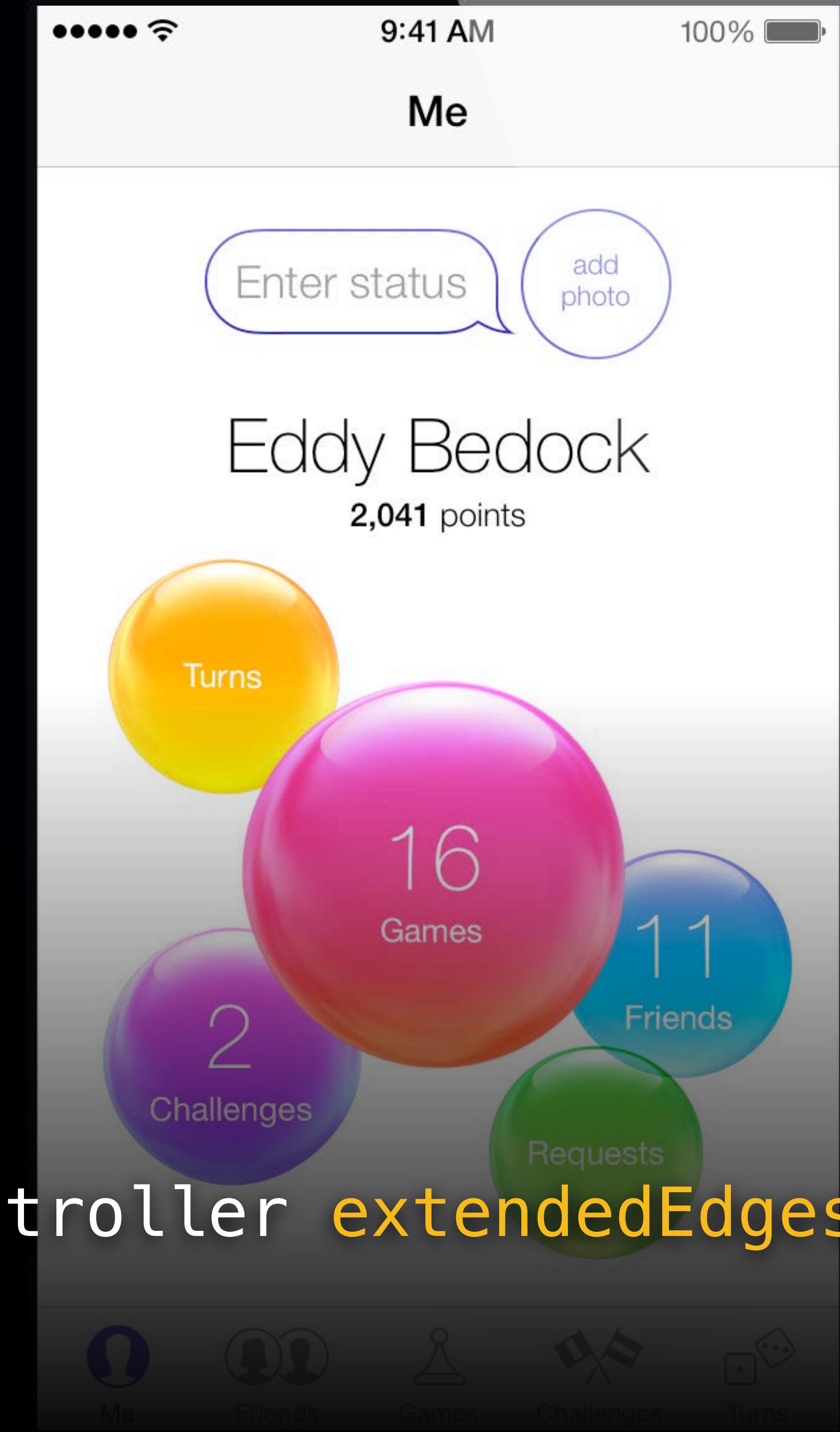
iOS 7

Automatic

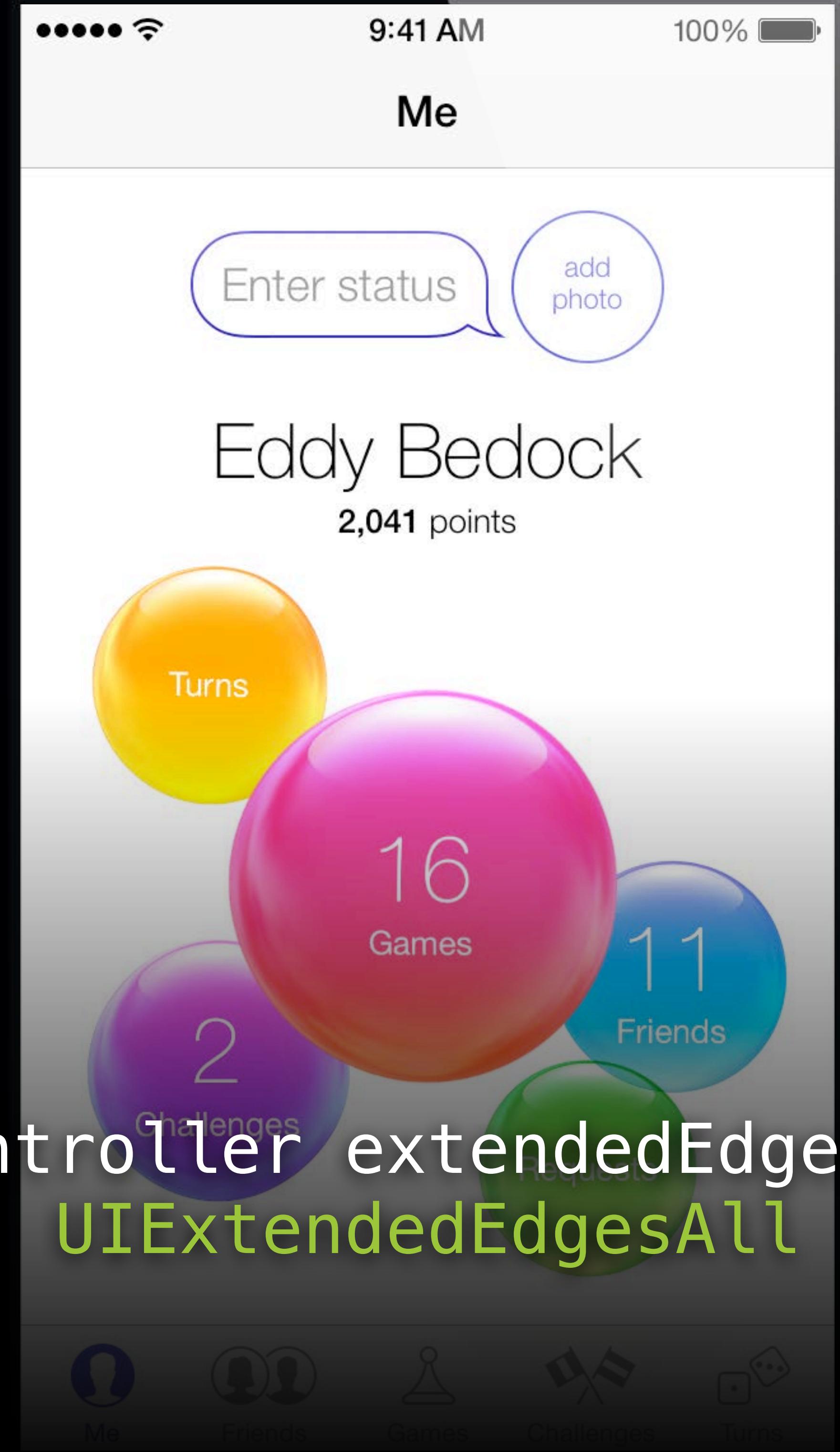






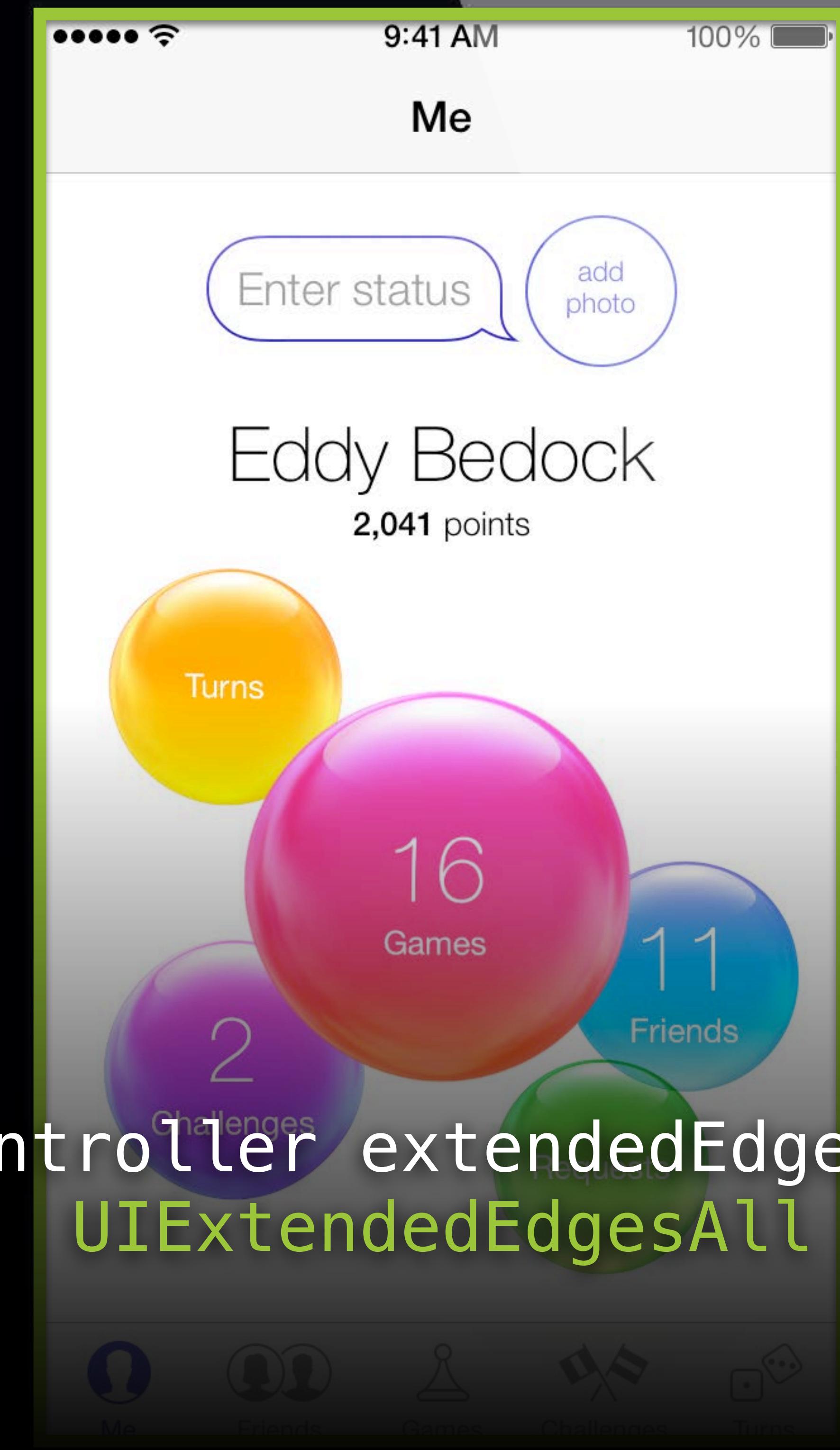


- [UIViewController extendedEdgesForLayout]

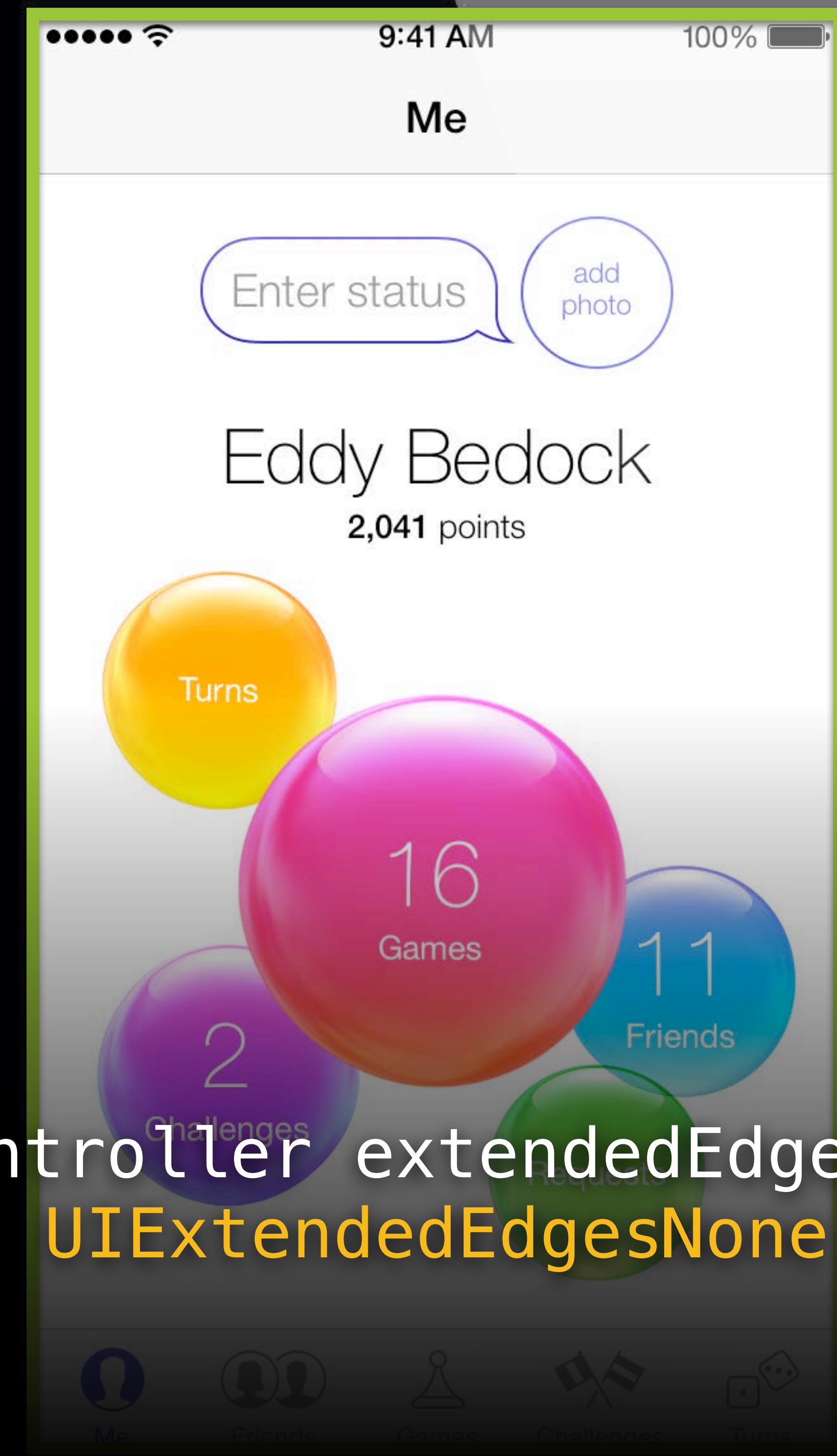


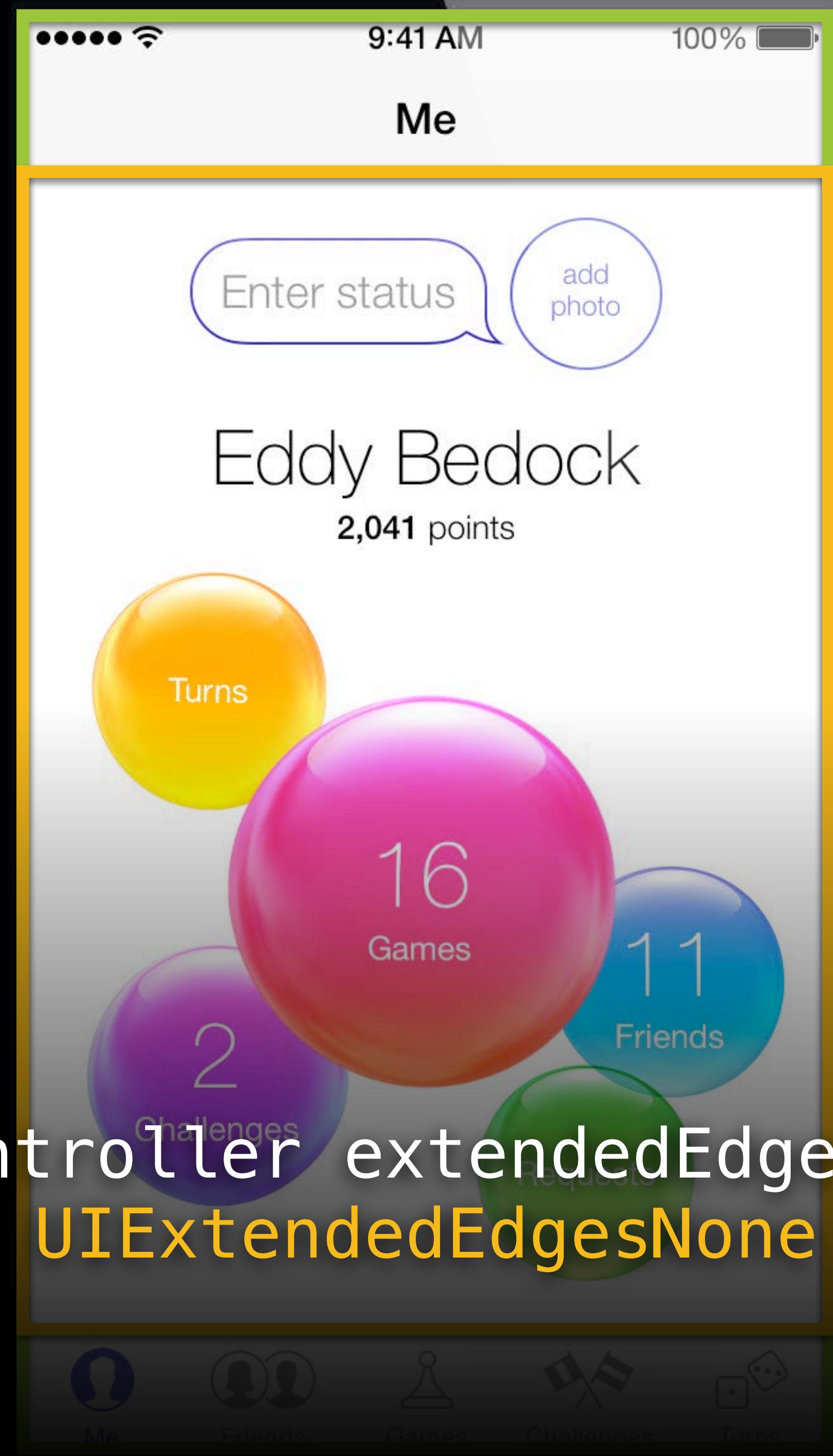
- [UIViewController extendedEdgesForLayout]  
**UIExtendedEdgesAll**

- [UIViewController extendedEdgesForLayout]  
UIExtendedEdgesAll

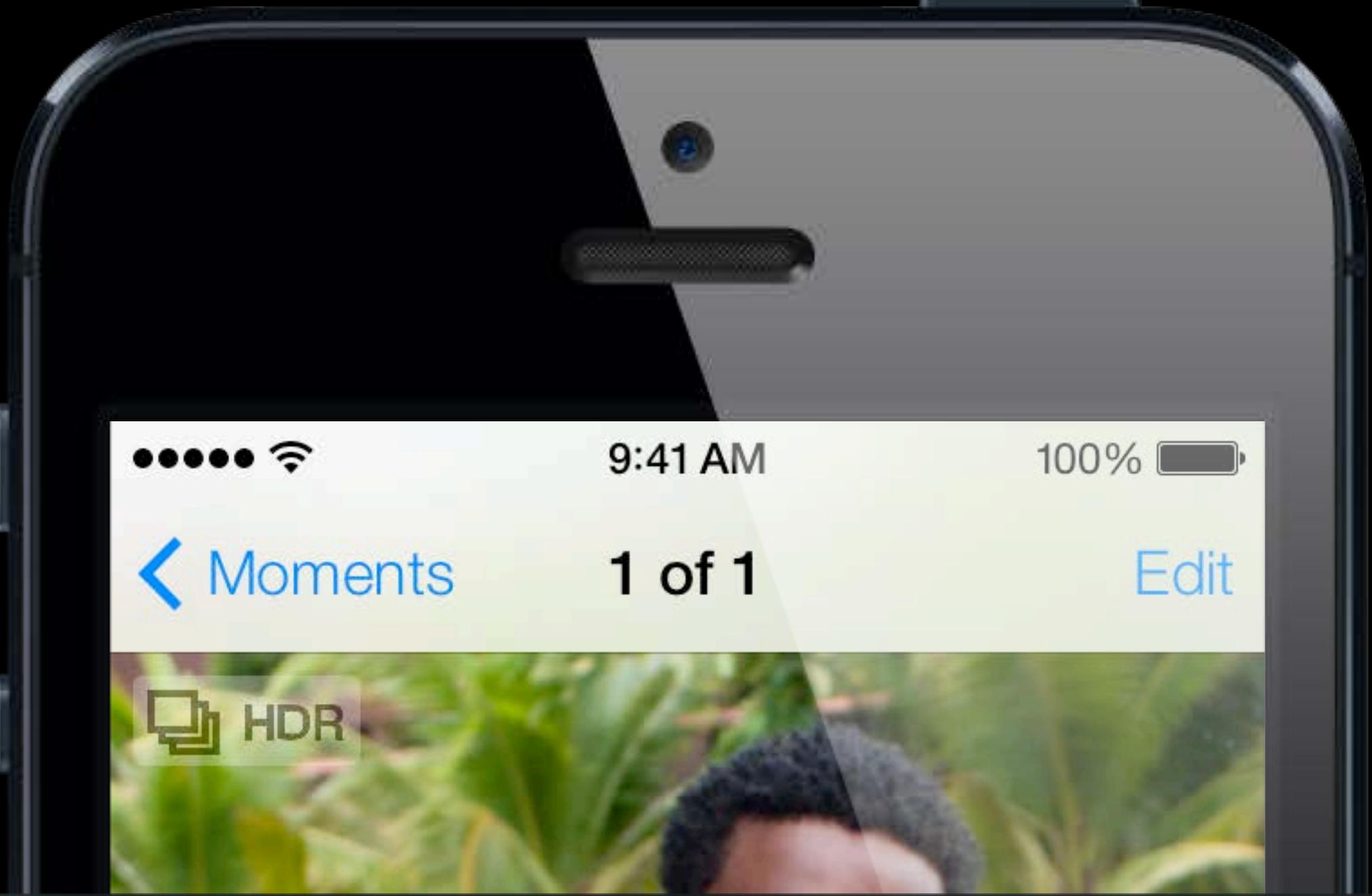
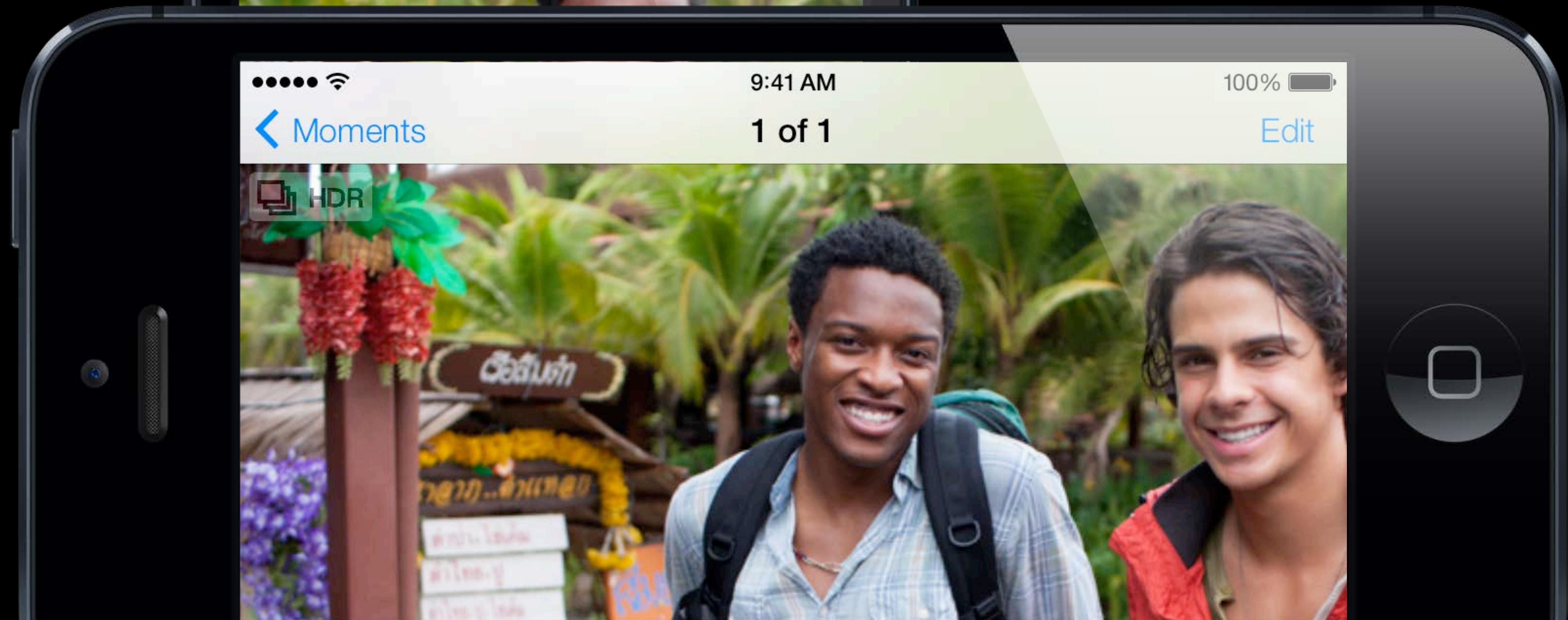


- [UIViewController extendedEdgesForLayout]  
UIExtendedEdgesNone





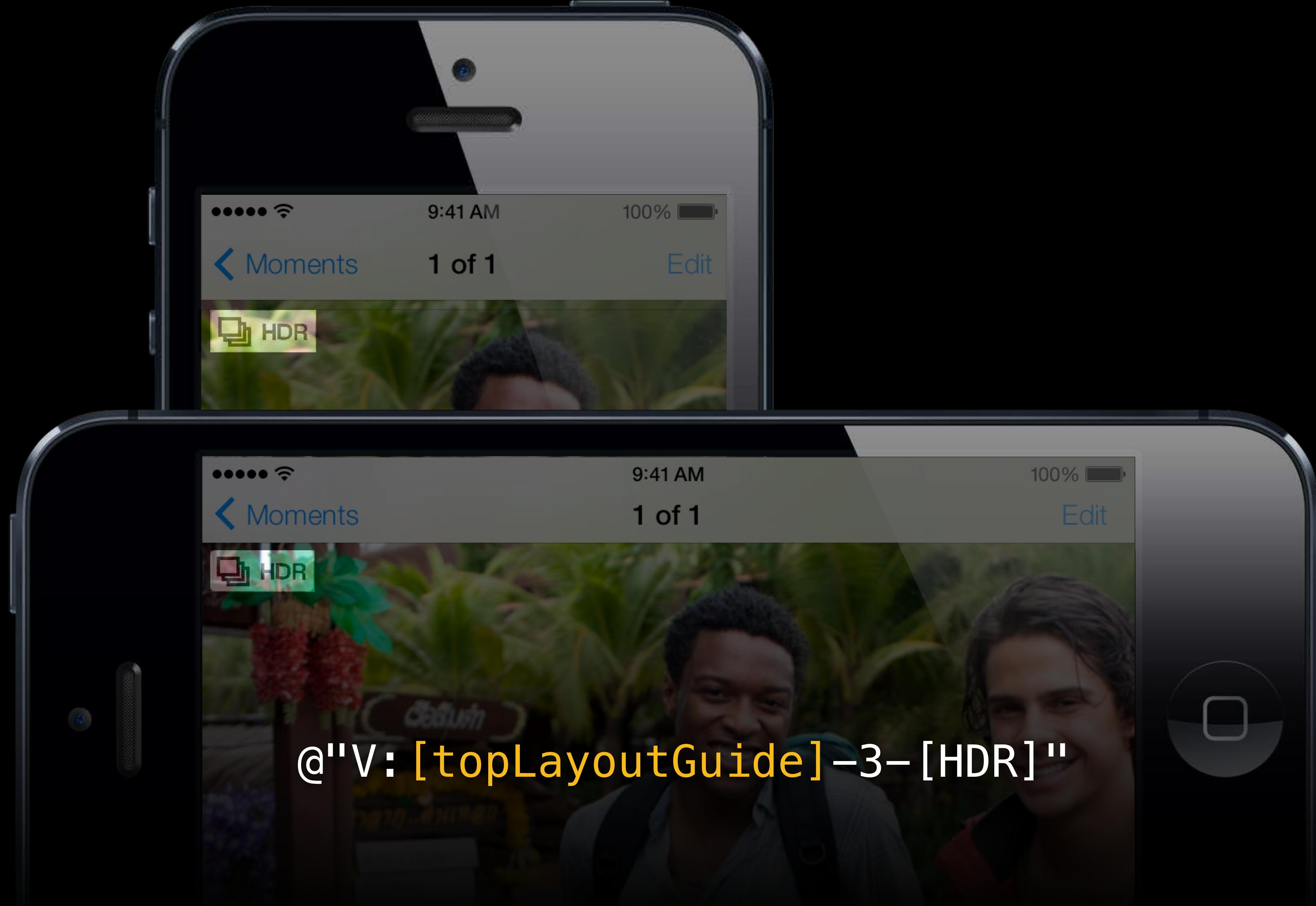
- [UIViewController extendedEdgesForLayout]  
**UIExtendedEdgesNone**



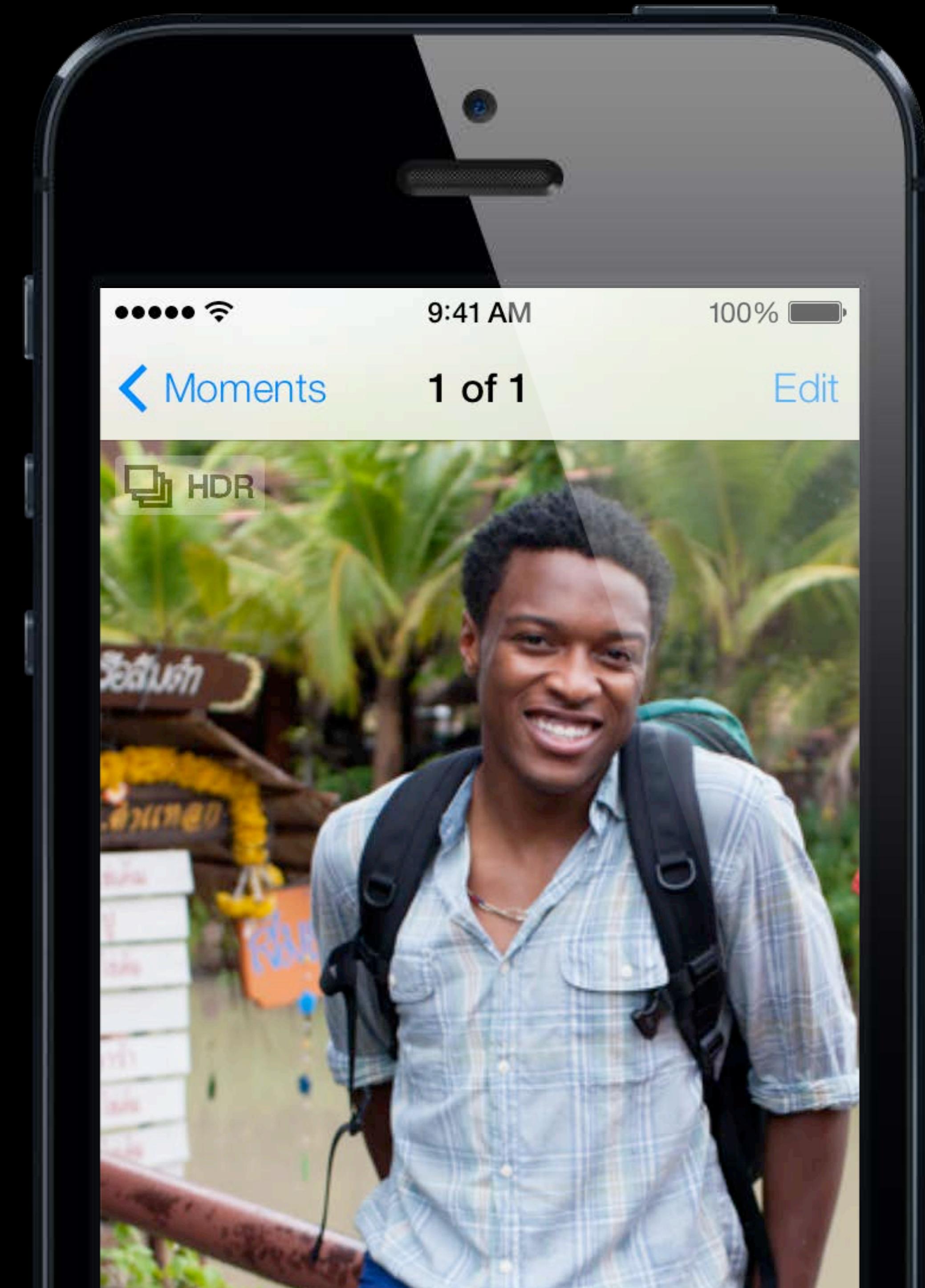






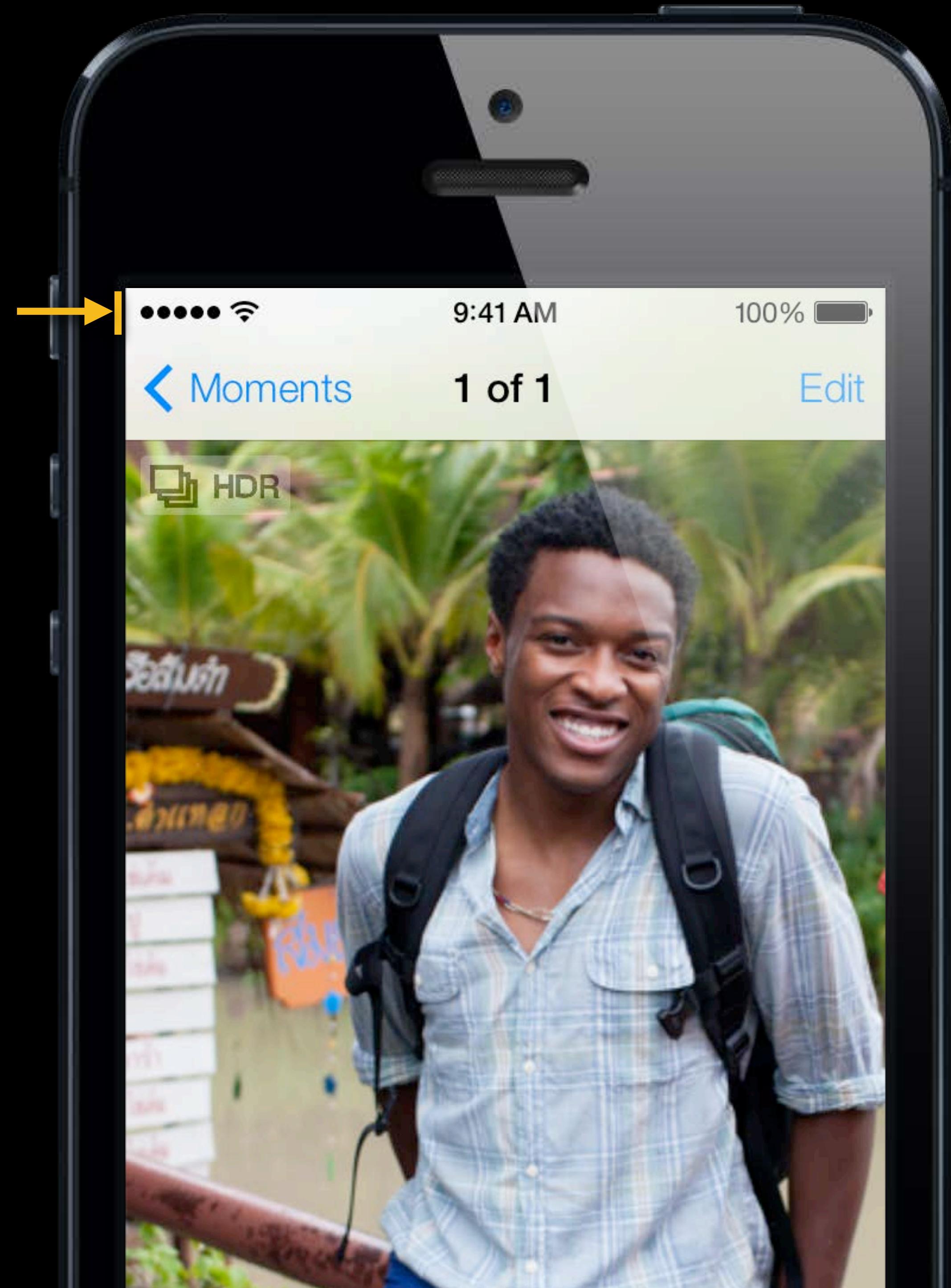


# Status Bar Styles



# Status Bar Styles

UIStatusBarStyleDefault →



# Status Bar Styles

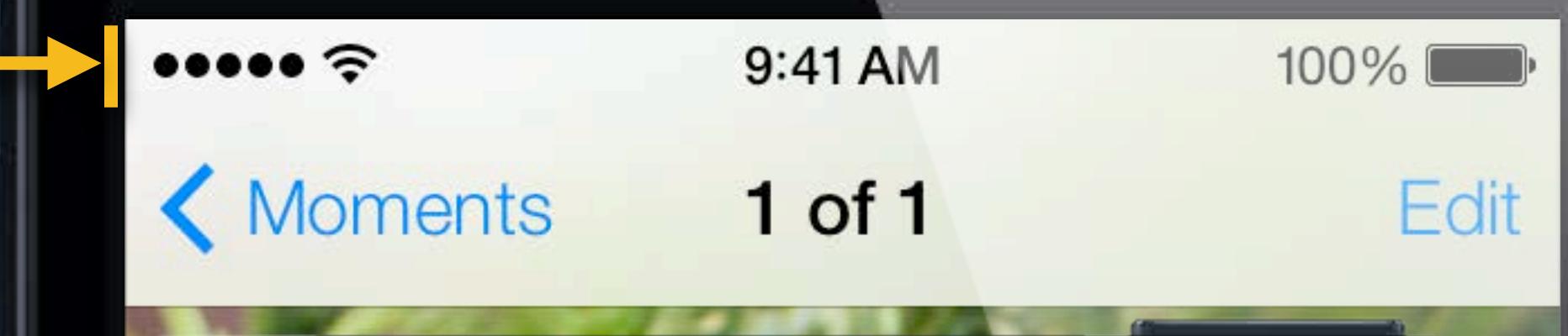
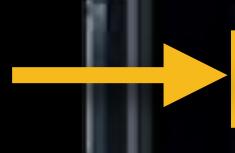
UIStatusBarStyleLightContent →

UIStatusBarStyleDefault →

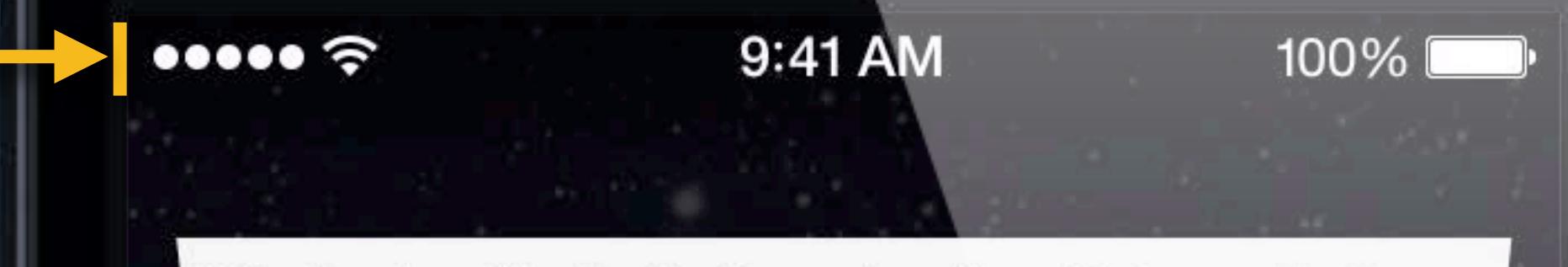
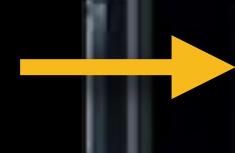


# Status Bar Styles

`UIStatusBarStyleDefault`



`UIStatusBarStyleLightContent`



~~`UIStatusBarStyleBlackTranslucent`~~

~~`UIStatusBarStyleBlackOpaque`~~

X

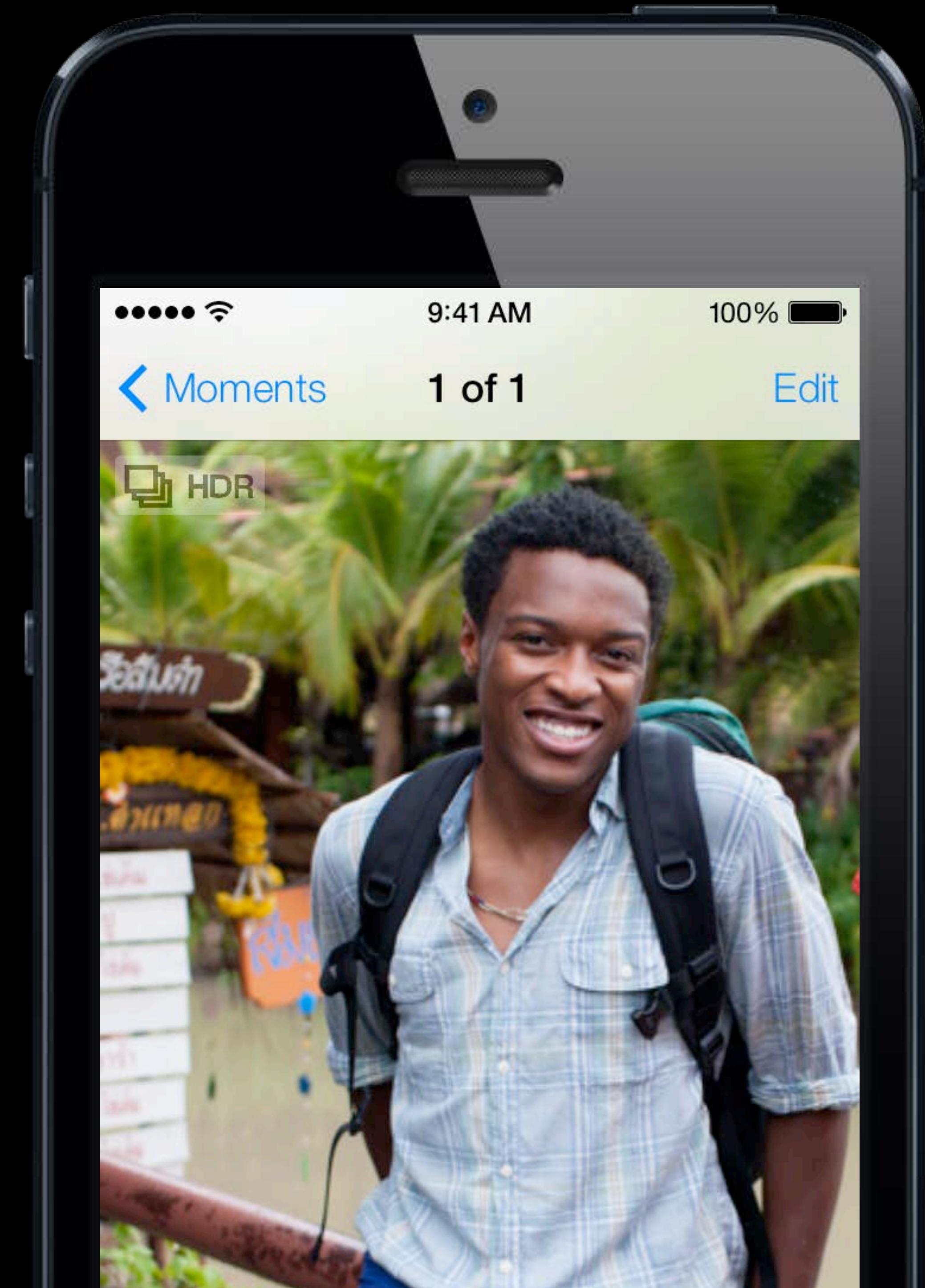
Apple



# Status Bar Styles

## Declarative specification API

```
@interface UIViewController
- (UIStatusBarStyle)preferredStatusBarStyle;
- (BOOL)prefersStatusBarHidden;
@end
```

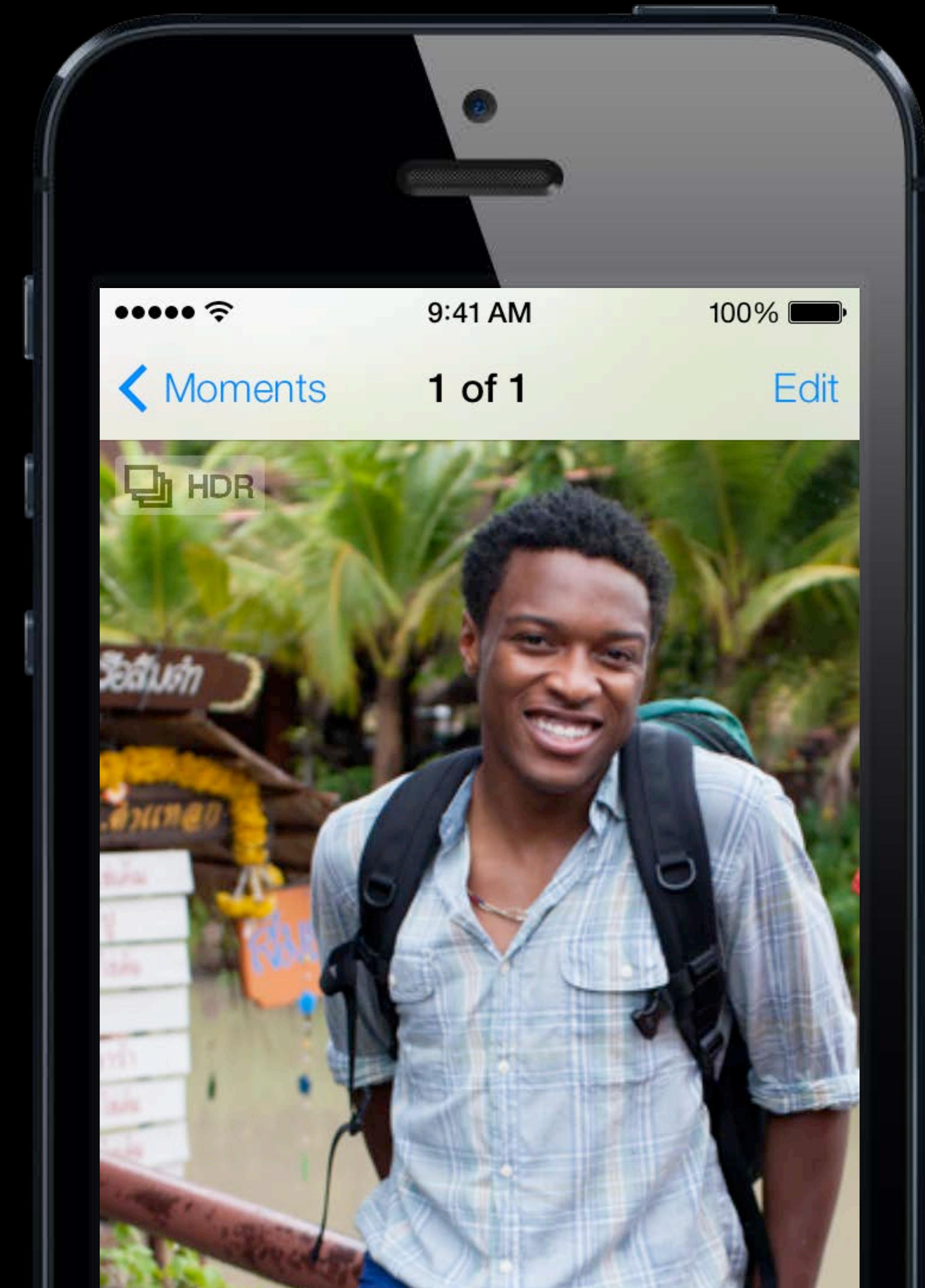


# Status Bar Styles

## Declarative specification API

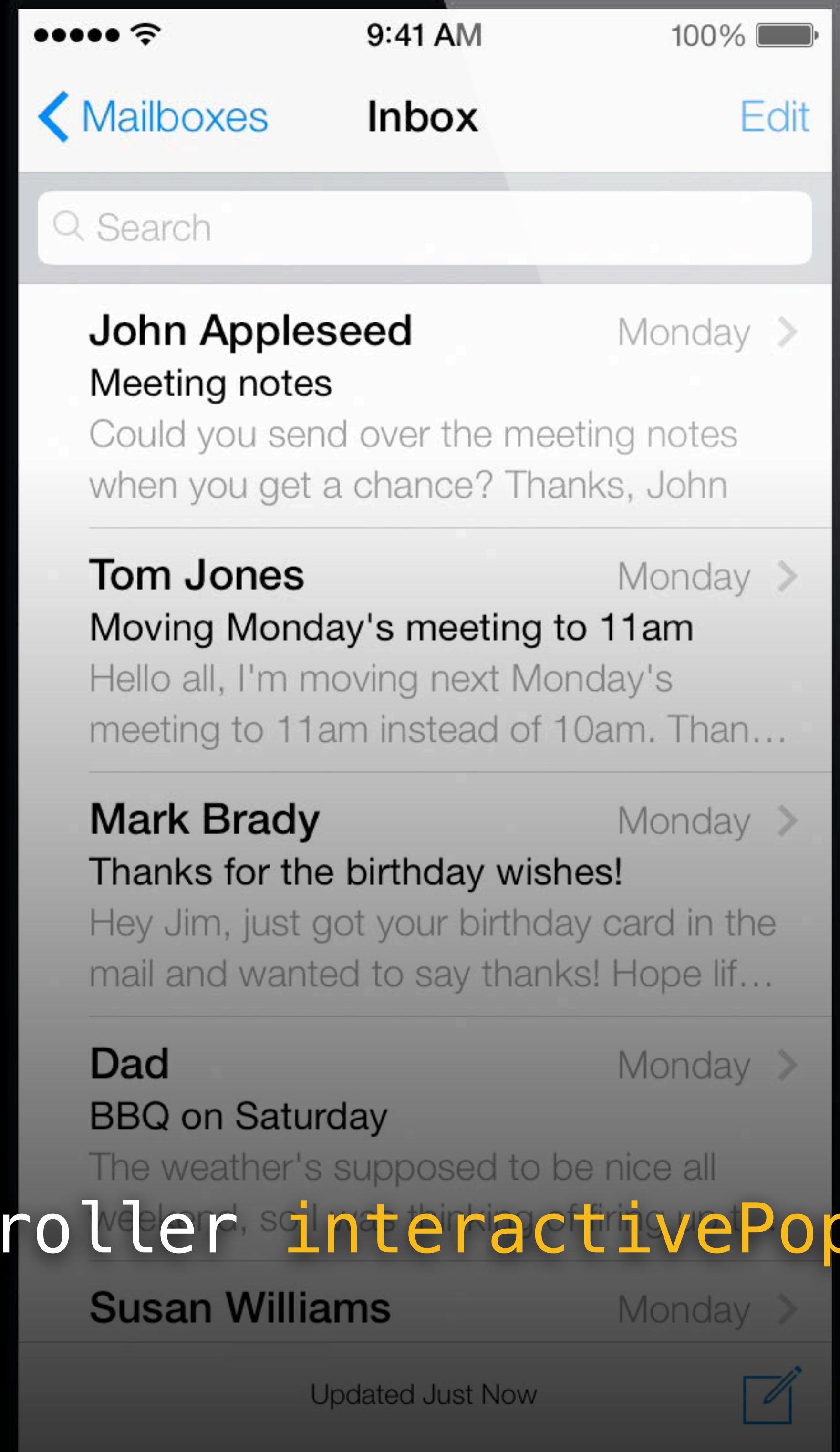
```
@interface UIViewController
- (UIStatusBarStyle)preferredStatusBarStyle;
- (BOOL)prefersStatusBarHidden;
@end
```

- Enabled via Info.plist key:  
**UIViewControllerBasedStatusBarAppearance**



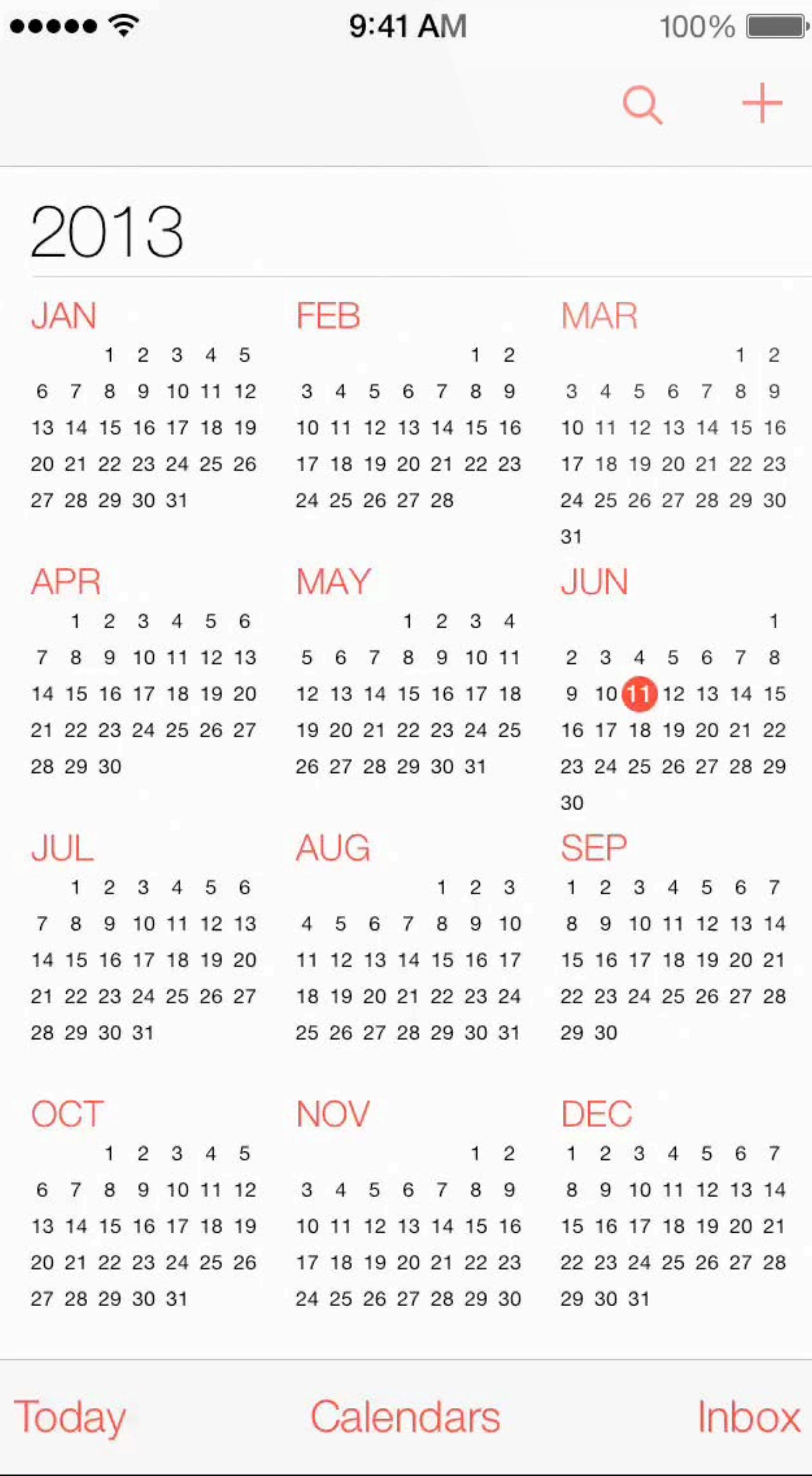


- ⌘ 9:41 AM 100% ⚡
- < Mailboxes **Inbox** Edit
- Q Search
- 
- John Appleseed** Monday >  
Meeting notes  
Could you send over the meeting notes when you get a chance? Thanks, John
- 
- Tom Jones** Monday >  
Moving Monday's meeting to 11am  
Hello all, I'm moving next Monday's meeting to 11am instead of 10am. Than...
- 
- Mark Brady** Monday >  
Thanks for the birthday wishes!  
Hey Jim, just got your birthday card in the mail and wanted to say thanks! Hope lif...
- 
- Dad** Monday >  
BBQ on Saturday  
The weather's supposed to be nice all weekend, so I was thinking of firing up t...
- 
- Susan Williams** Monday >
- Updated Just Now 

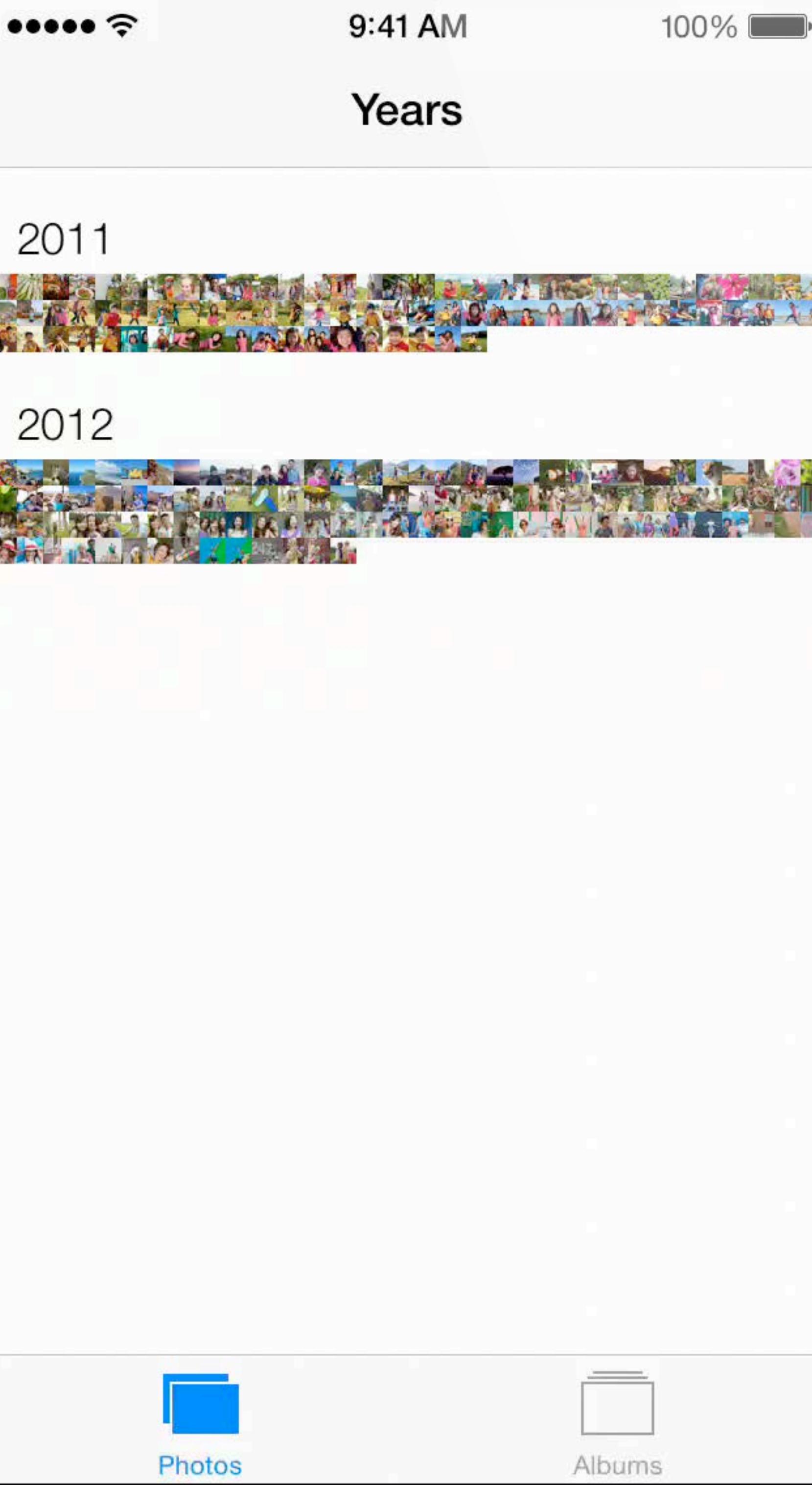


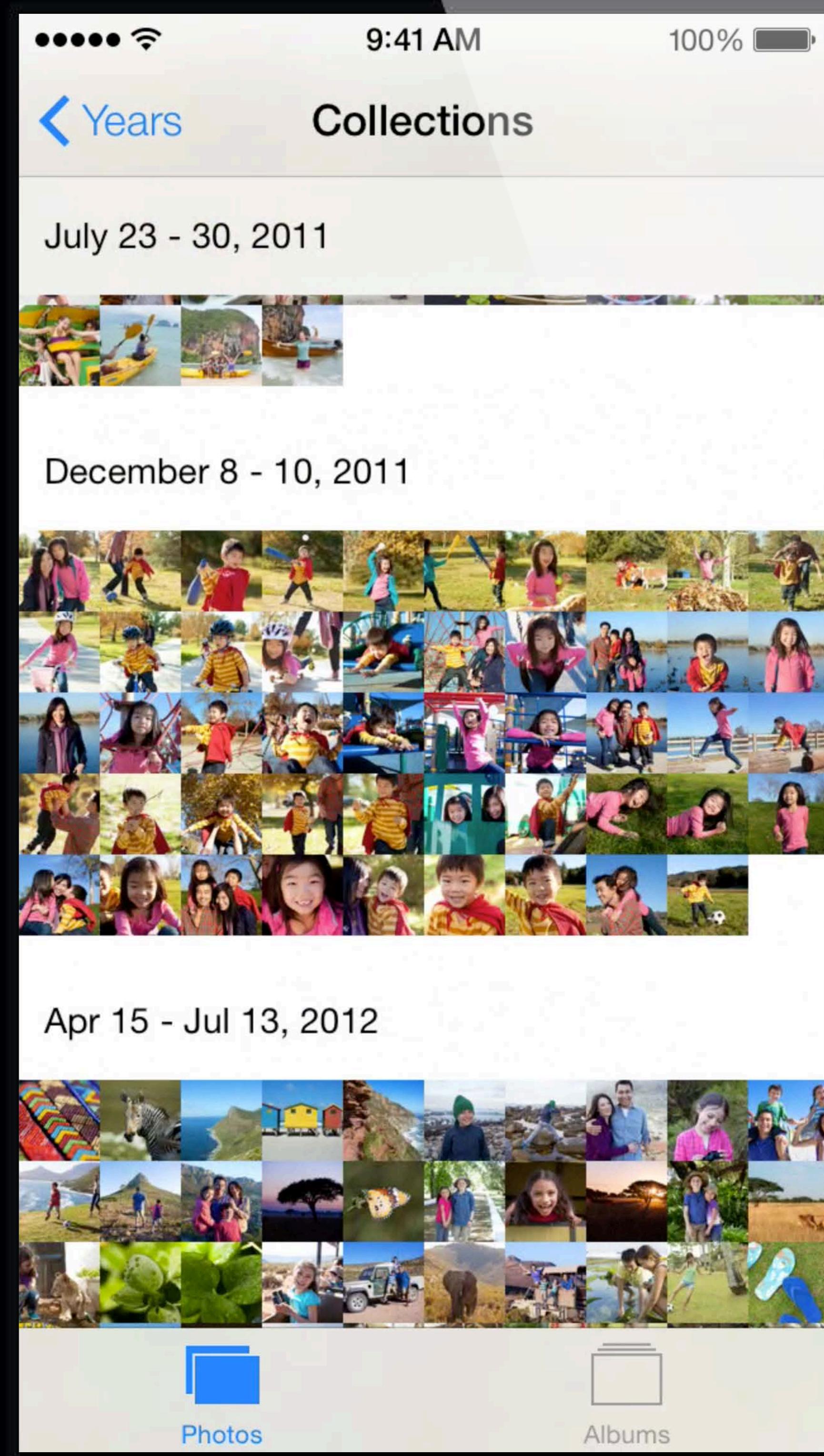
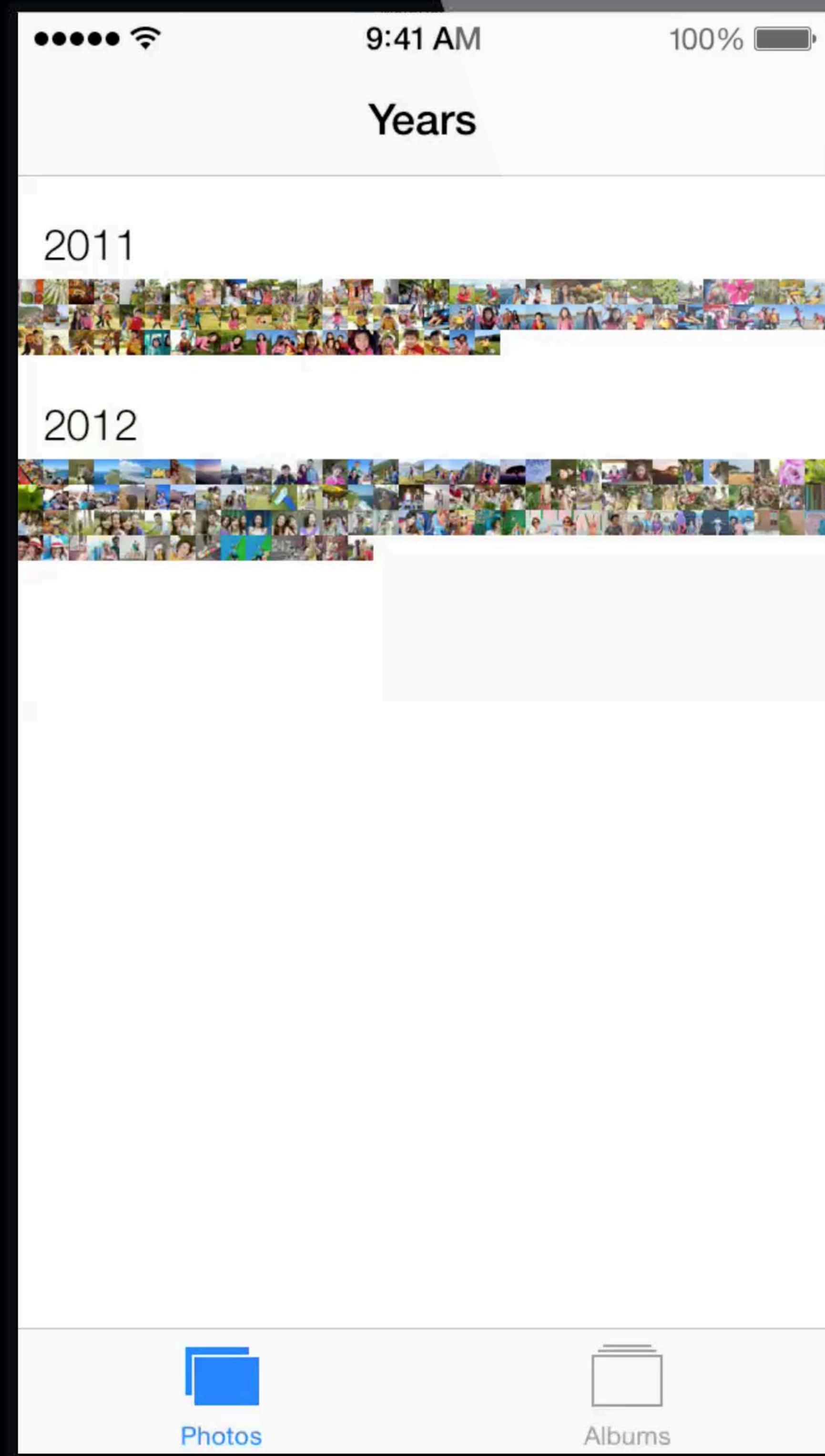
-[UINavigationController interactivePopGestureRecognizer]

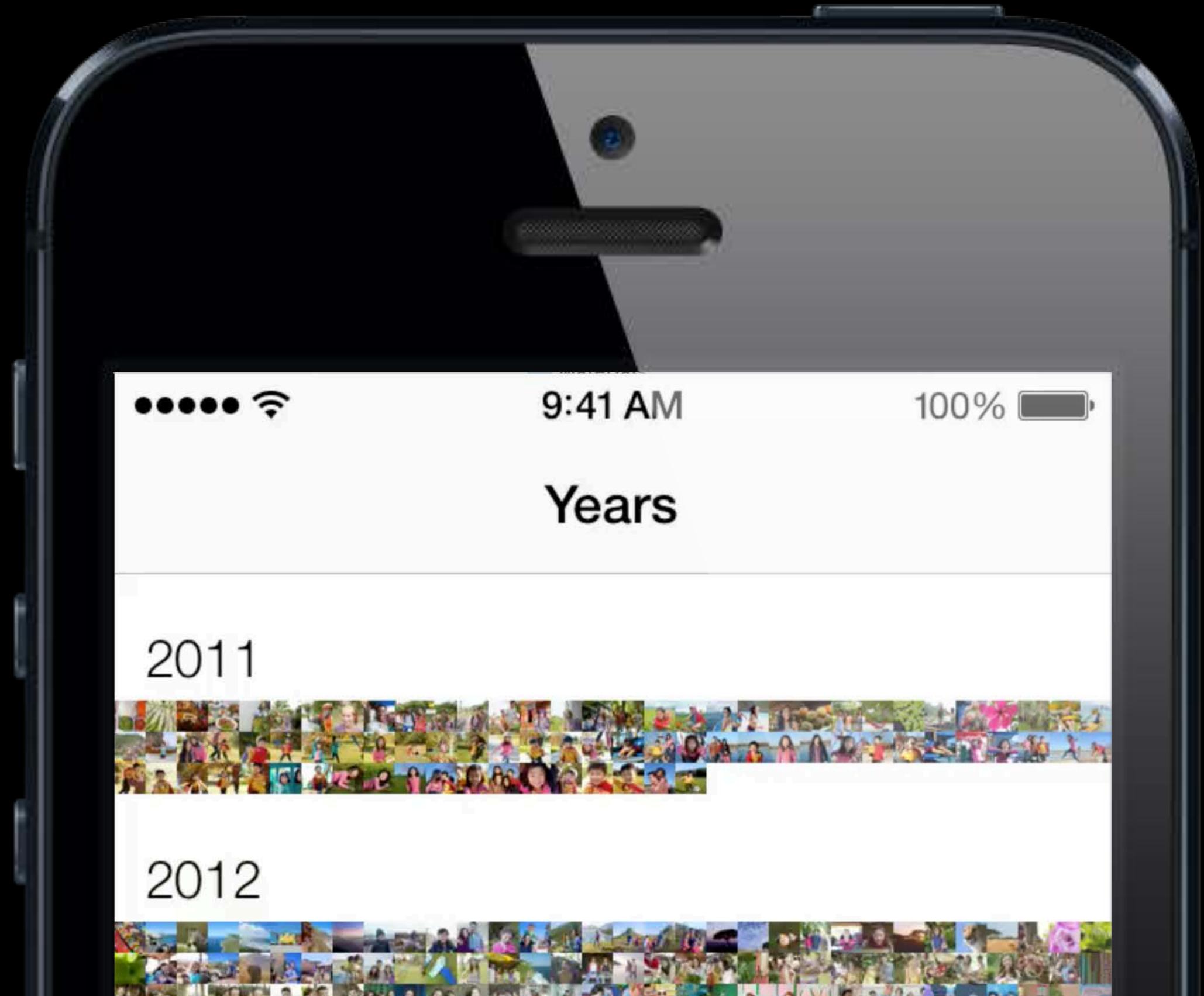


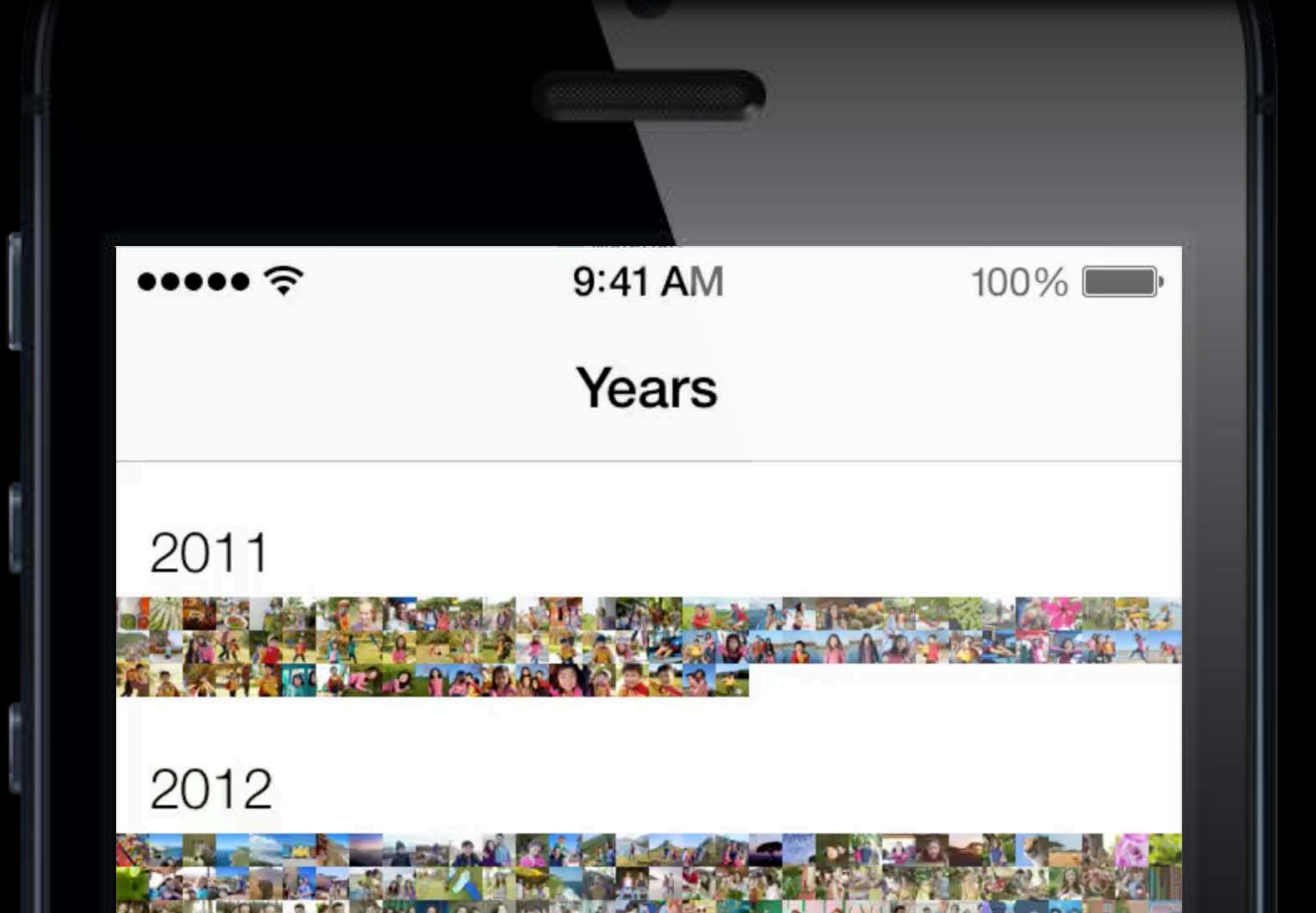
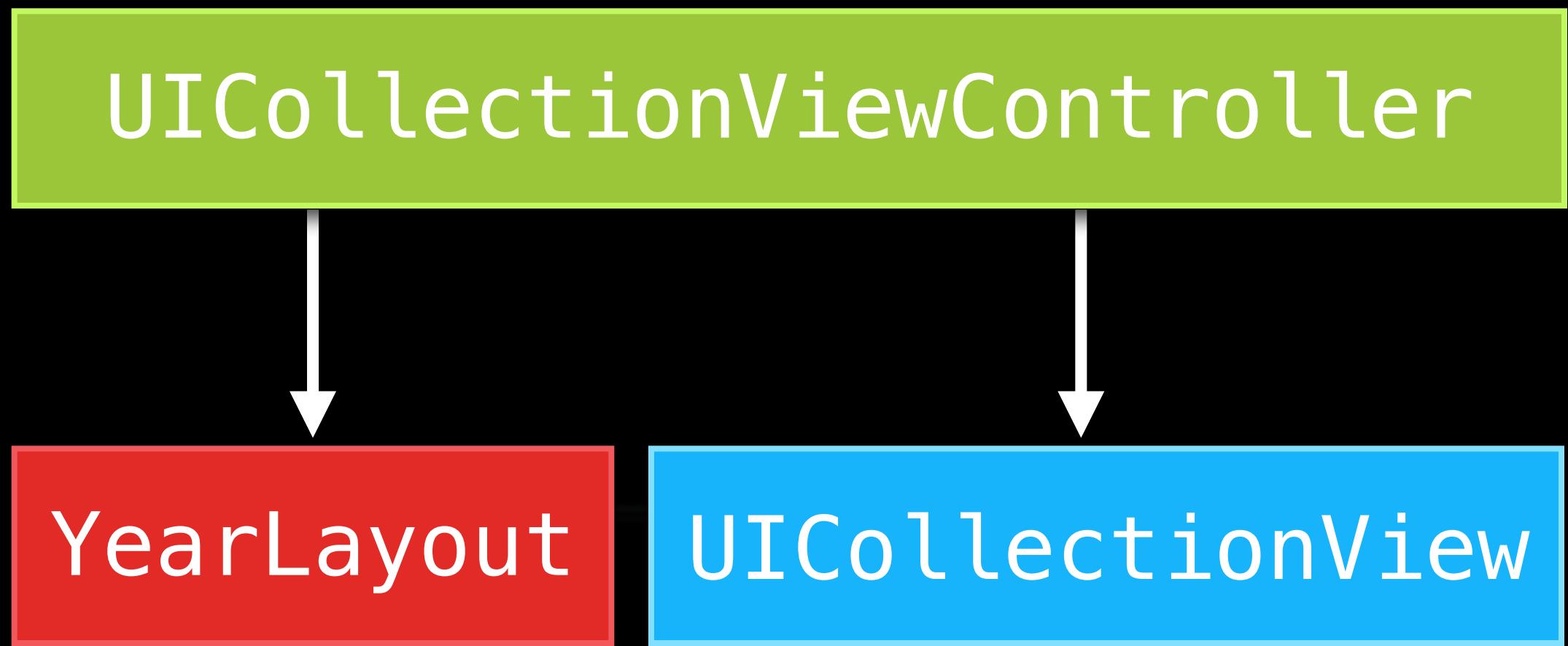


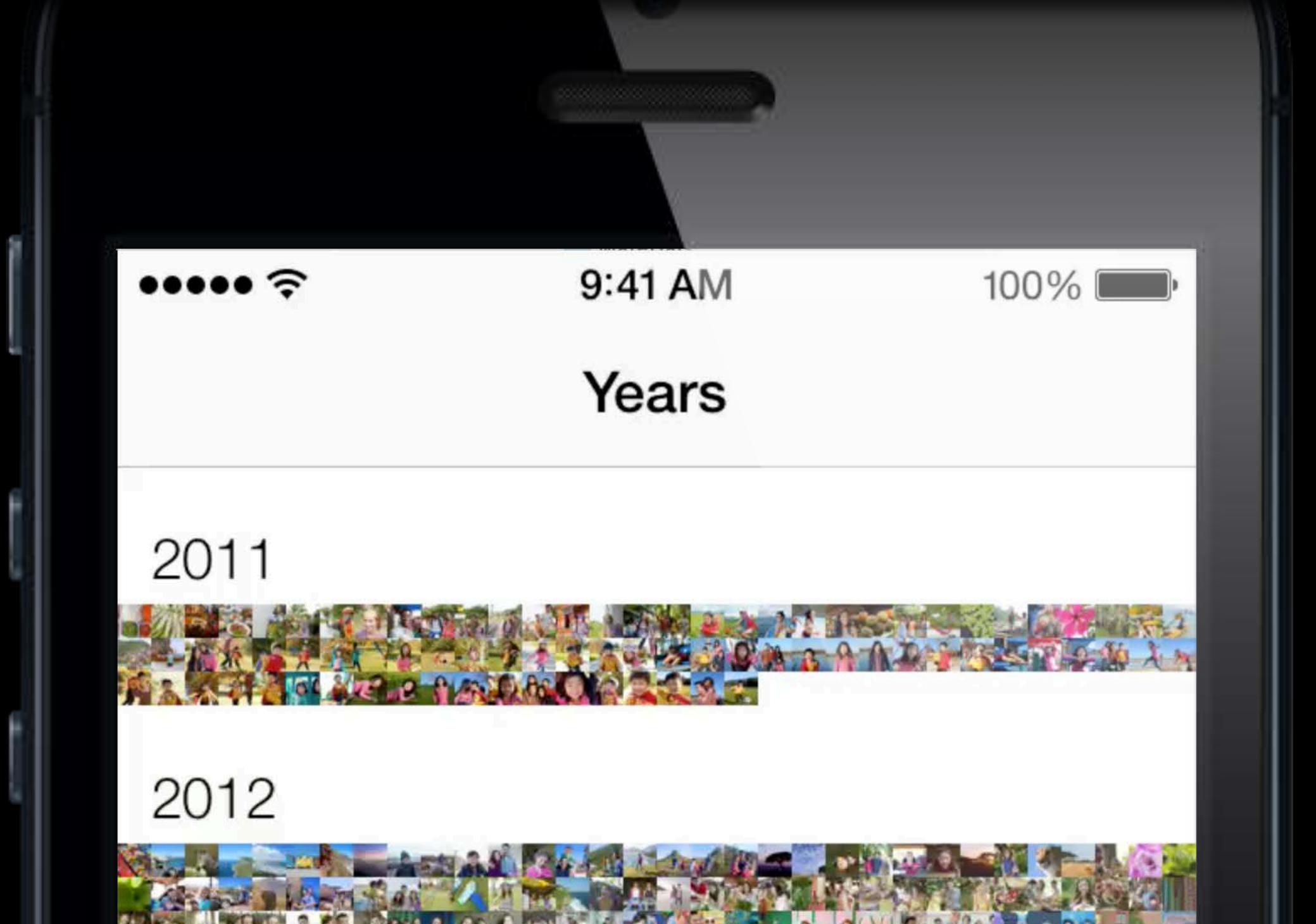
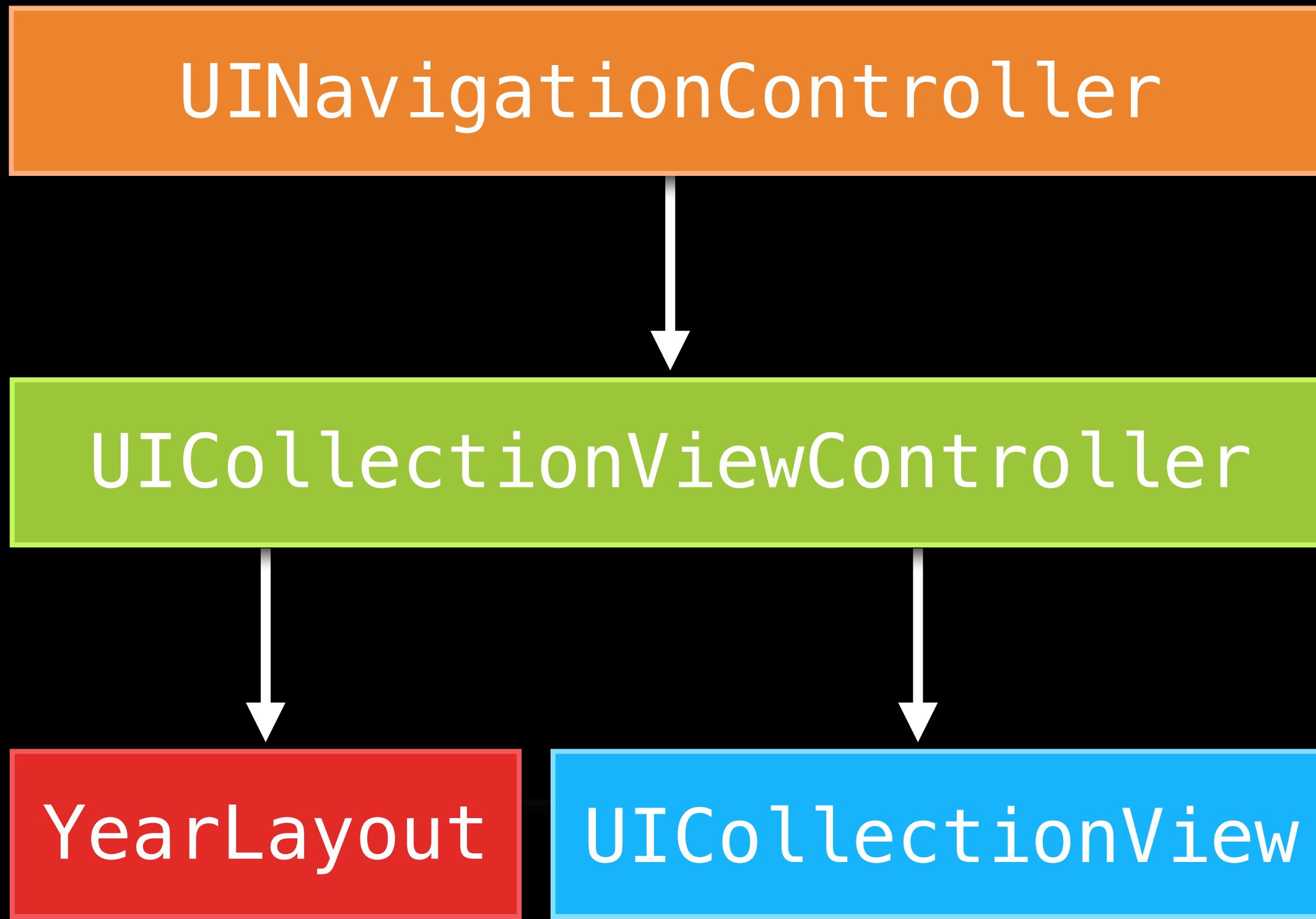


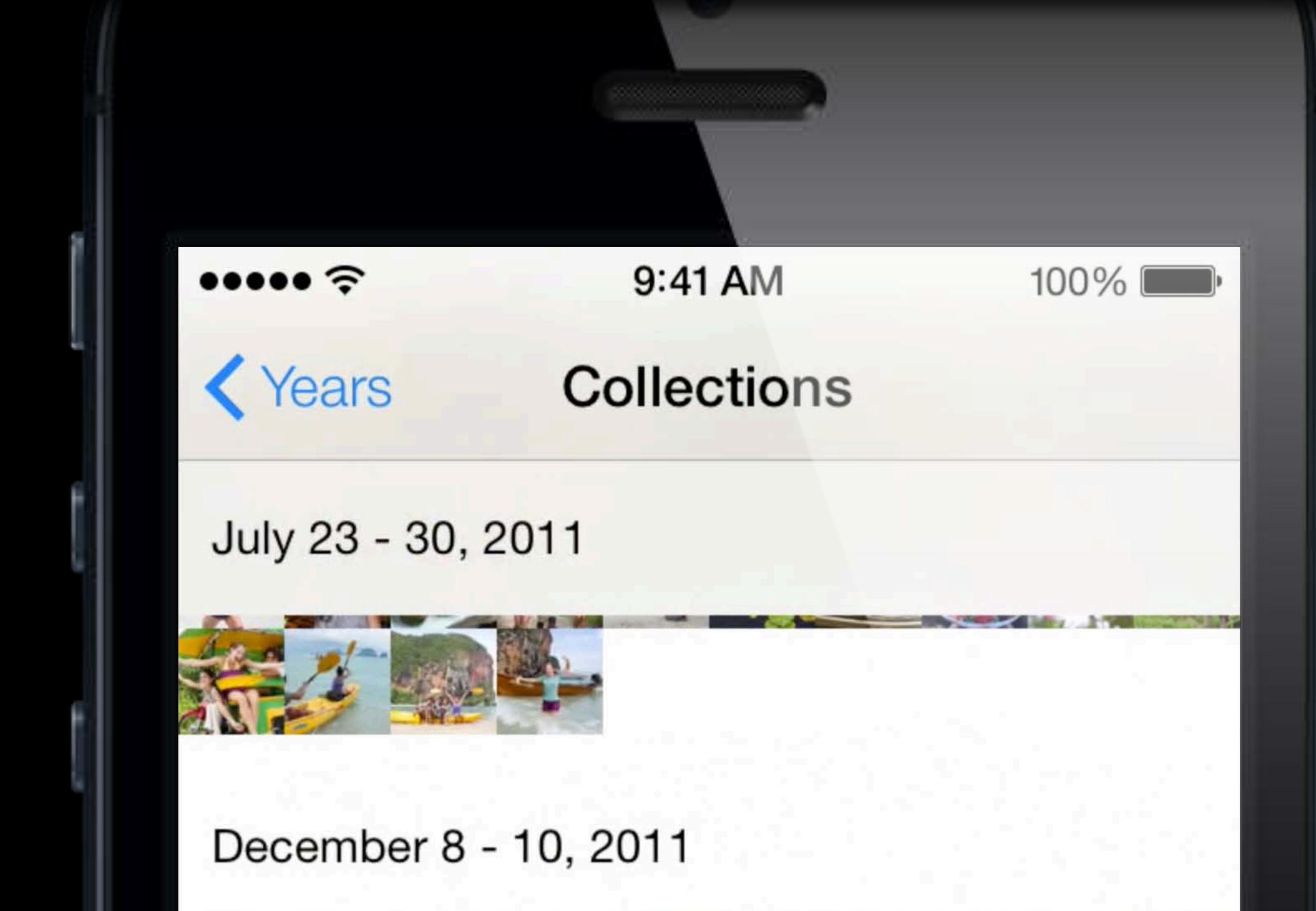
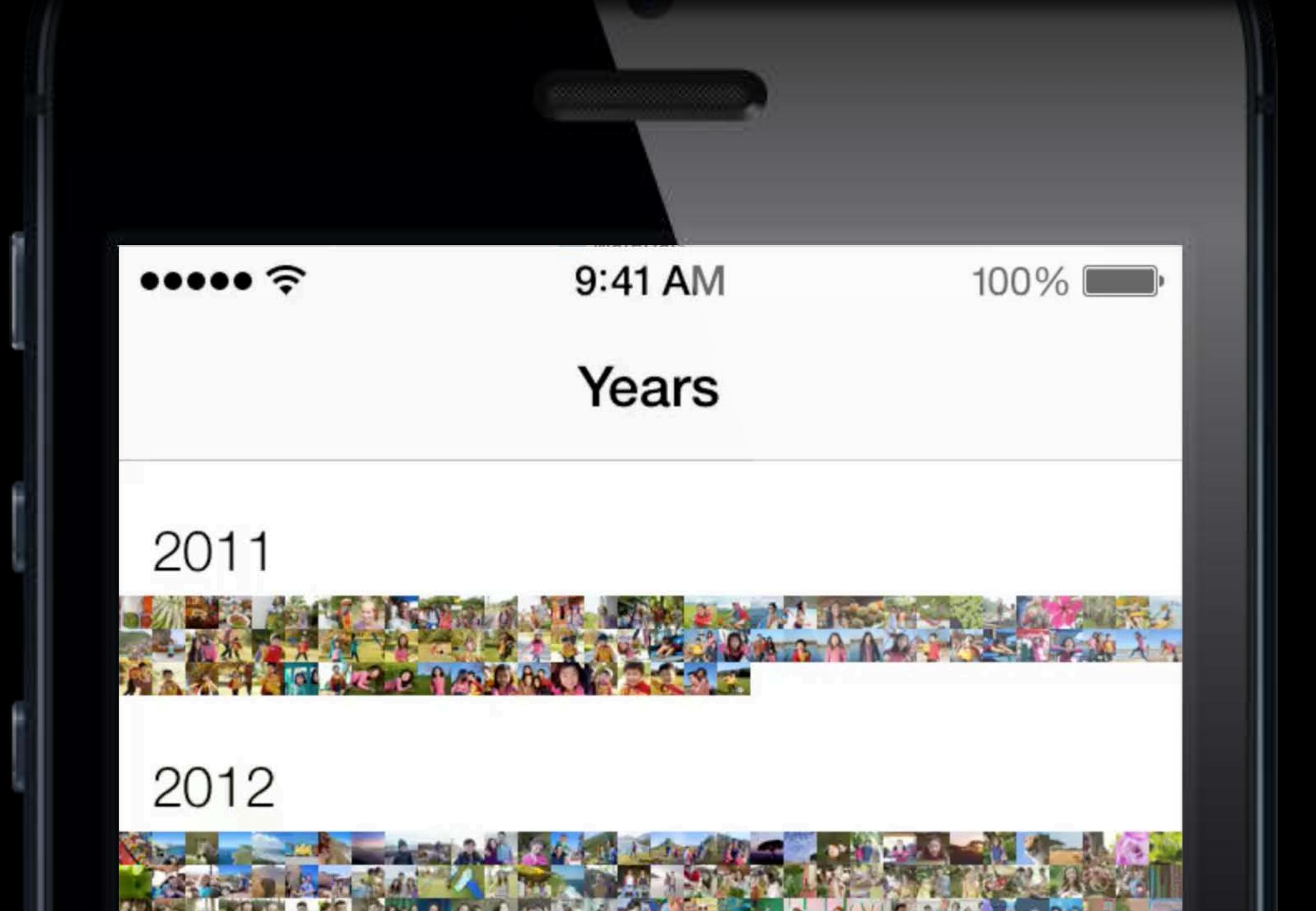
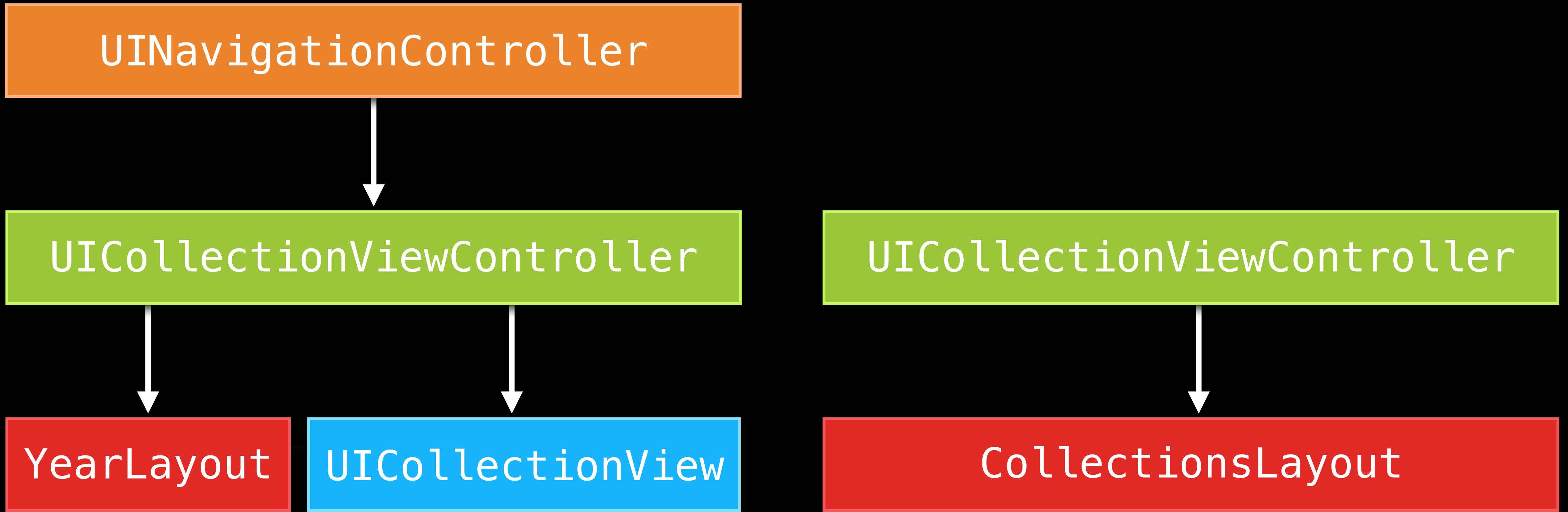








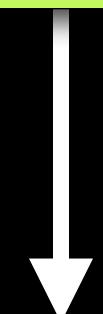




UINavigationController

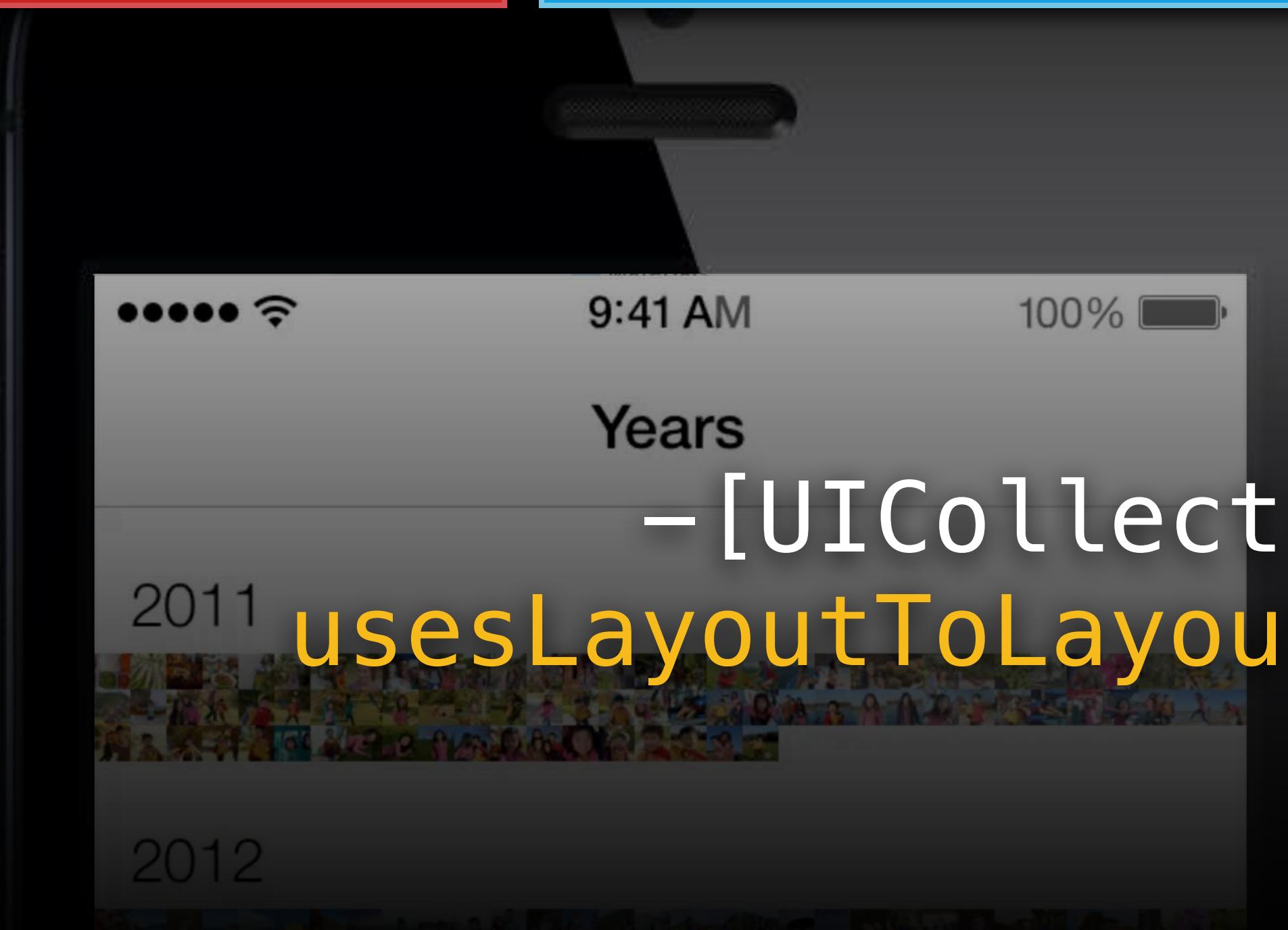


UICollectionViewController

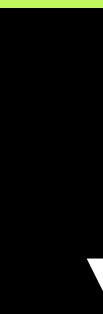


YearLayout

UICollectionViewView



UICollectionViewController



CollectionsLayout



- [UICollectionViewController  
usesLayoutToLayoutNavigationTransitions]

UINavigationController



UICollectionViewController



YearLayout

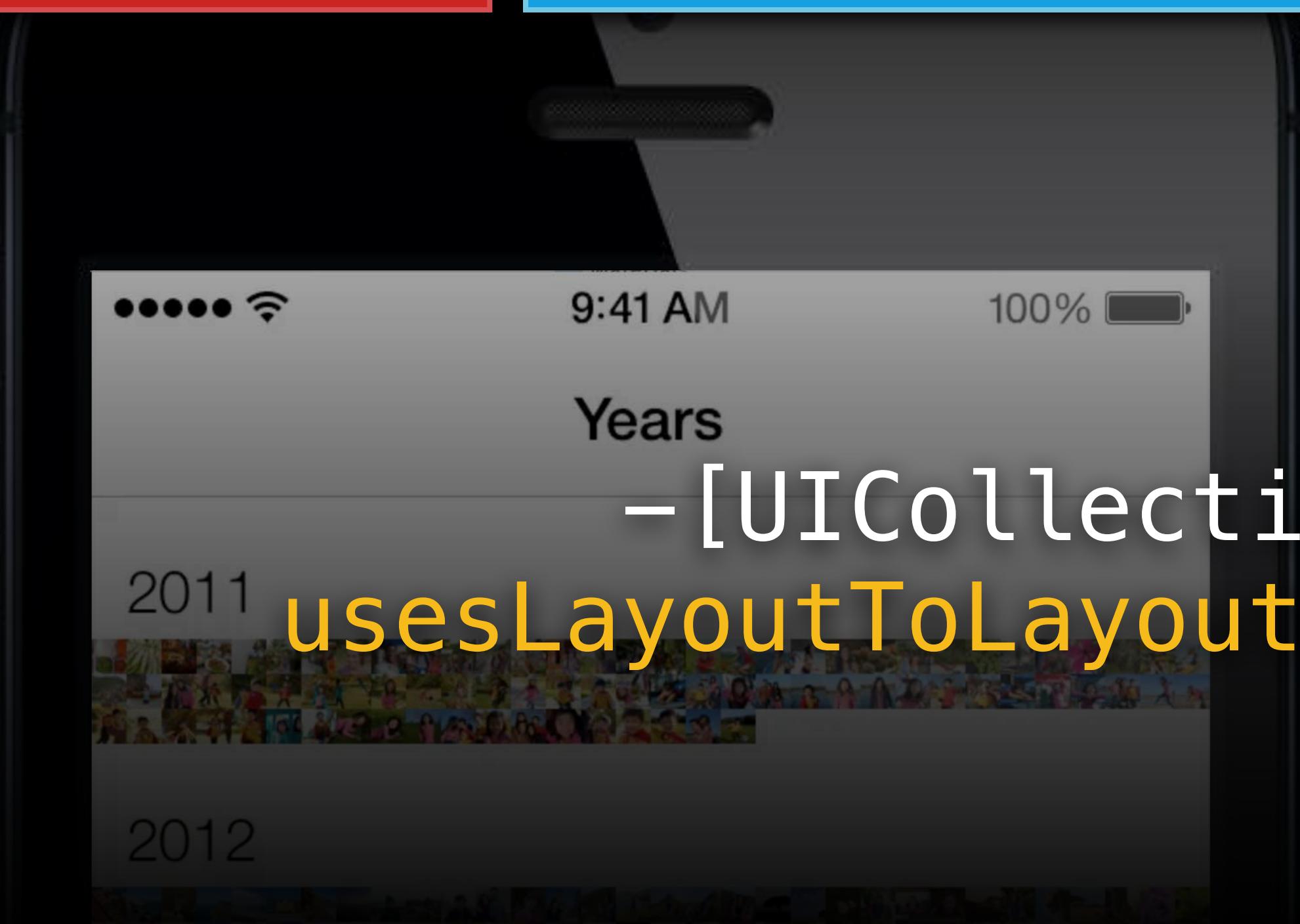


UICollectionView

UICollectionViewController



CollectionsLayout



•••• Wi-Fi 9:41 AM 100%  
Years  
– [UICollectionViewController  
usesLayoutToLayoutNavigationTransitions]



December 8 - 10, 2011

UINavigationController

UICollectionViewController

UICollectionViewController

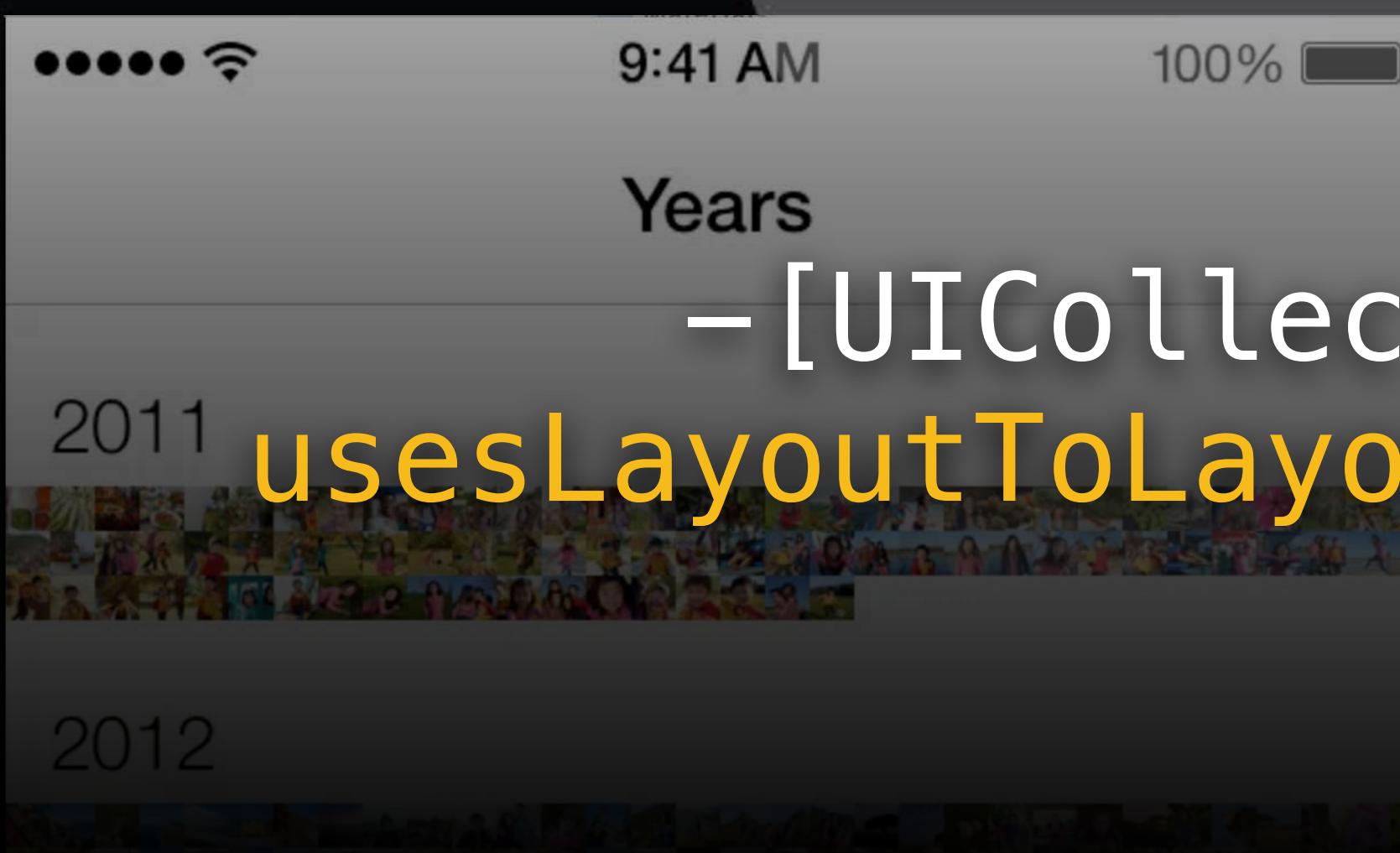
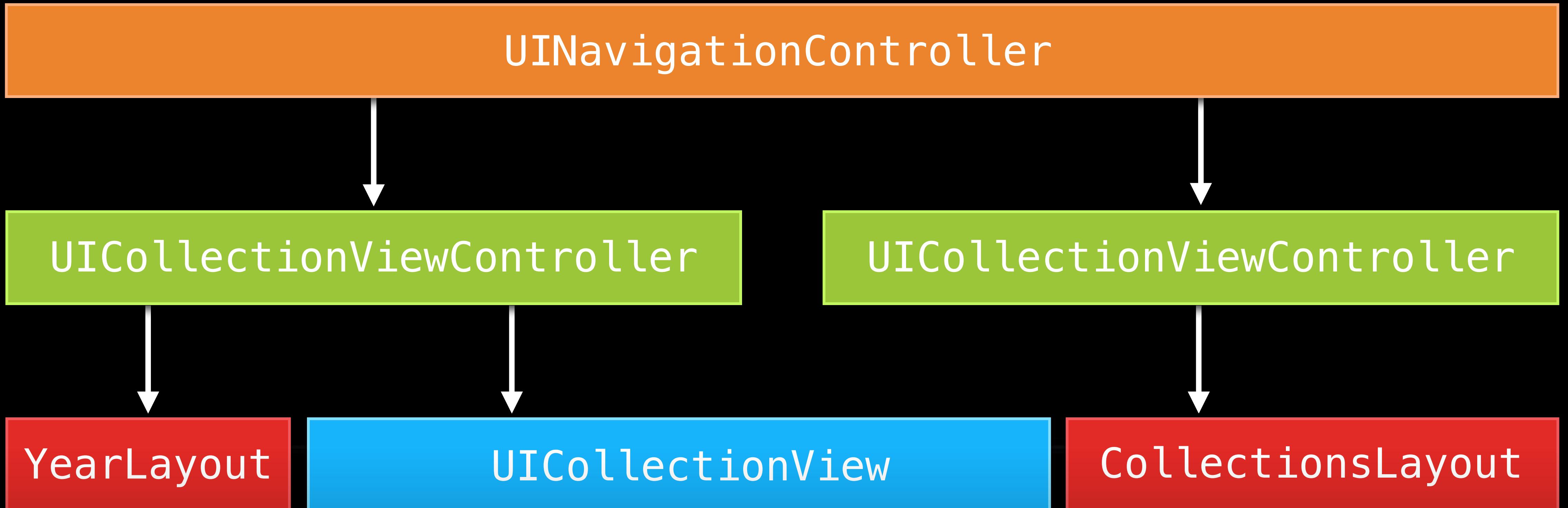
YearLayout

UICollectionView

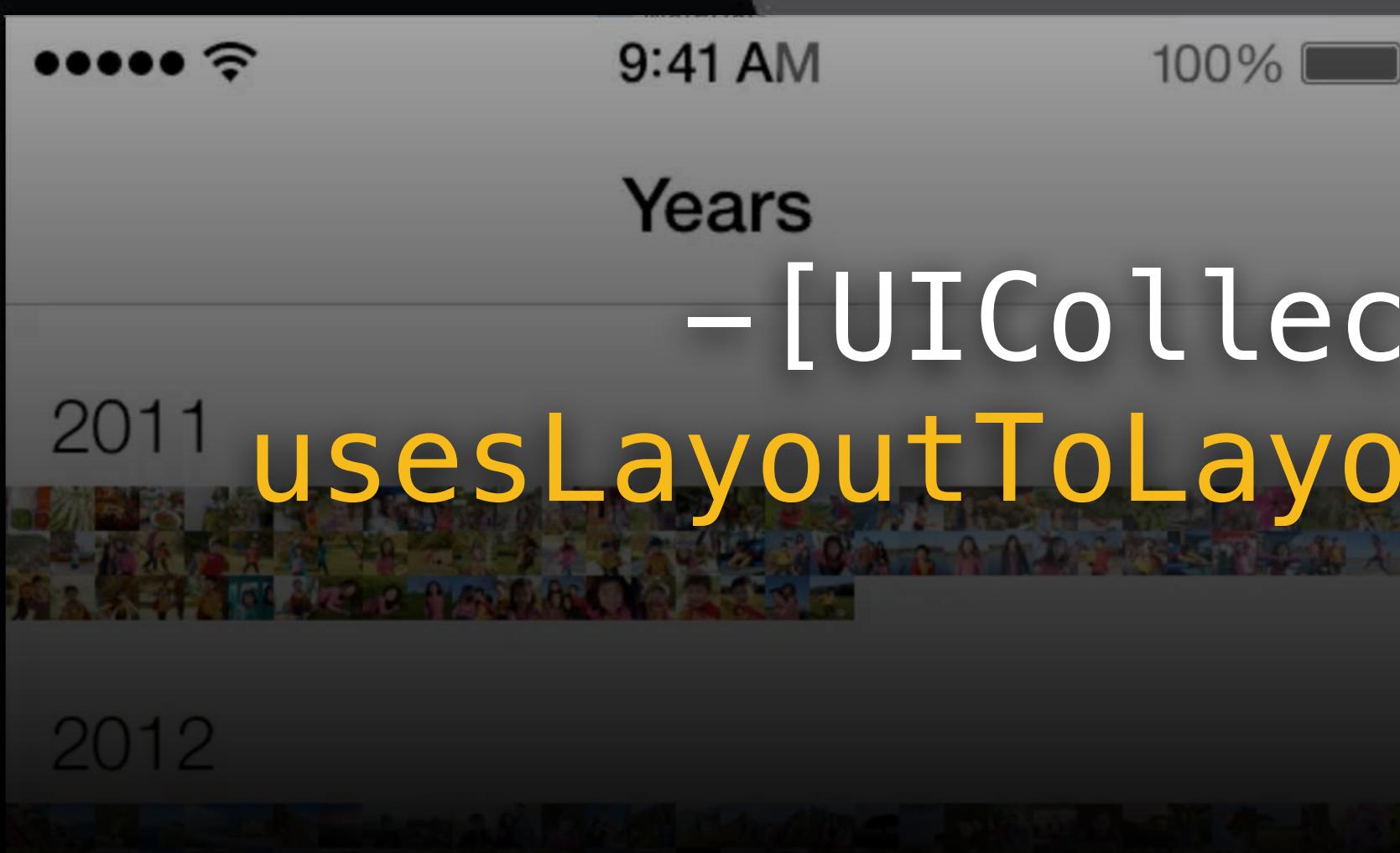
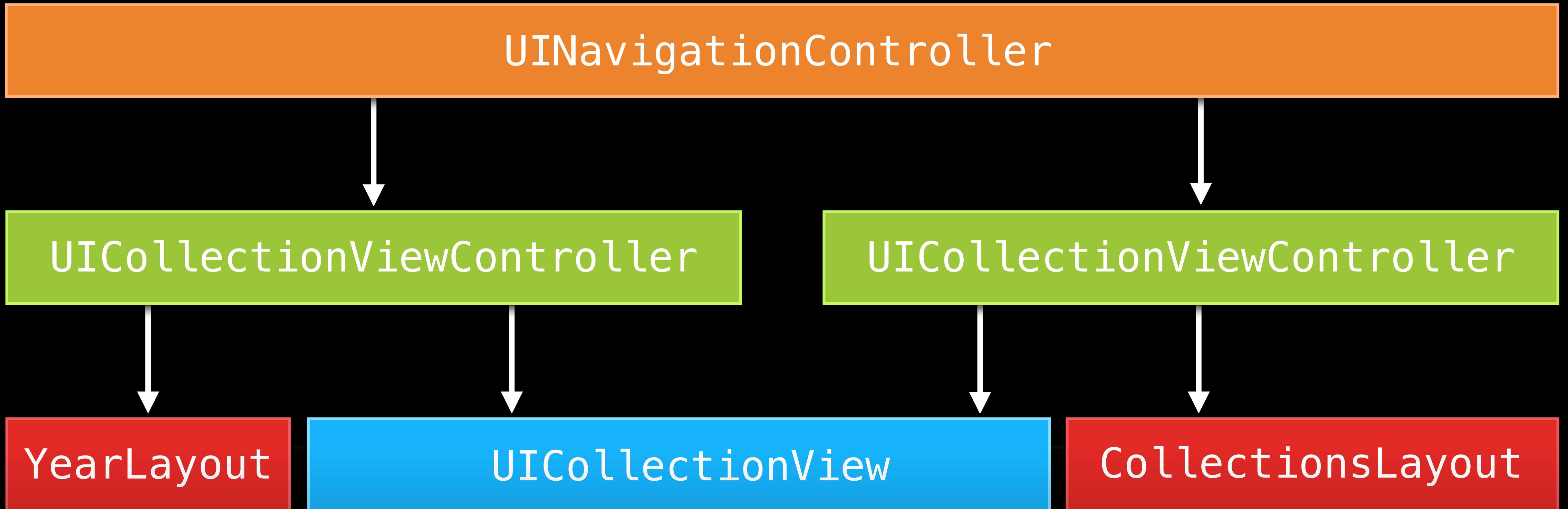
CollectionsLayout



- [UICollectionViewController  
usesLayoutToLayoutNavigationTransitions]



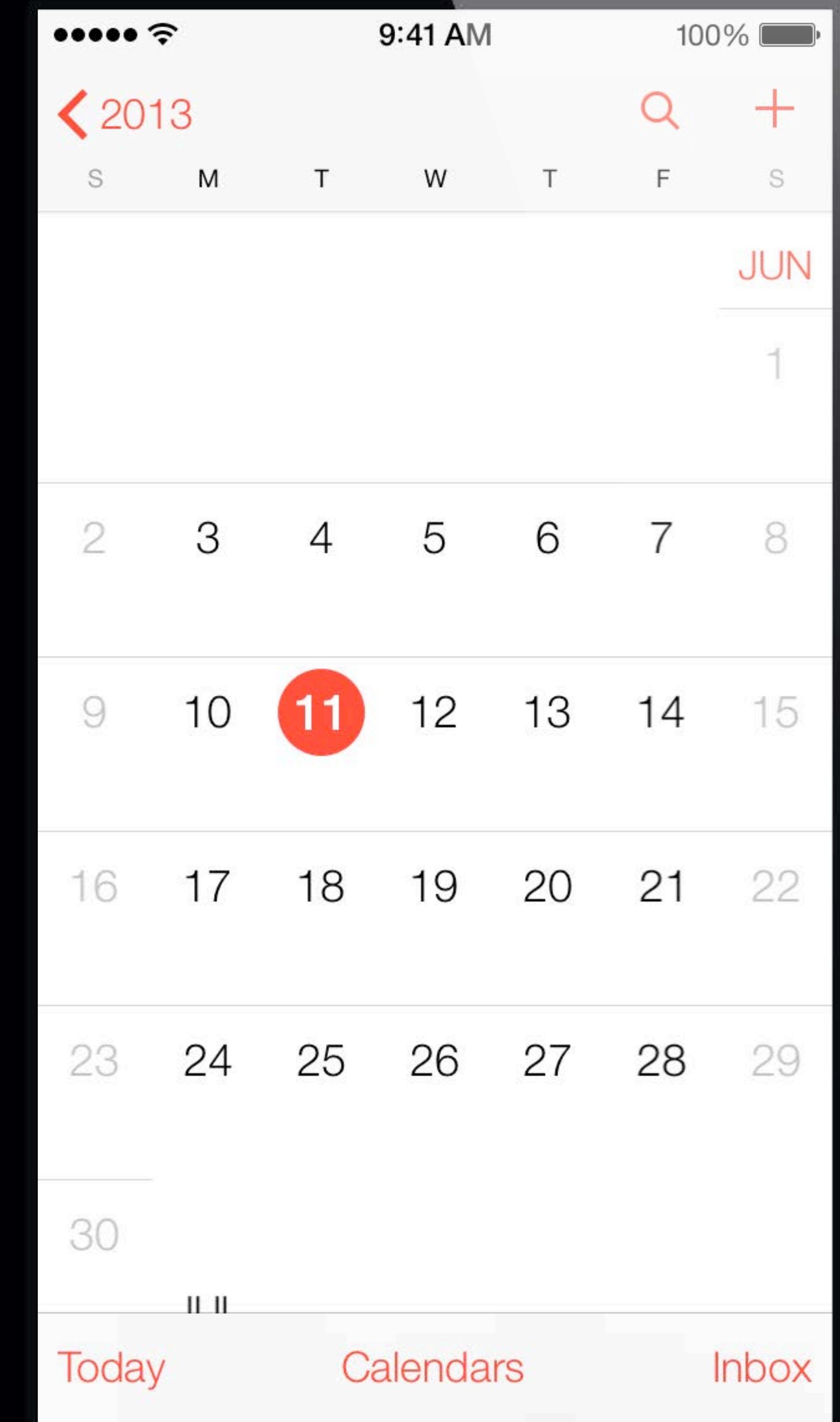
- [UICollectionViewController  
usesLayoutToLayoutNavigationTransitions]

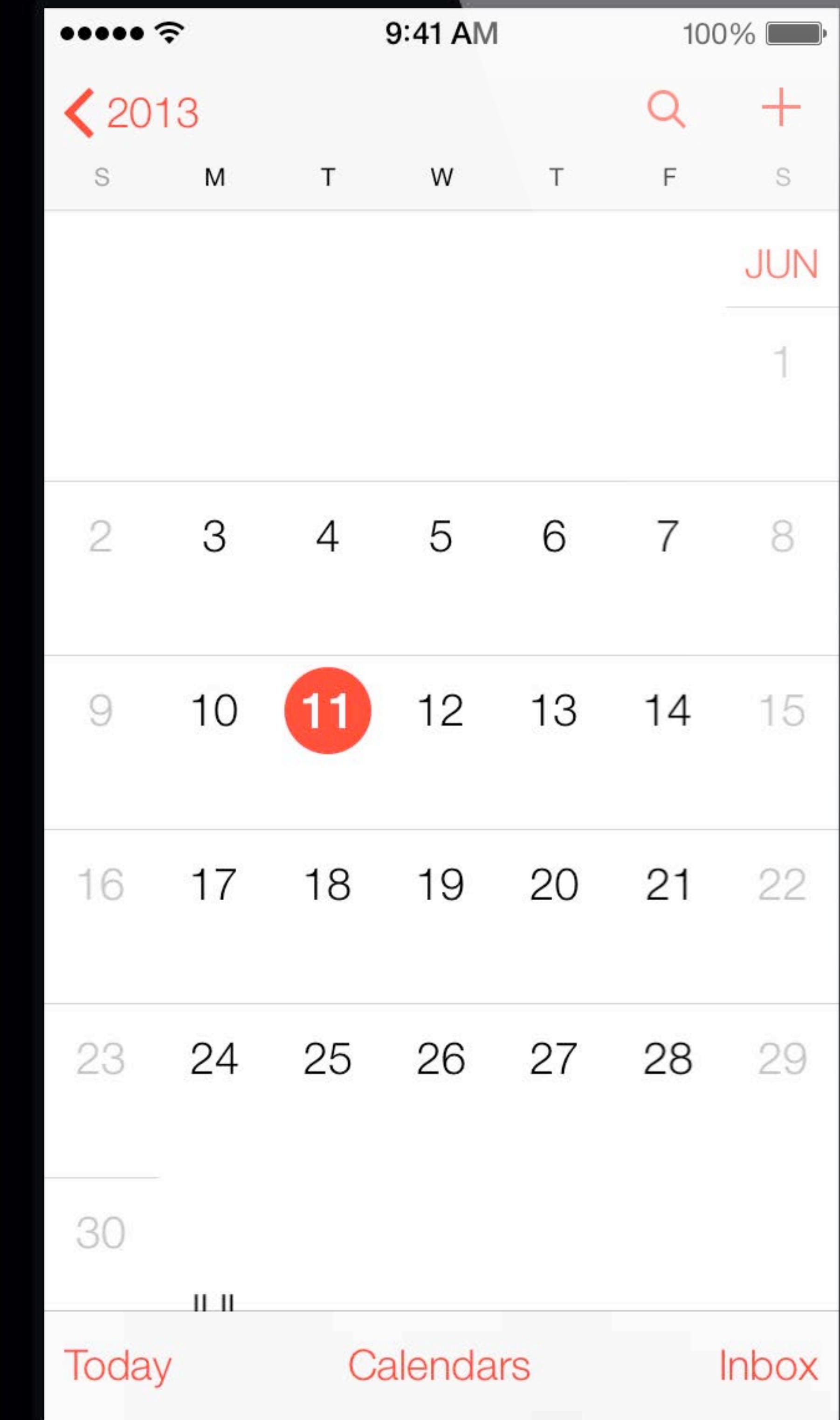


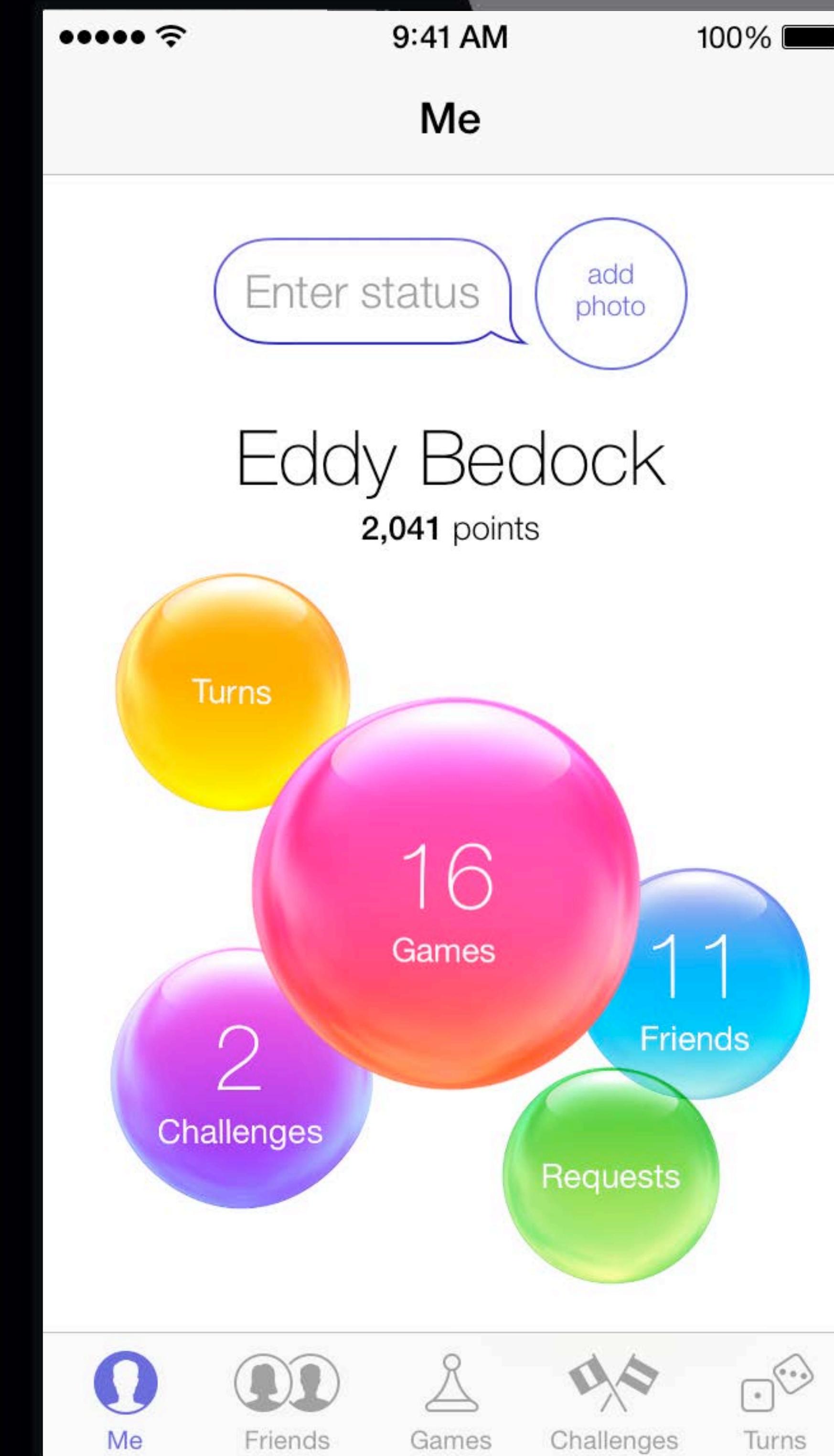
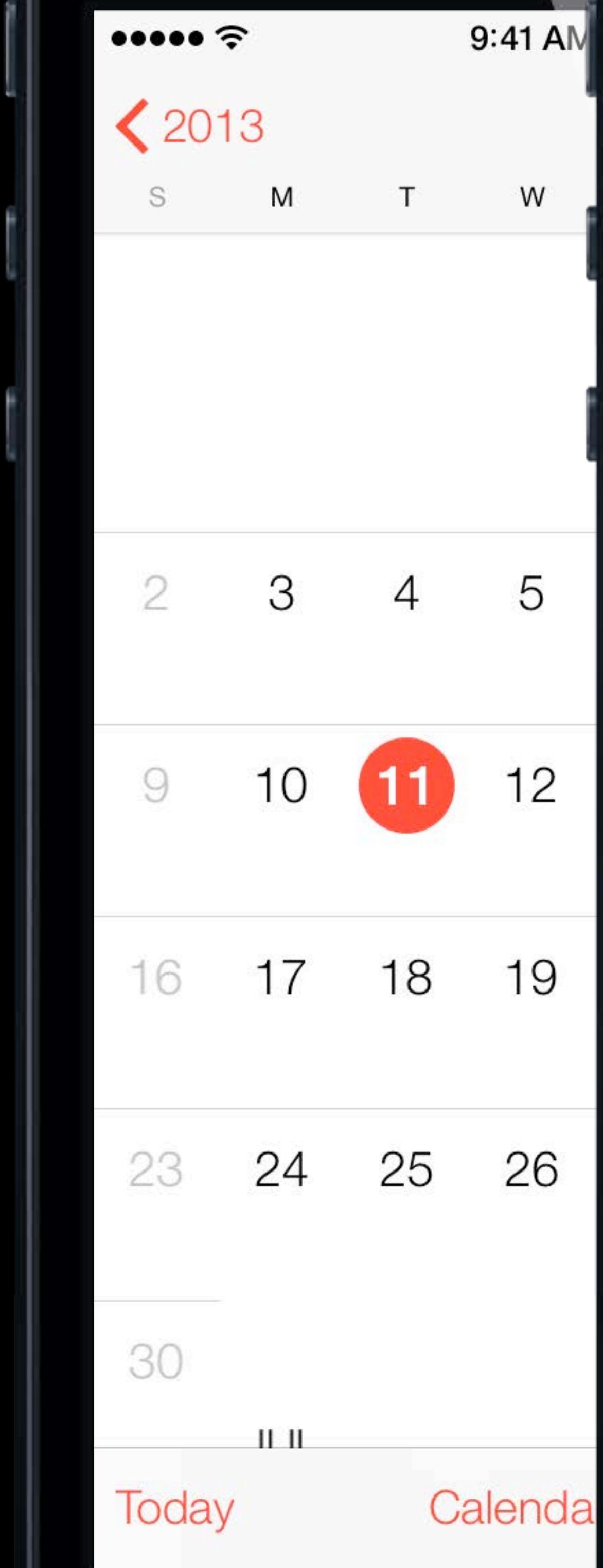
- [UICollectionViewController  
usesLayoutToLayoutNavigationTransitions]

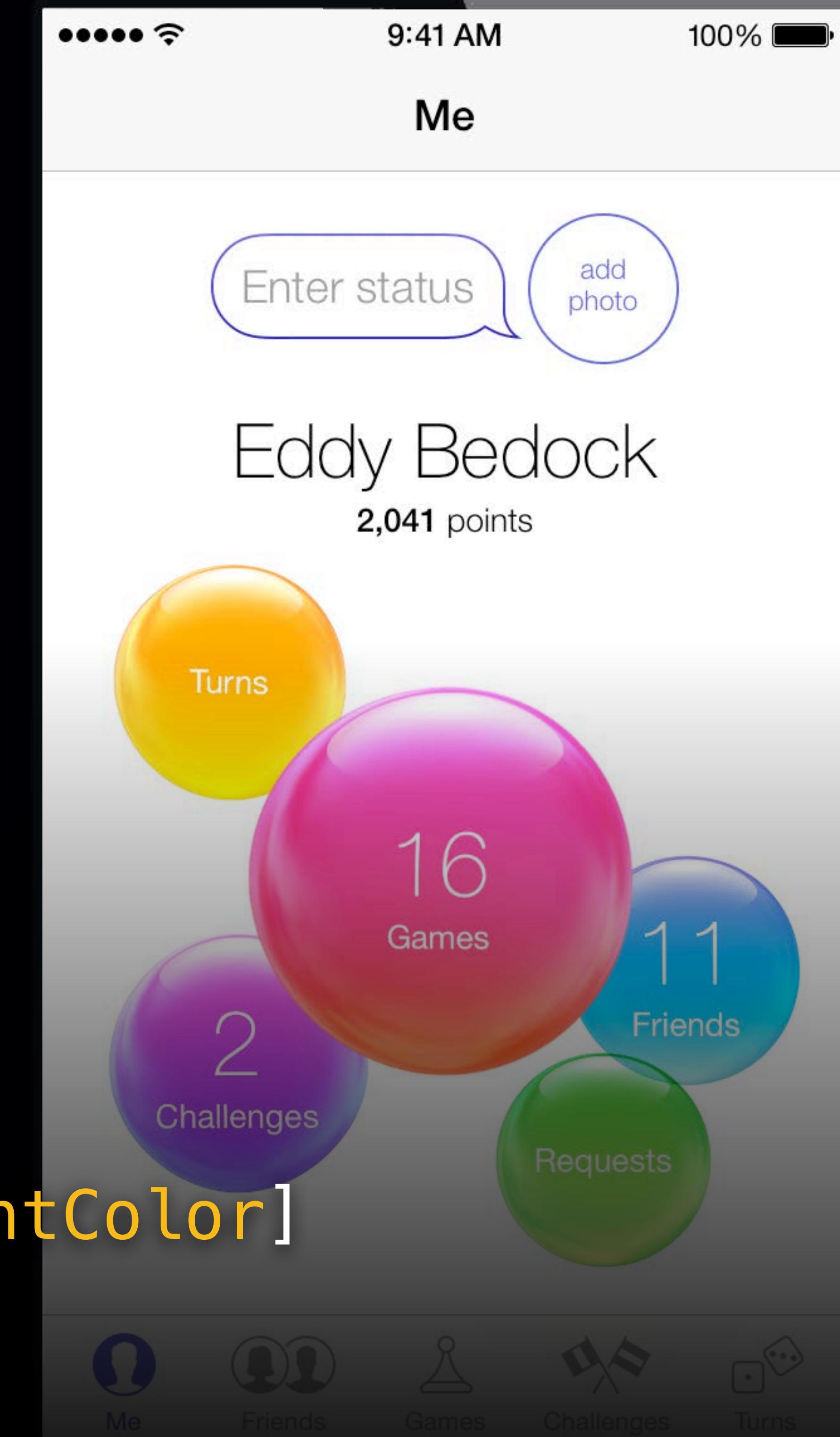
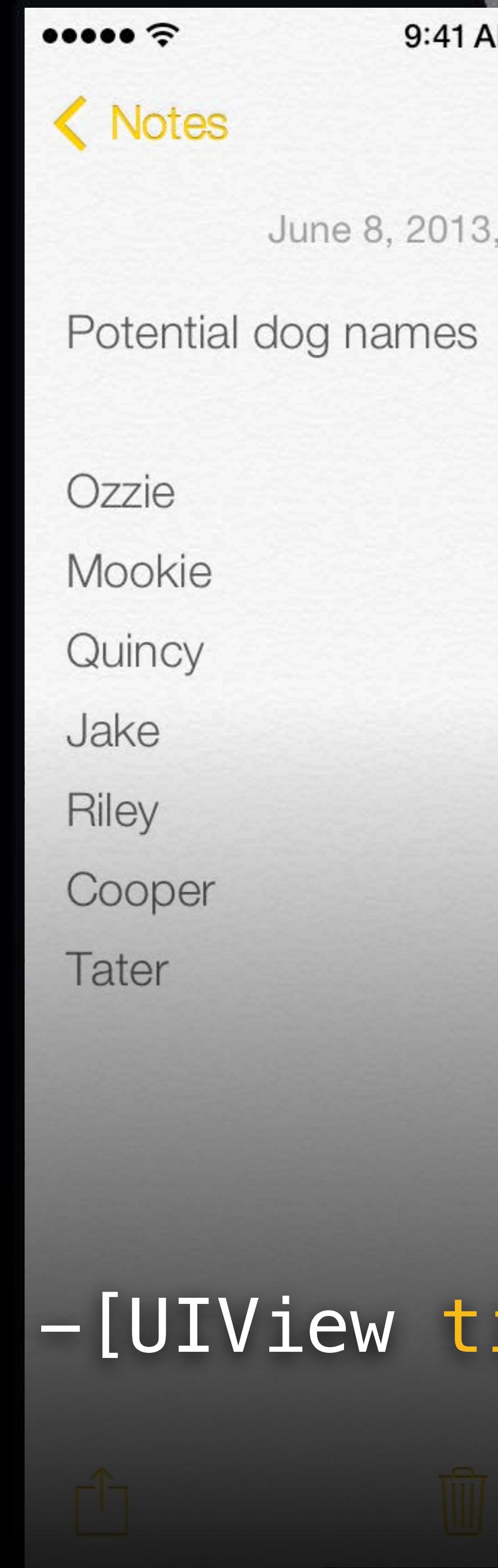
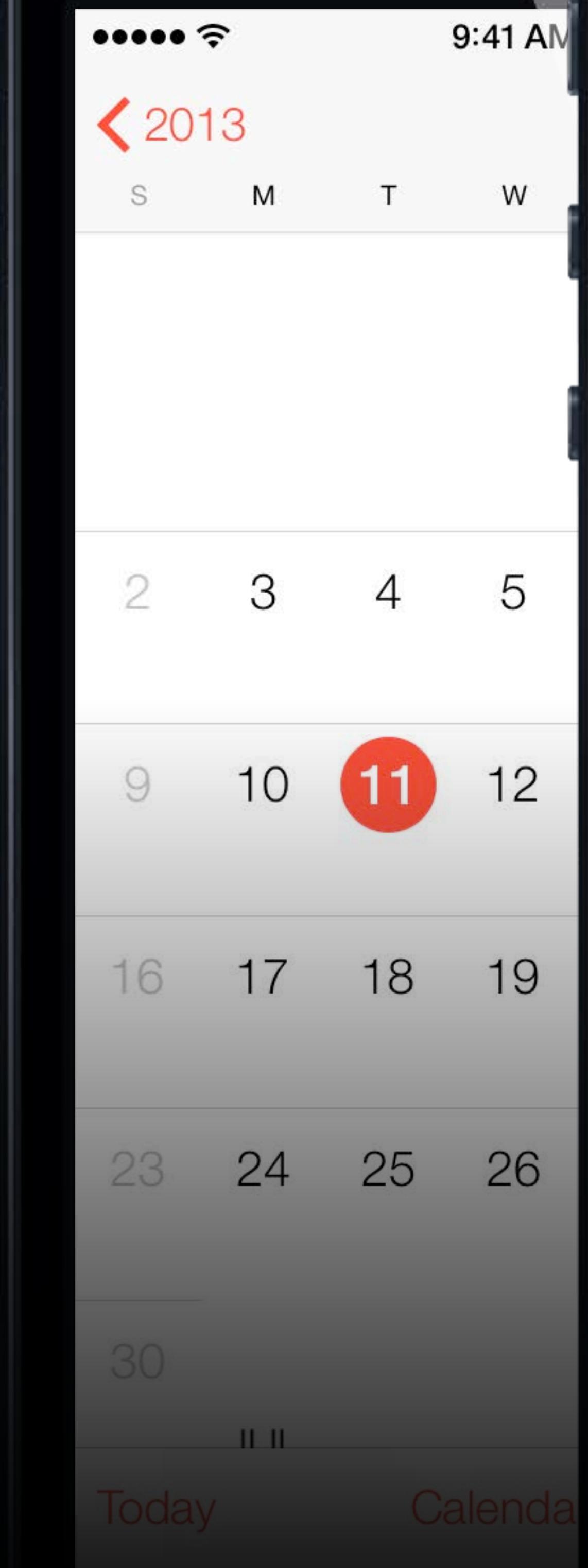
# Custom Transitions Using View Controllers

Pacific Heights  
Thursday 11:30AM









- [UIView tintColor]



9:41 AM

100%

## < Notes

June 8, 2013, 7:59 PM

Potential dog names

Ozzie

Mookie

Quincy

Jake

Riley

Cooper

Tater





9:41 AM

100%

## < Notes

June 8, 2013, 7:59 PM

Potential dog names

Ozzie

Mookie

Quincy

Jake

Riley

Cooper

Tater









- [UIView tintDidChange]

# Customizing Your App's Appearance for iOS 7

Presidio  
Wednesday 3:15PM

# Building User Interfaces for iOS 7

**Jason Beaver**  
iOS Apps and Frameworks

# Table Views



9:41 AM

100%

## All Contacts



Search

A

Eric Adams

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z  
#

Matthew Alexander

Beth Allen

Tom Anderson

John Appleseed

Annie Arnold

B

Mark Brady

Kyle Brown

Kelly Bush

C



9:41 AM

100%

## Settings

 Airplane Mode 

Wi-Fi AppleWiFi &gt;

Bluetooth On &gt;

Notification Center &gt;

Control Center &gt;

Do Not Disturb &gt;

General &gt;

Sounds &gt;

Brightness &amp; Wallpaper &gt;



9:41 AM

100%

## Settings

- Airplane Mode

- Wi-Fi AppleWiFi >

- Bluetooth On >

- Notification Center >

- Control Center >

- Do Not Disturb >

- General >

- Sounds >

- Brightness & Wallpaper >



Airplane Mode



Wi-Fi

AppleWiFi >



Bluetooth

On >



Notification Center



Control Center



Do Not Disturb



General



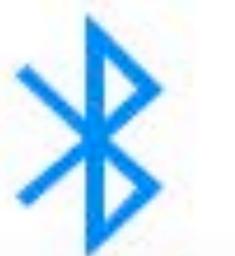


Airplane Mode



Wi-Fi

AppleWiFi >



Bluetooth

On >



Notification Center



Control Center



Do Not Disturb



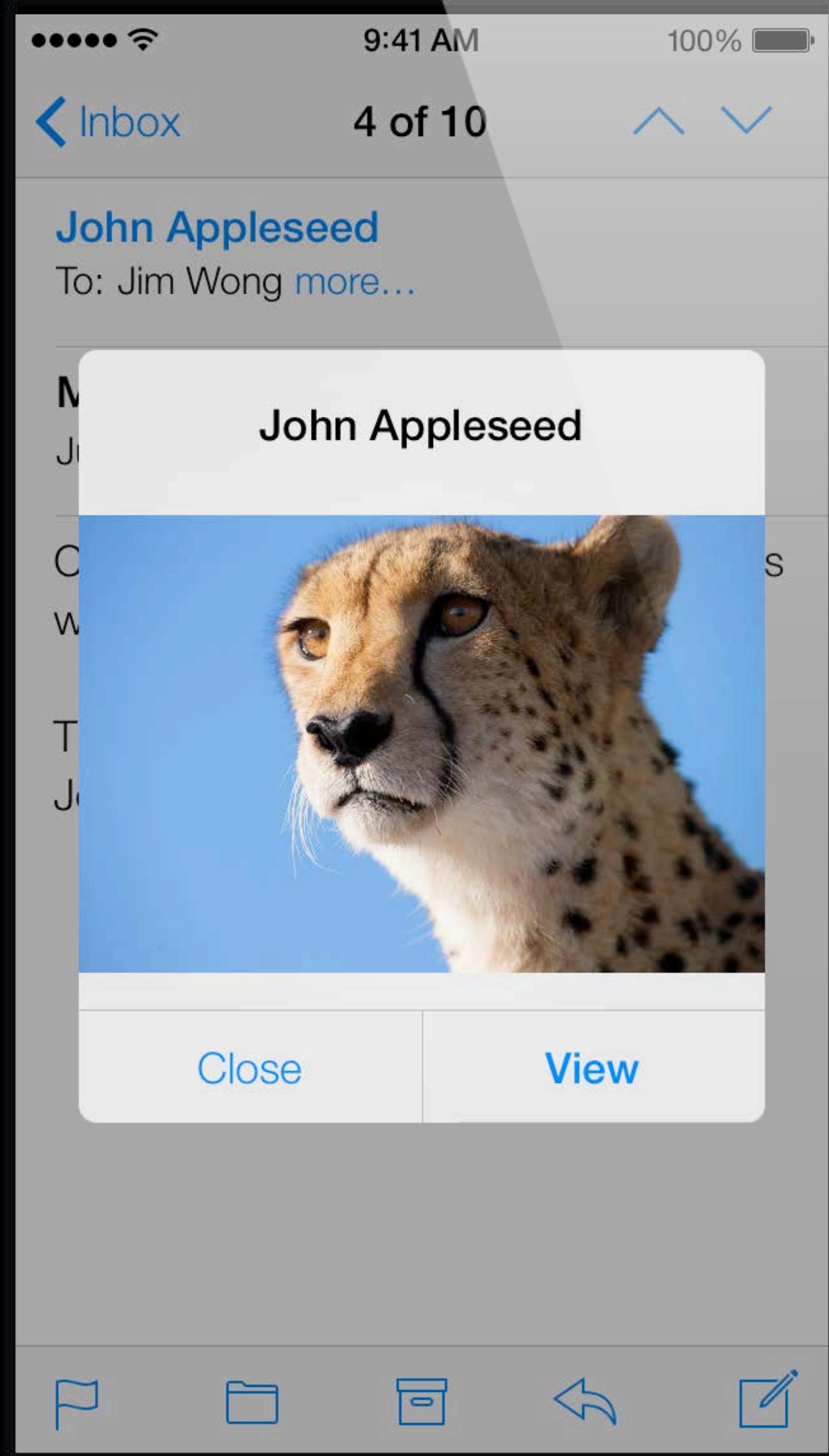
-[UITableViewCell **separatorInset**]



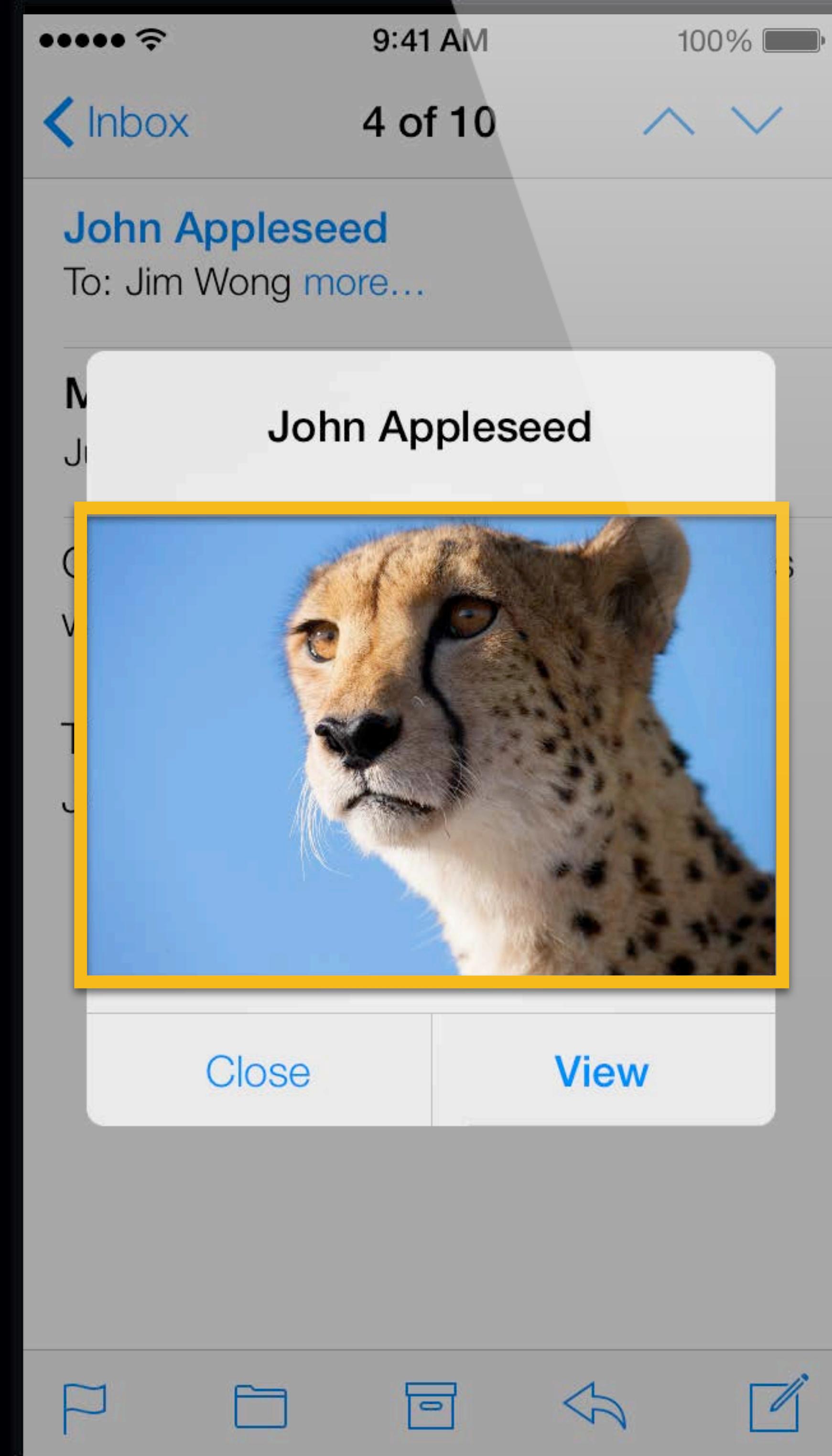
General



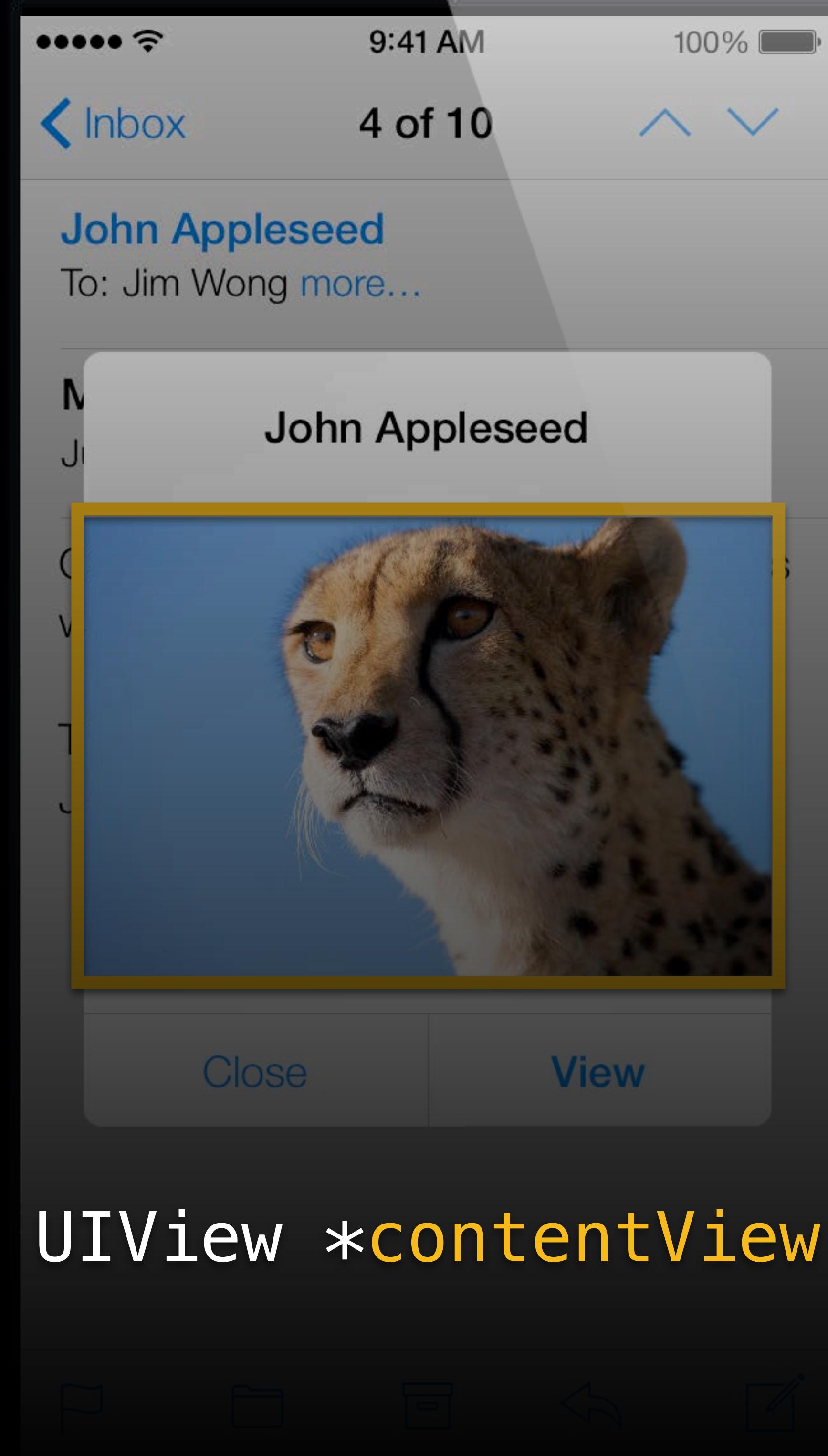
# Alert Views



# Alert Views

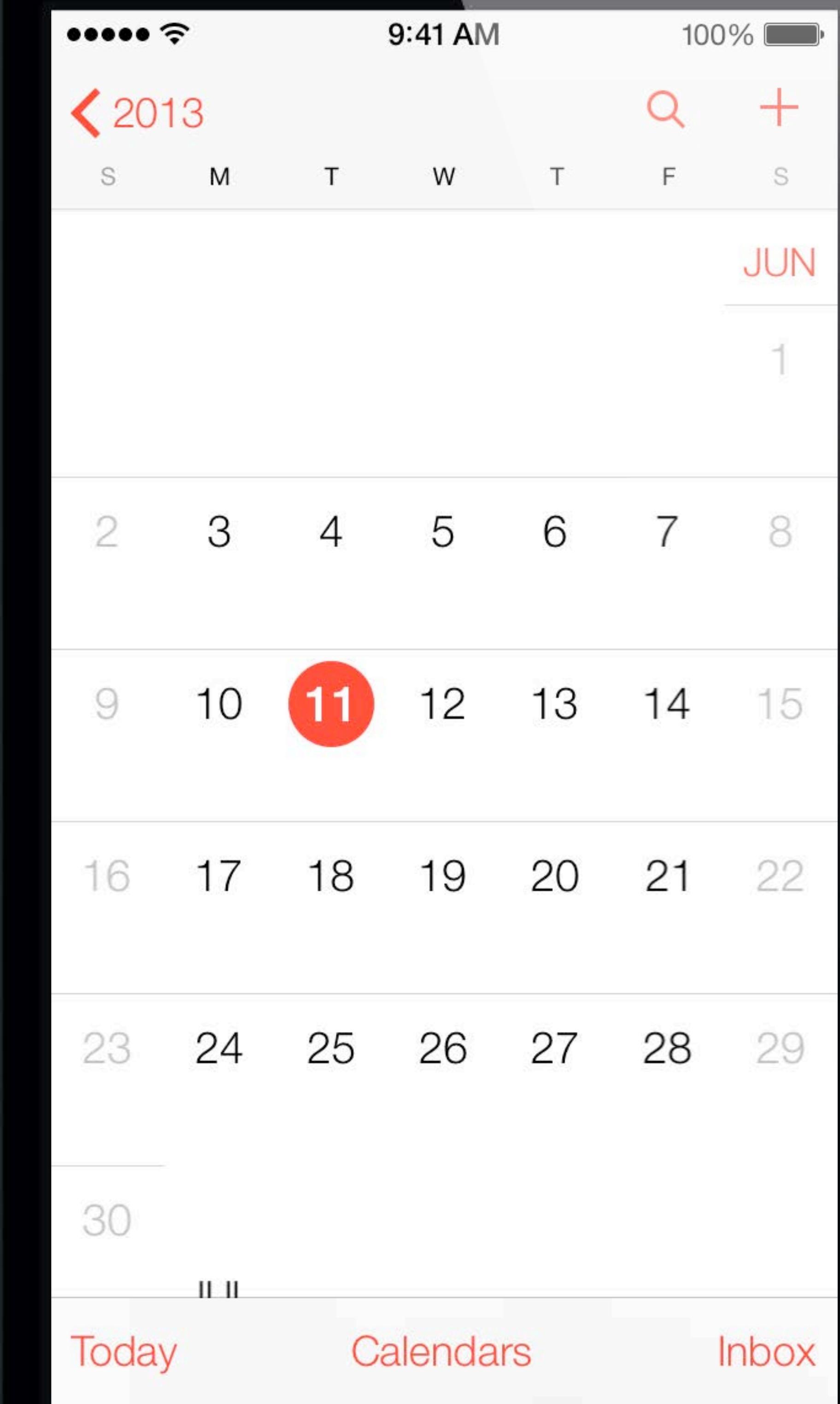


# Alert Views



# Controls

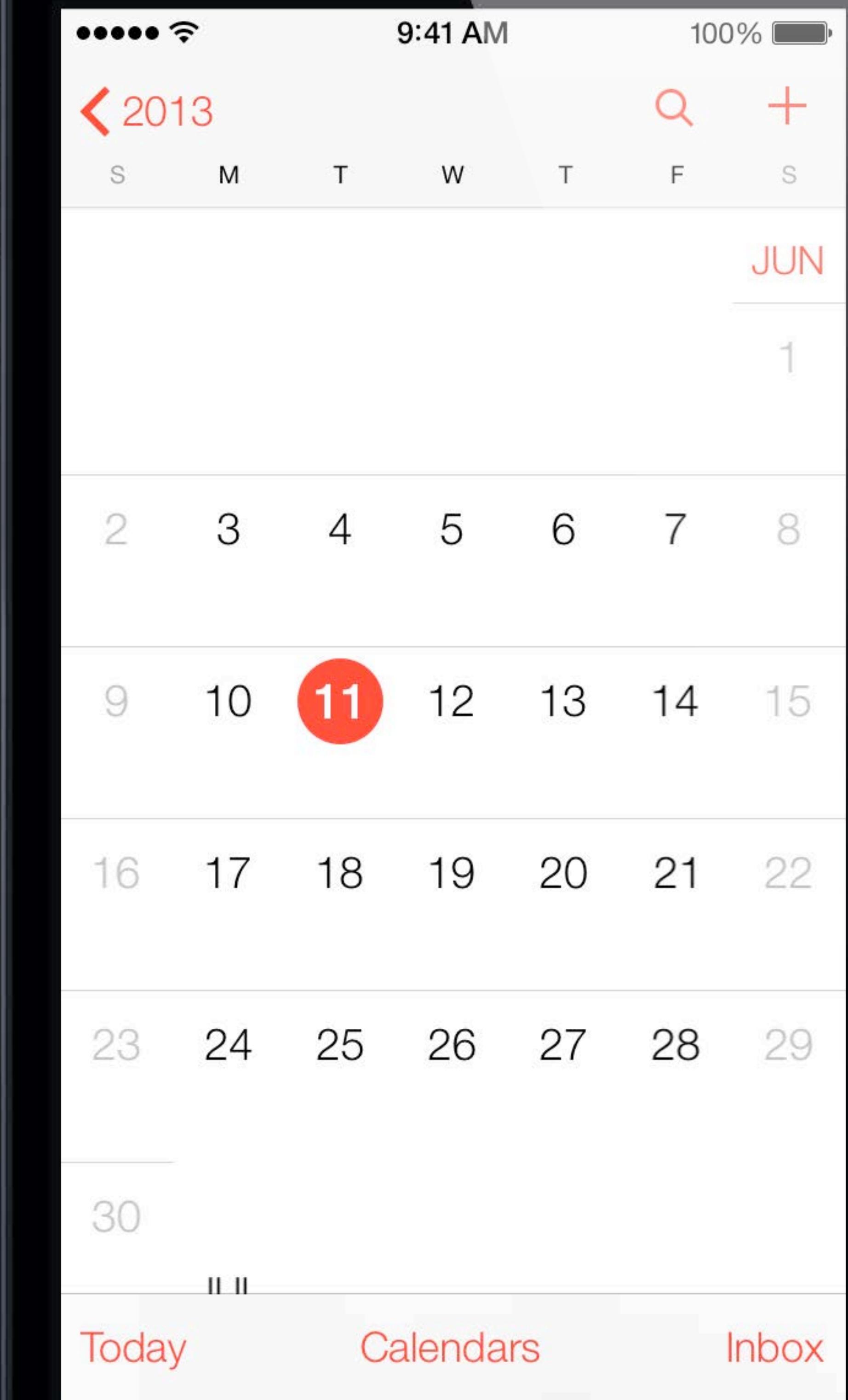
## Buttons



# Controls

## Buttons

```
typedef enum UIButtonType {  
    UIButtonTypeCustom = 0,  
    UIButtonTypeSystem, // new in iOS 7  
    ...  
    UIButtonTypeRoundedRect  
};
```

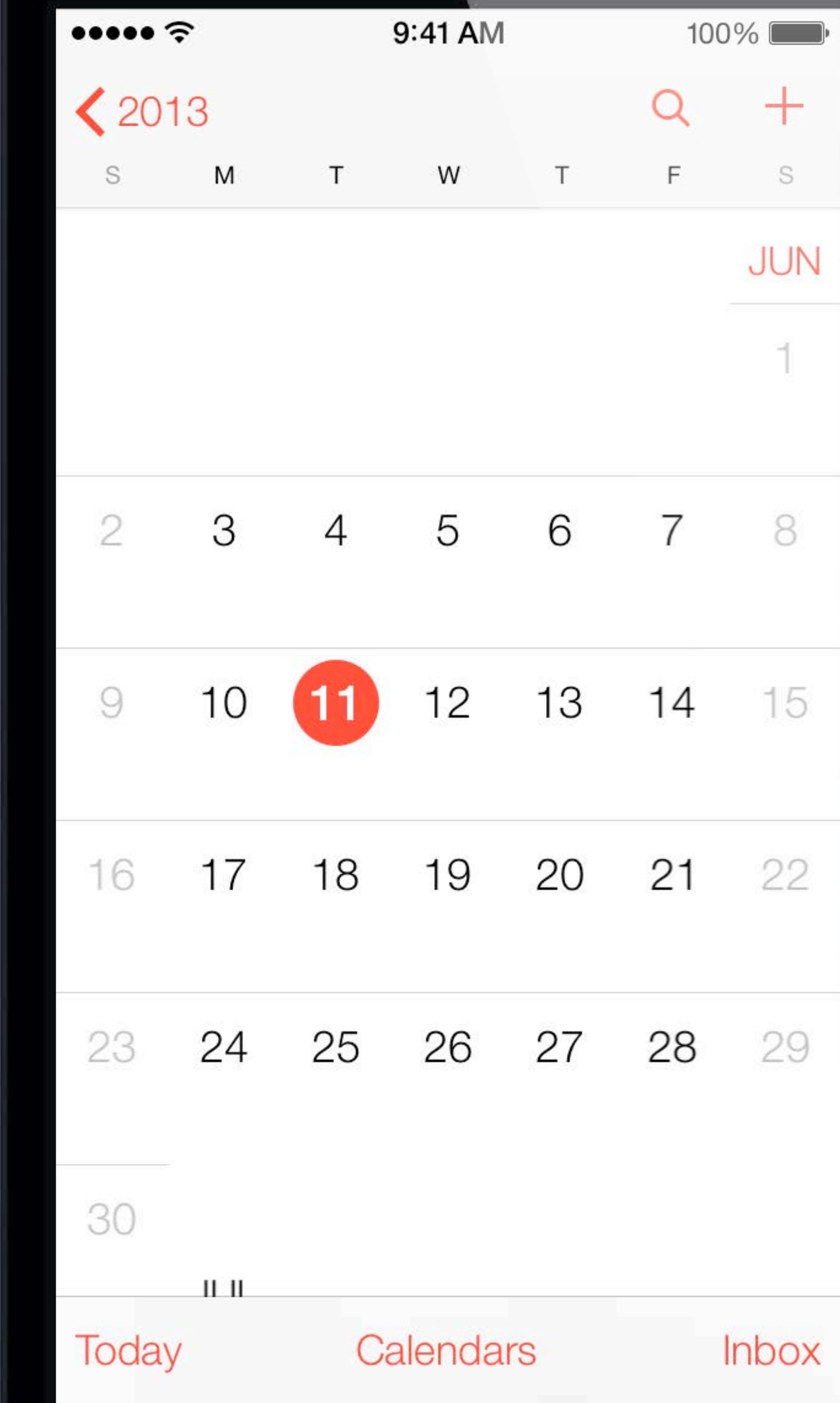


# Controls

## Buttons

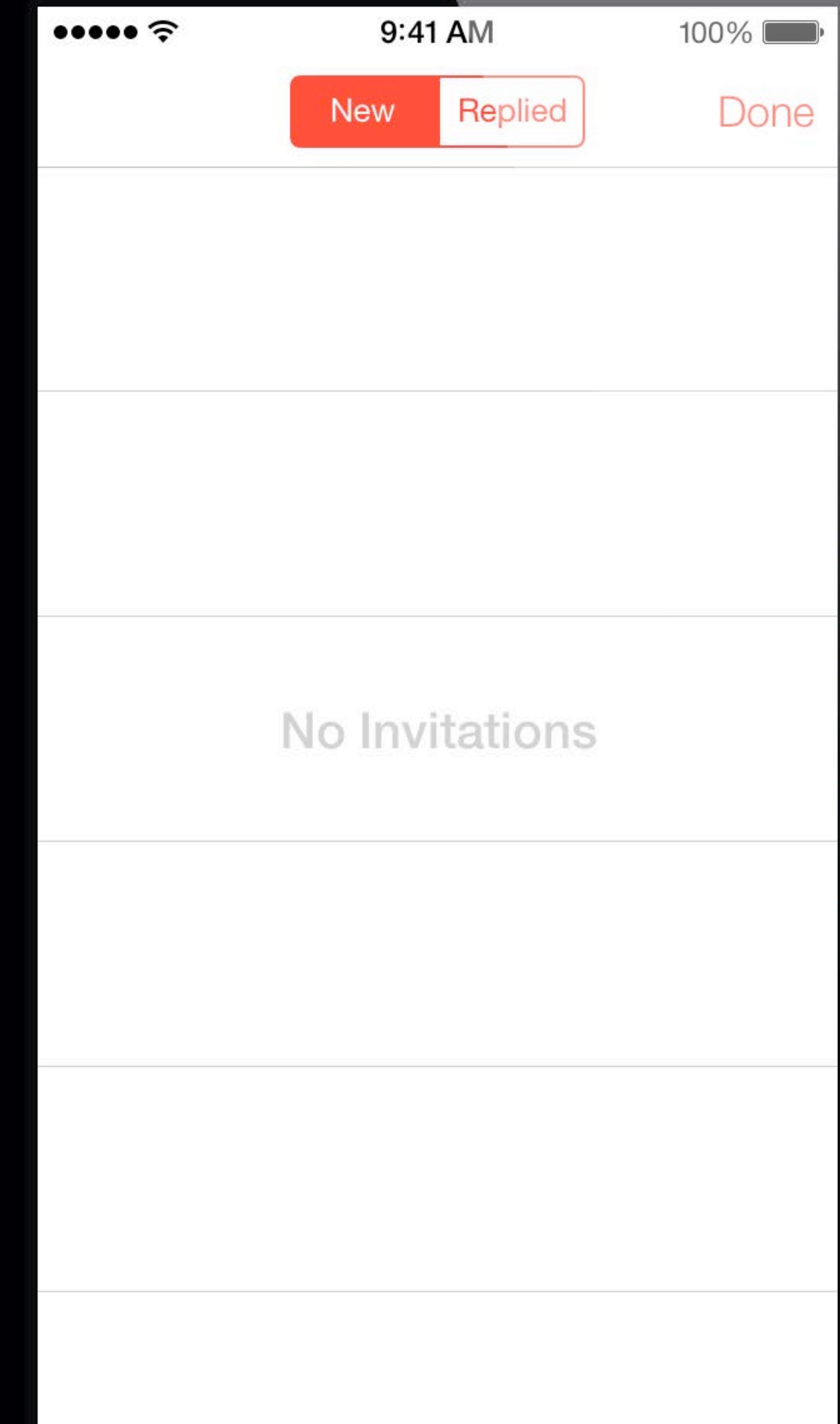
```
typedef enum UIButtonType {  
    UIButtonTypeCustom = 0,  
    UIButtonTypeSystem, // new in iOS 7  
    ...  
    UIButtonTypeRoundedRect  
};
```

```
typedef enum UIBarButtonItemStyle {  
    UIBarButtonItemStylePlain,  
UIBarButtonItemStyleBordered,  
    UIBarButtonItemStyleDone,  
};
```



# Controls

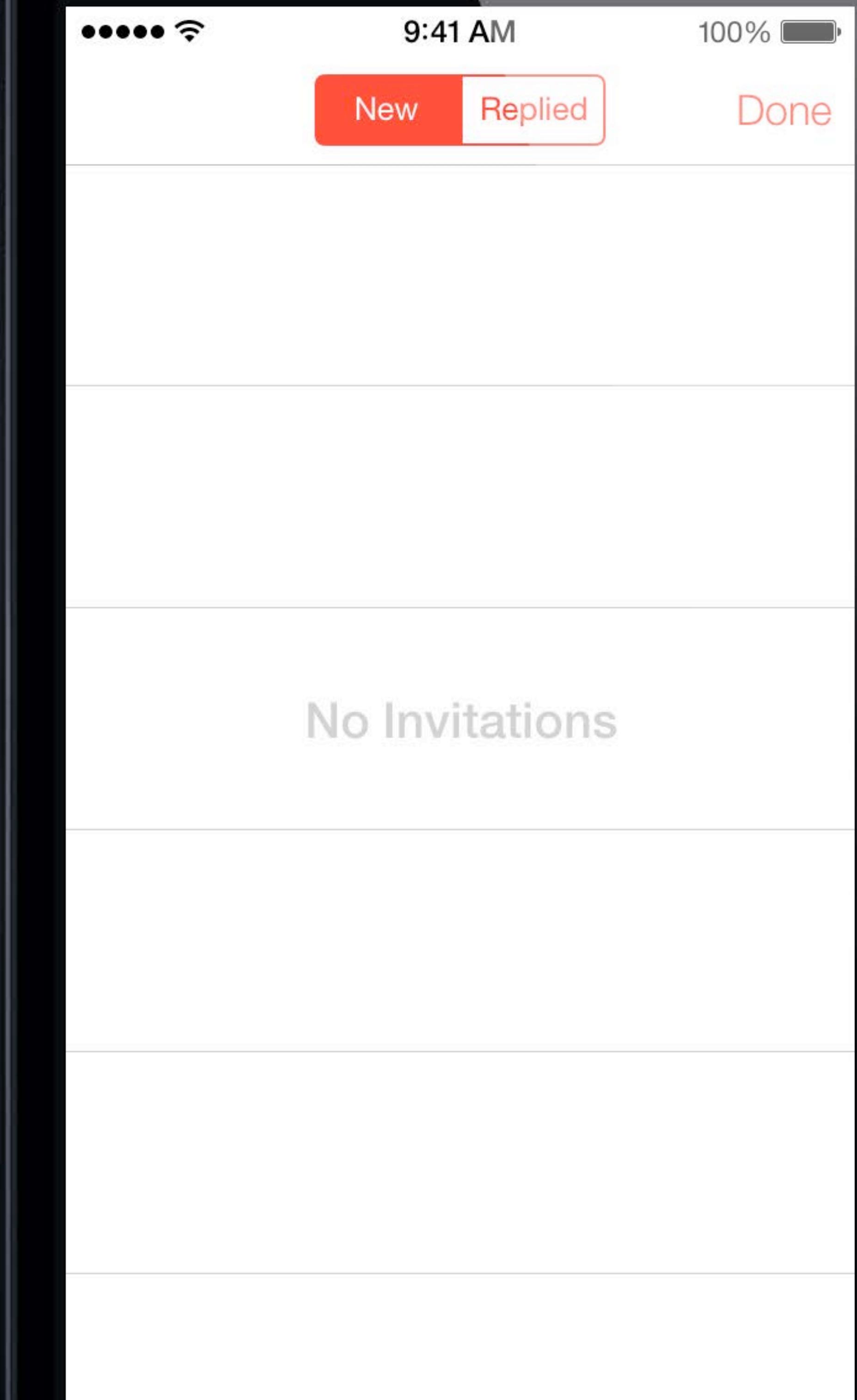
## Segmented controls and steppers



# Controls

## Segmented controls and steppers

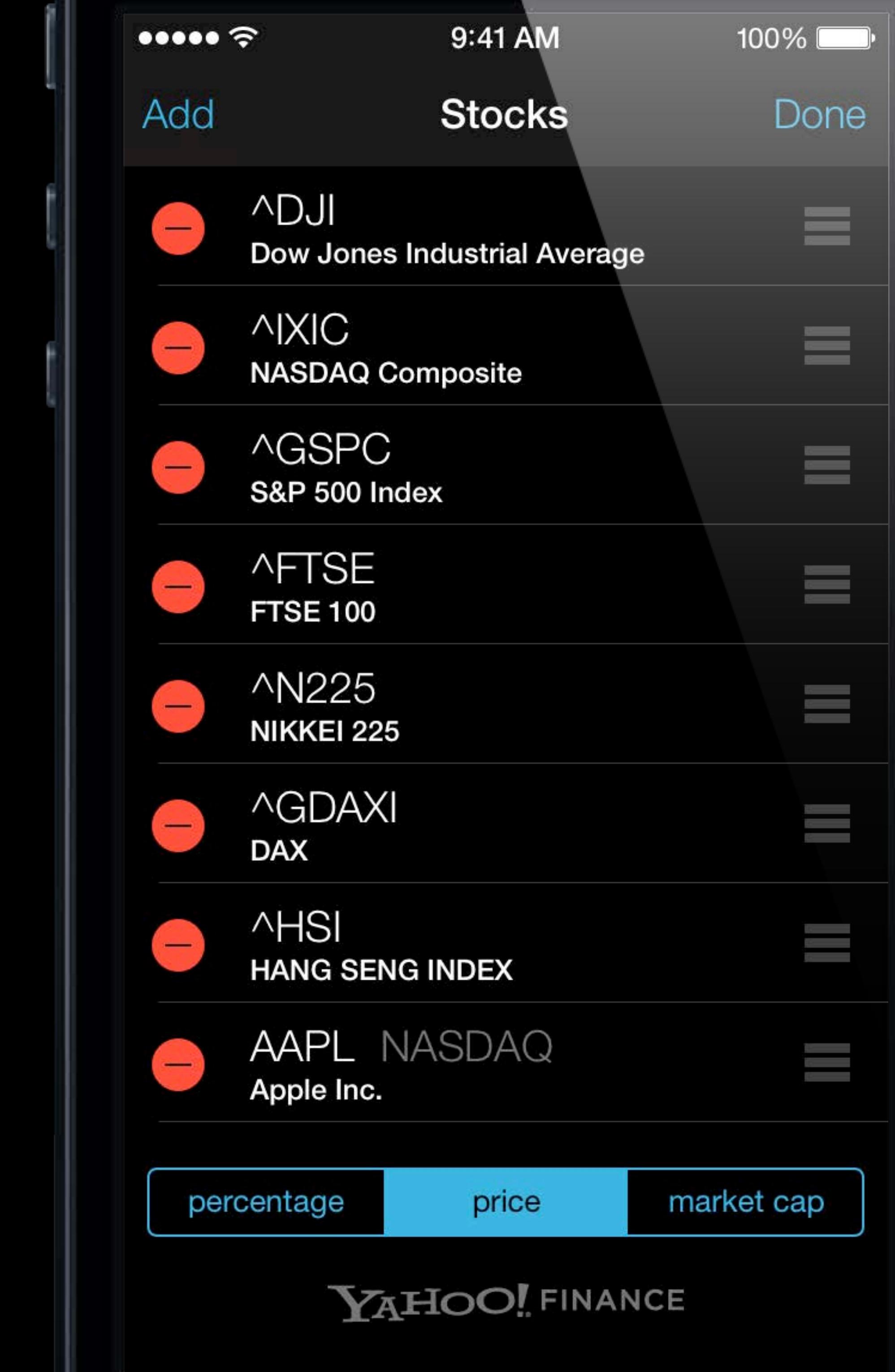
```
@interface UISegmentedControl  
@property UISegmentedControlStyle  
segmentedControlStyle  
@end
```



# Controls

## Segmented controls and steppers

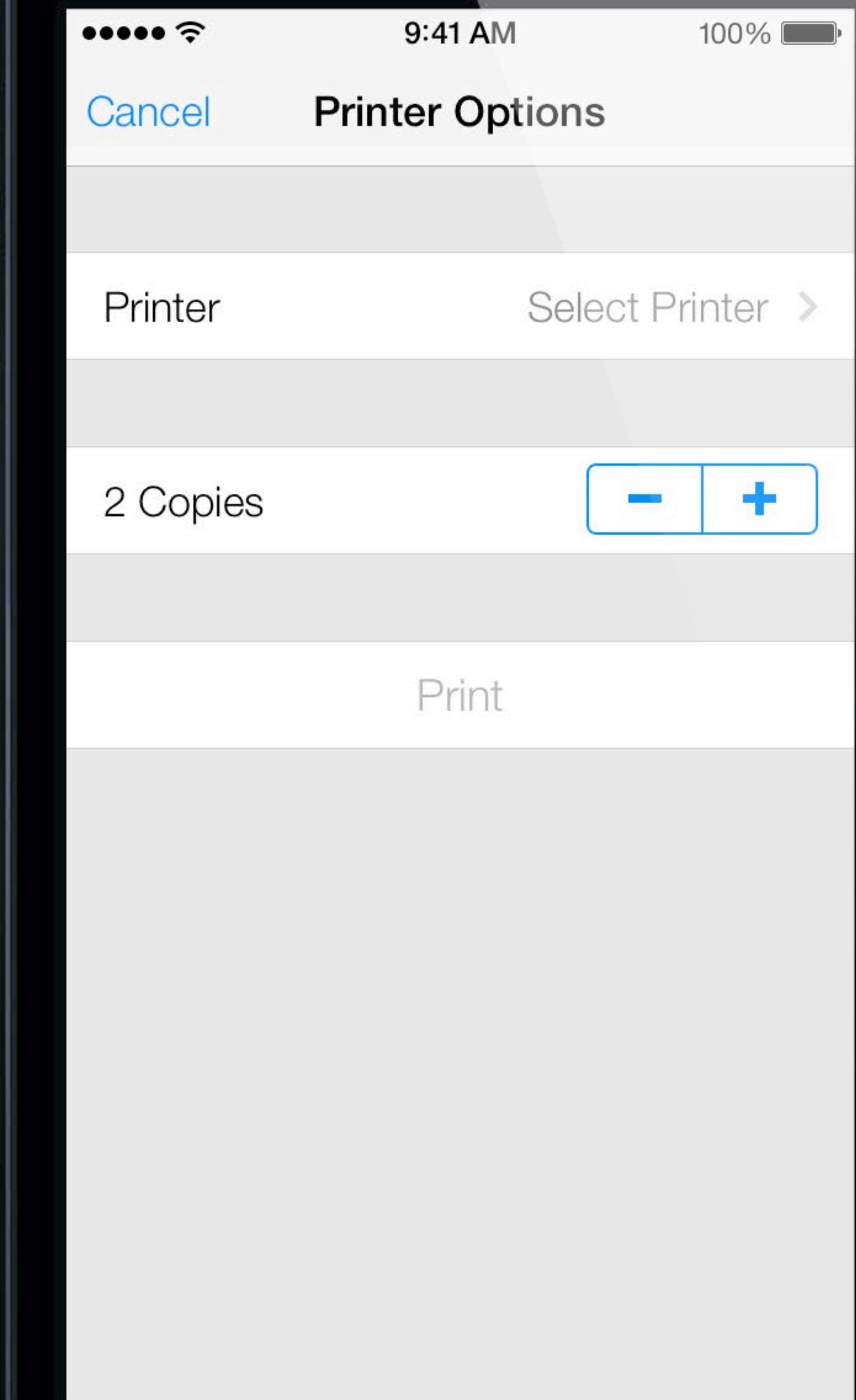
```
@interface UISegmentedControl  
@property UISegmentedControlStyle  
segmentedControlStyle  
@end
```



# Controls

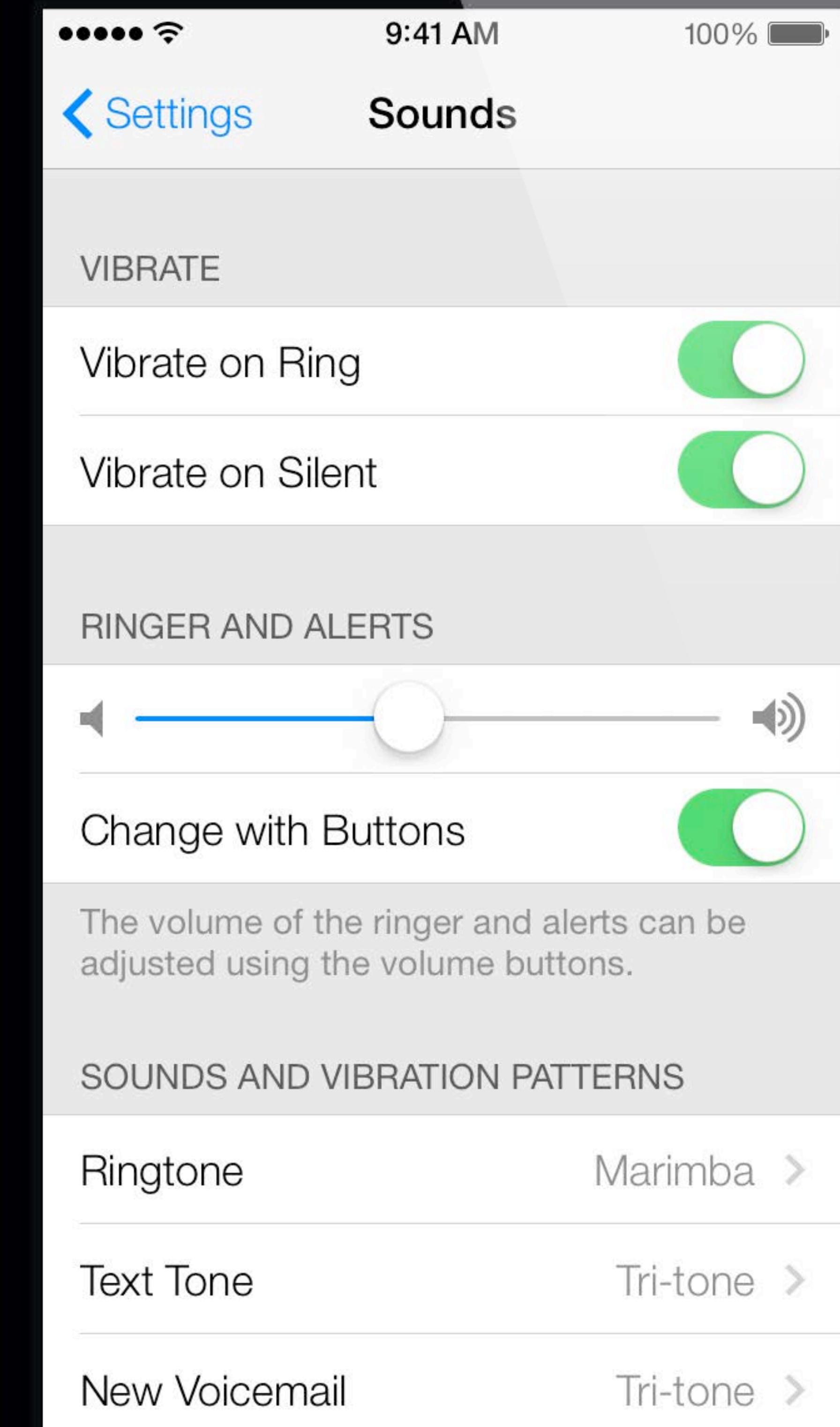
## Segmented controls and steppers

```
@interface UISegmentedControl  
@property UISegmentedControlStyle  
    segmentedControlStyle  
@end
```



# Controls

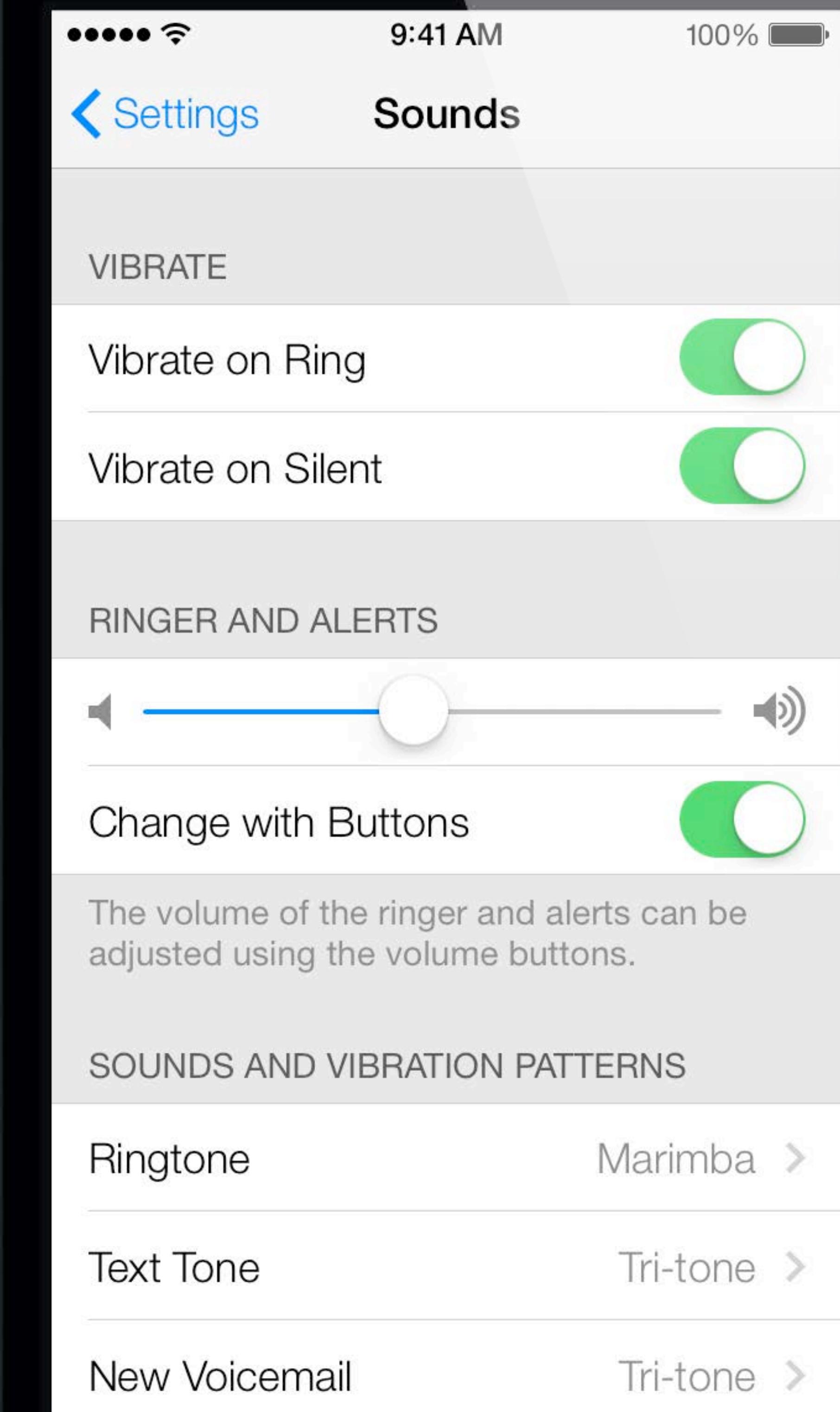
## Switches and sliders



# Controls

## Switches and sliders

- Use autolayout to cope with metrics changes



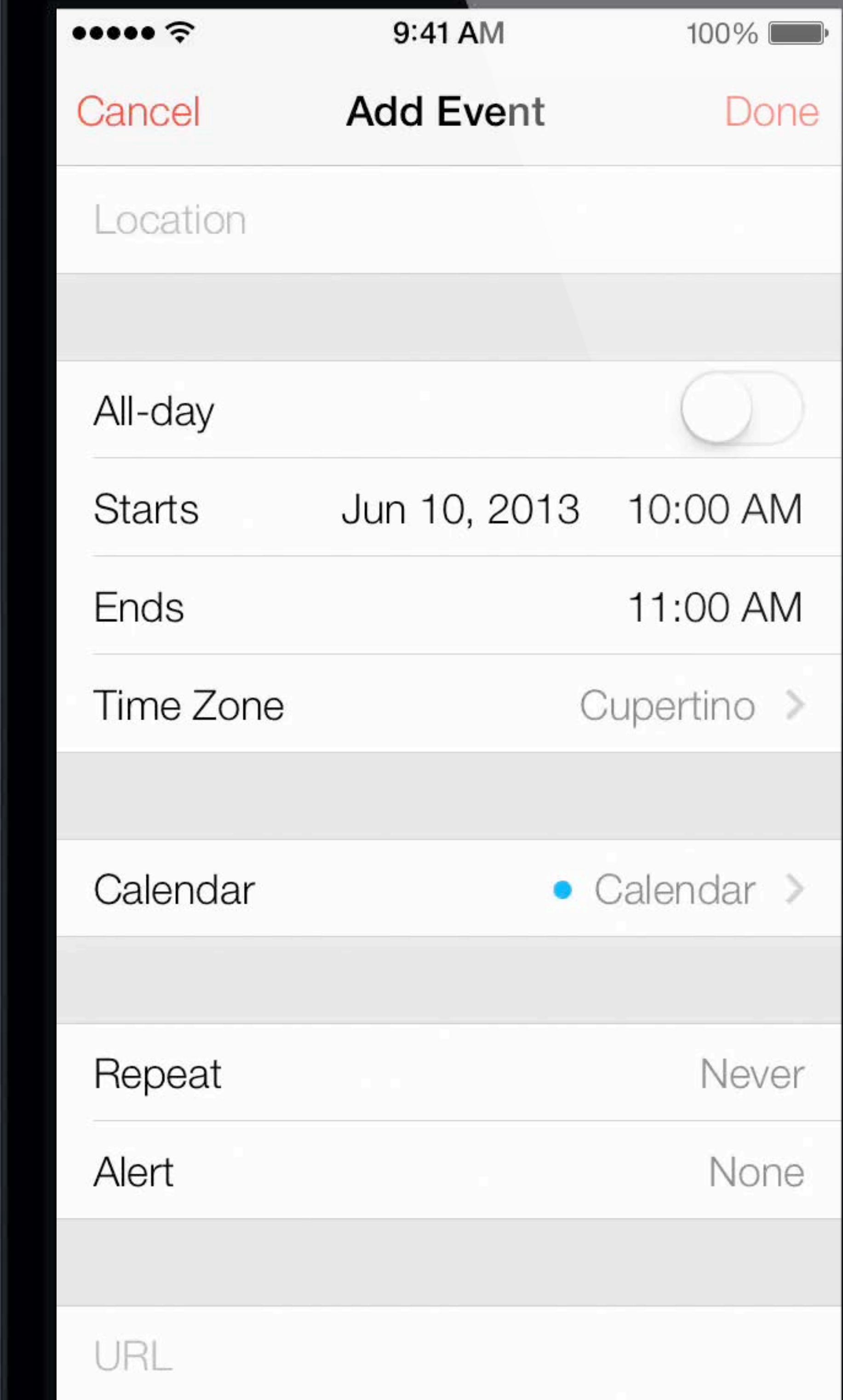
# Controls

## Picker views

# Controls

## Picker views

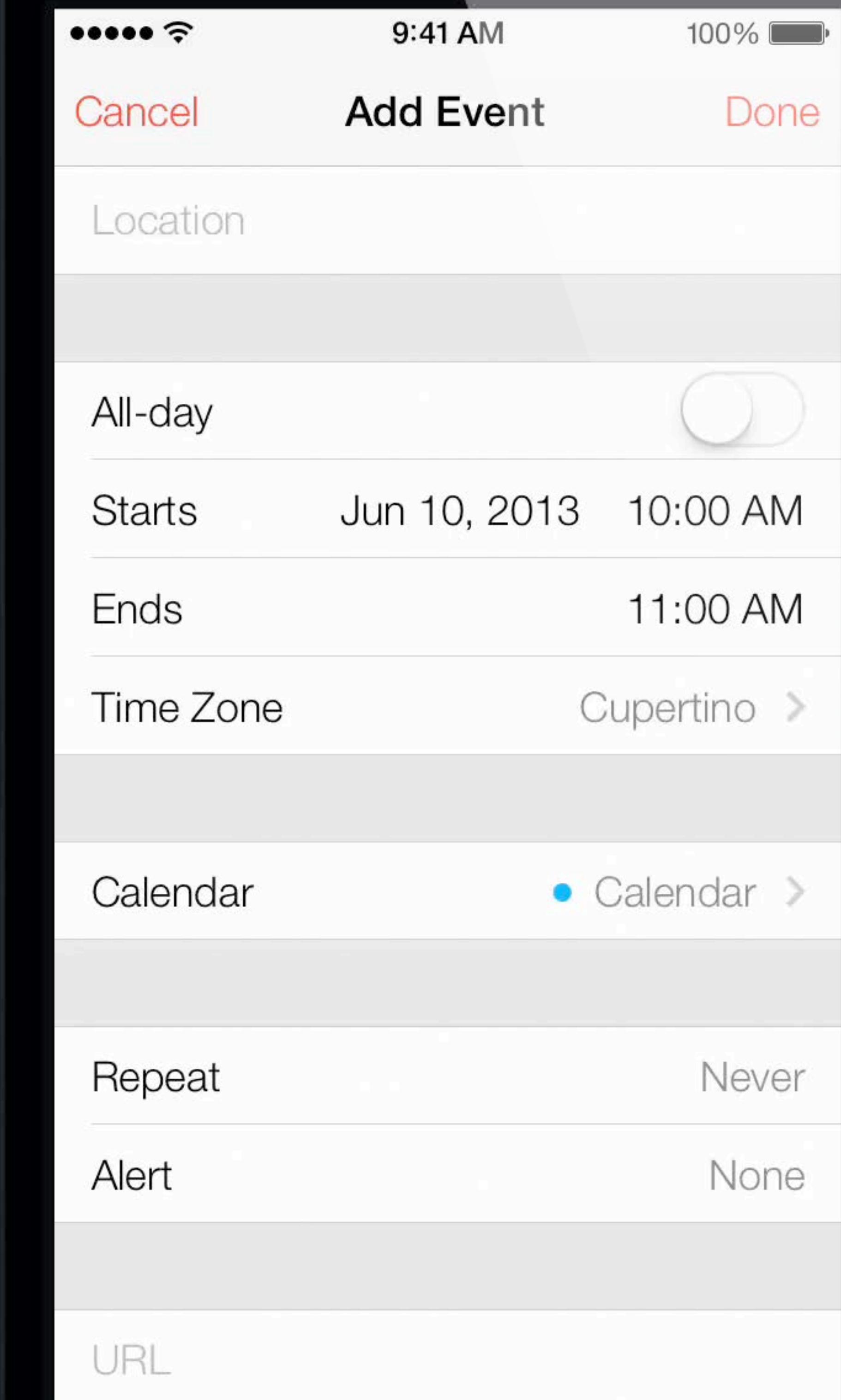
- Avoid using as a `UIInputView`
- Present inline instead



# Controls

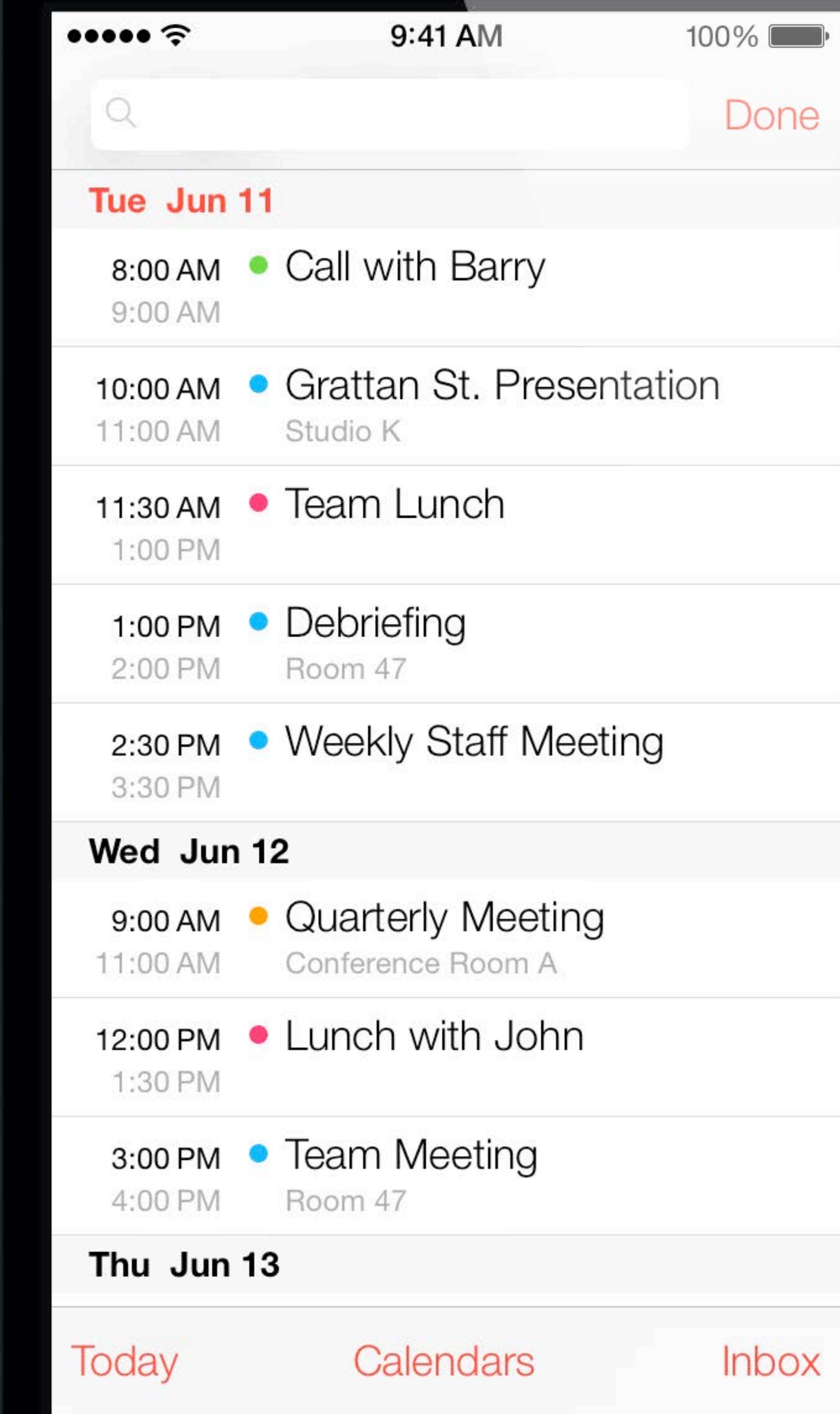
## Picker views

- Avoid using as a `UIInputView`
- Present inline instead



# Controls

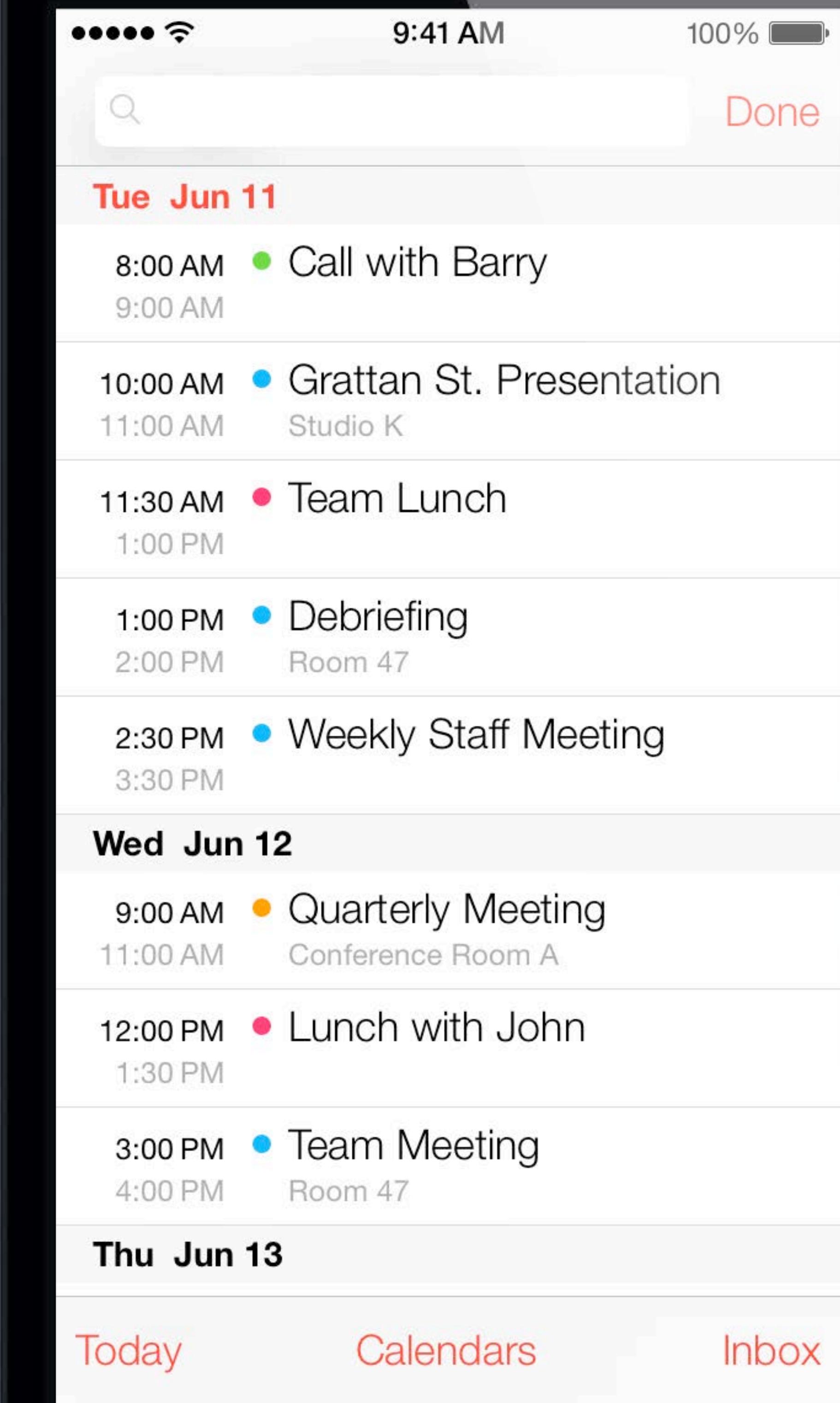
## Search fields



# Controls

## Search fields

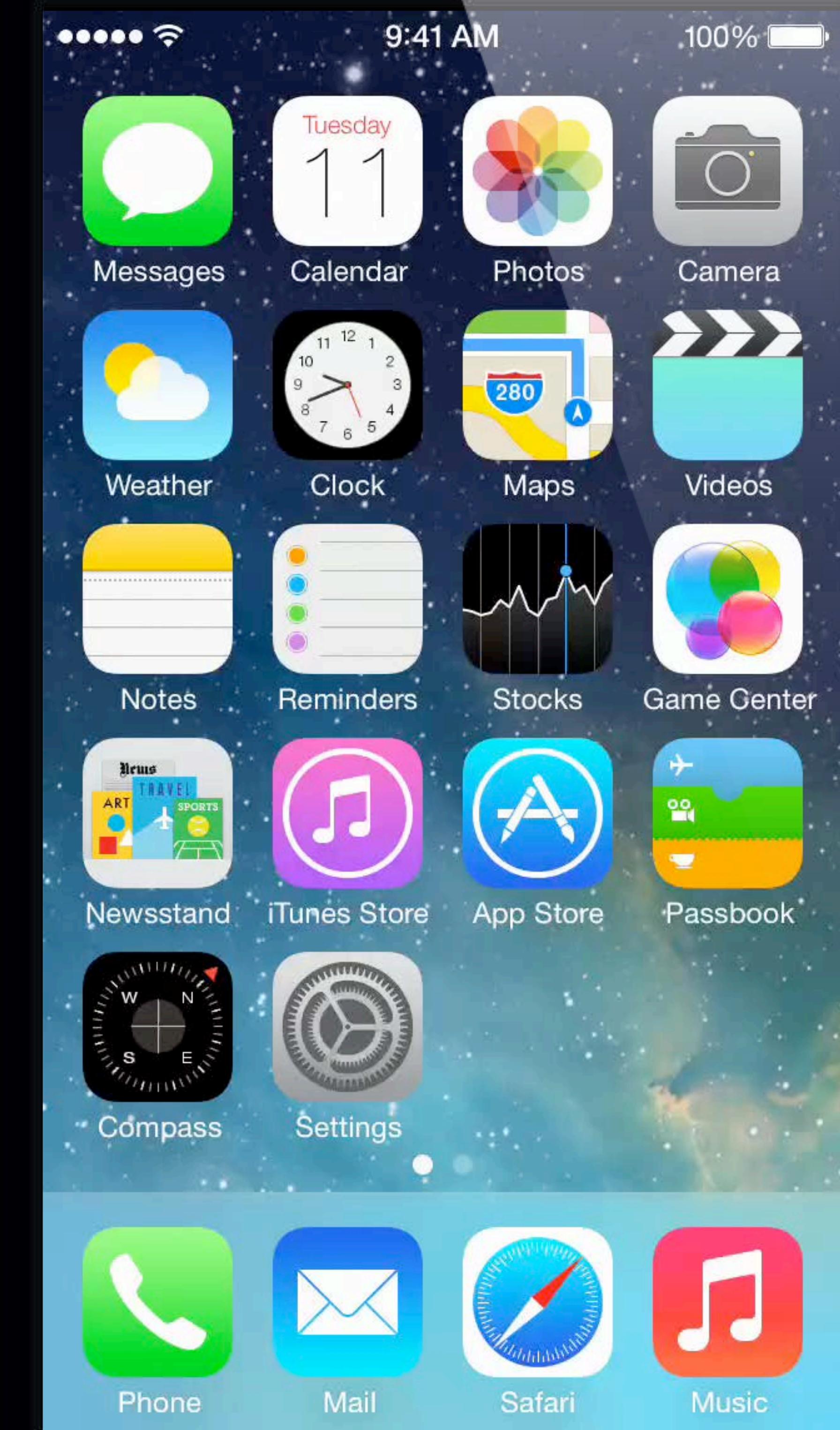
```
@interface UISearchDisplayController  
@property BOOL displaysSearchBarInNavigationBar;  
@property UINavigationItem *navigationItem;  
@end
```



# Adaptive Multitasking



# Adaptive Multitasking



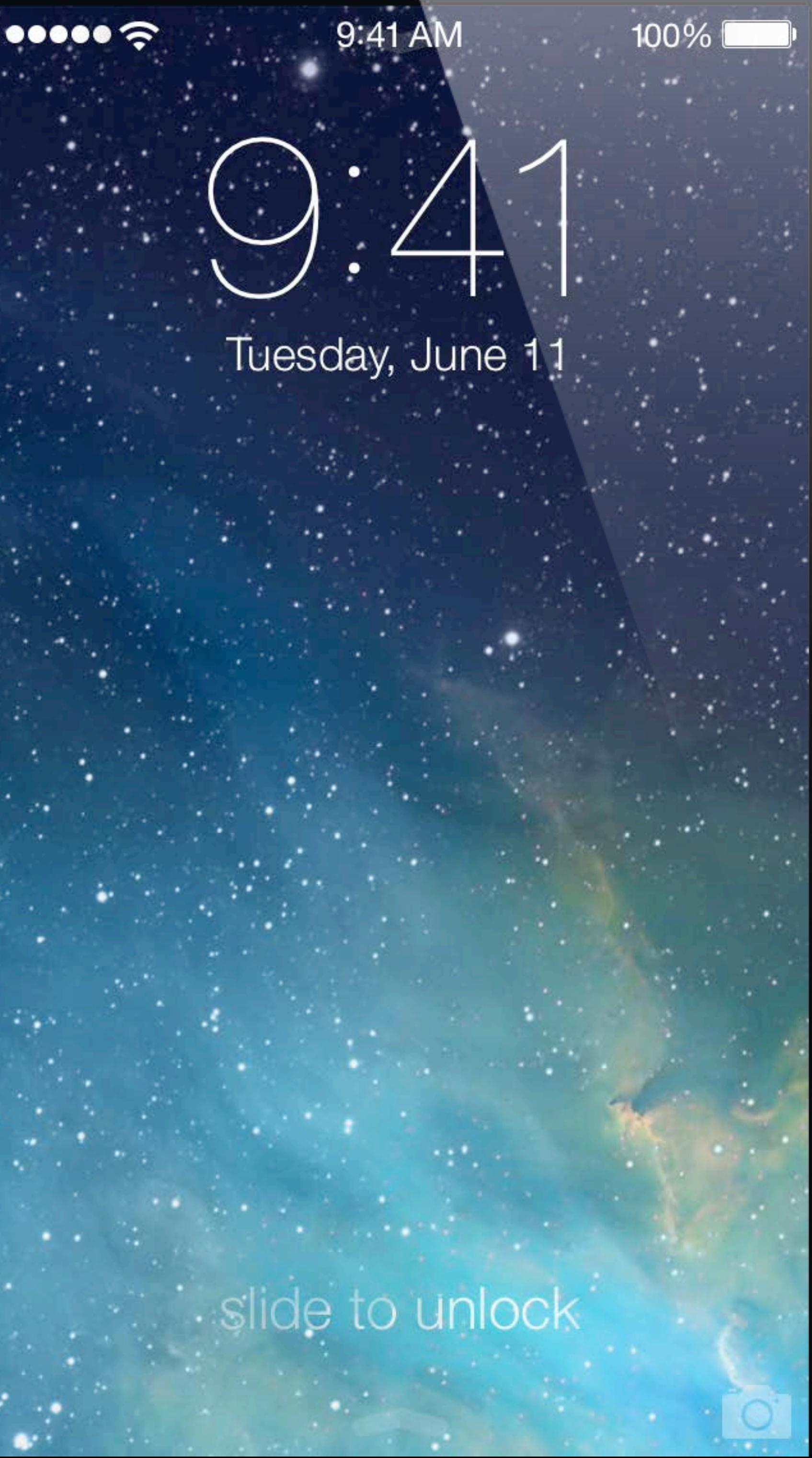
# What's New with Multitasking

Presidio  
Tuesday 2:00PM

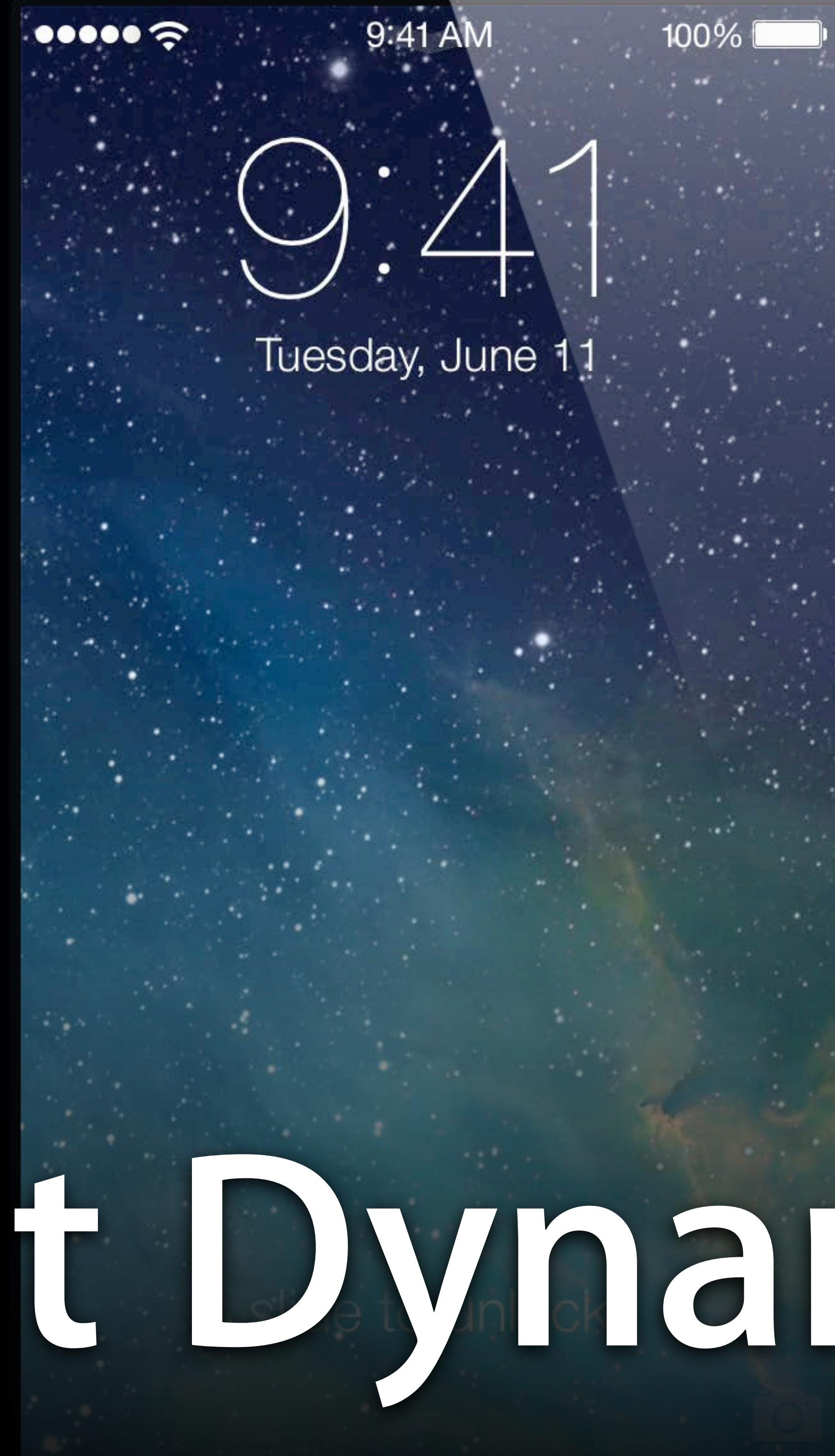
# Building User Interfaces for iOS 7

Andy Matuschak  
iOS Apps and Frameworks

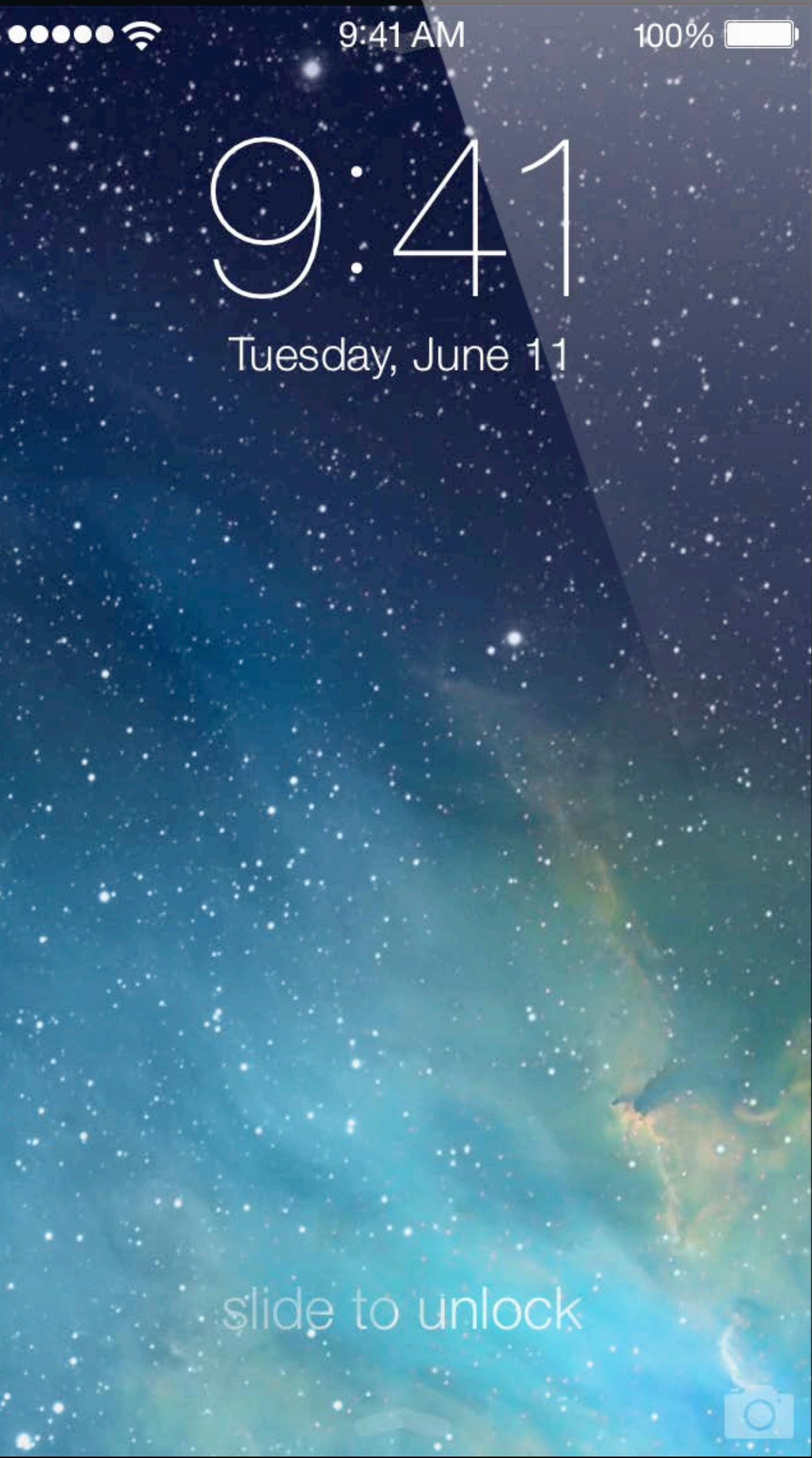




# UIKit Dynamics











**Getting Started with UIKit Dynamics**

Presidio  
Tuesday 4:30PM

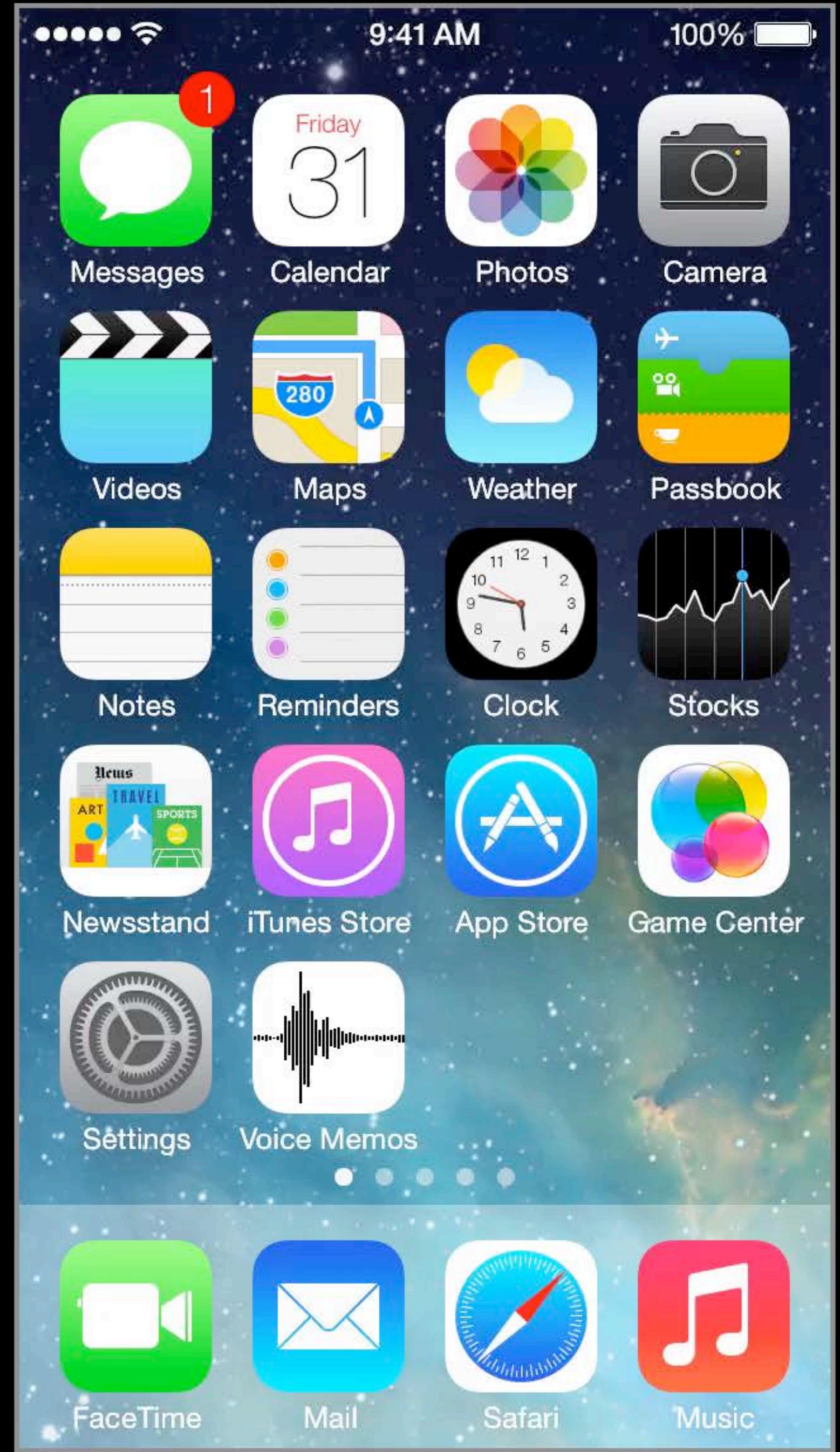
**Advanced Techniques with UIKit Dynamics**

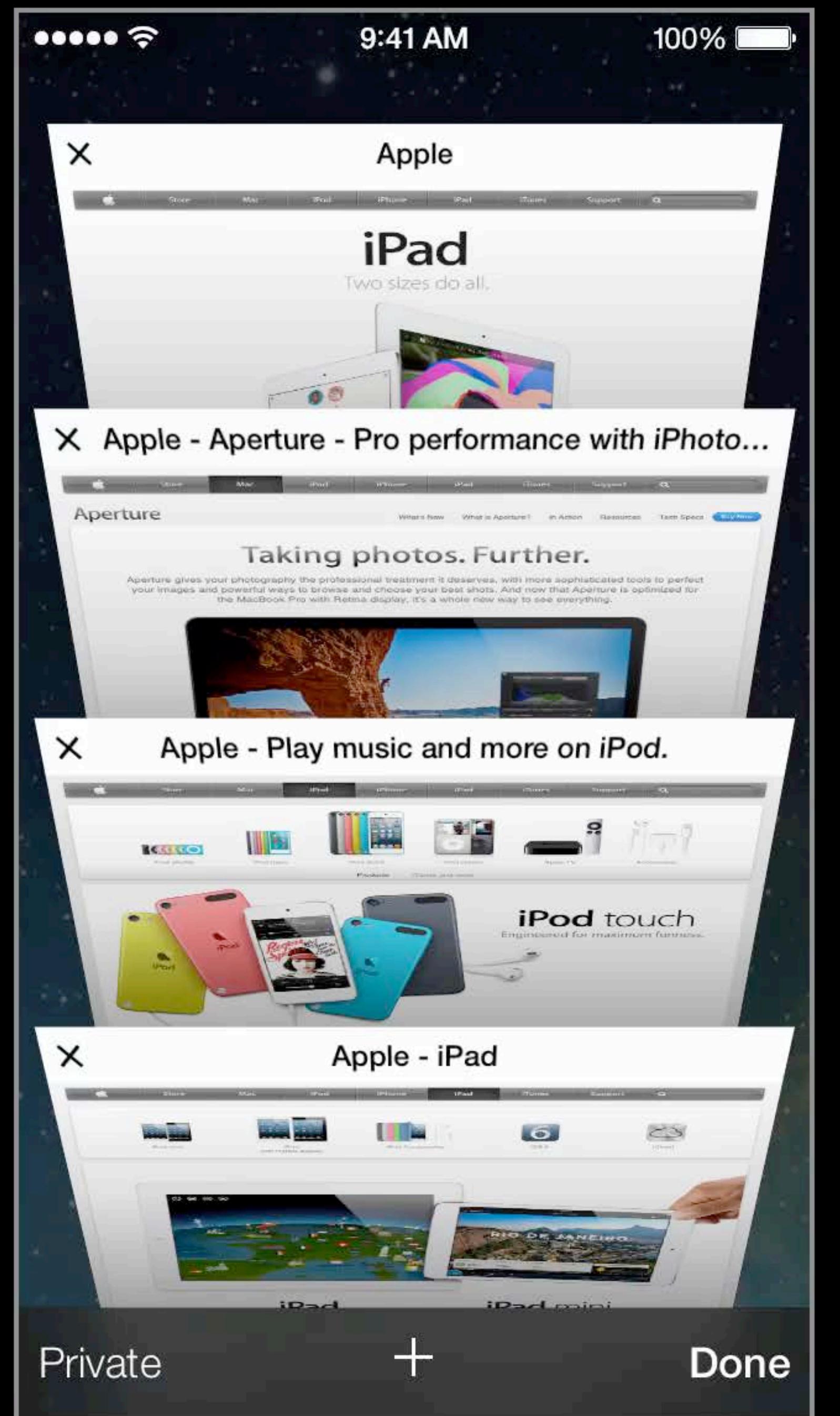
Presidio  
Thursday 3:15PM

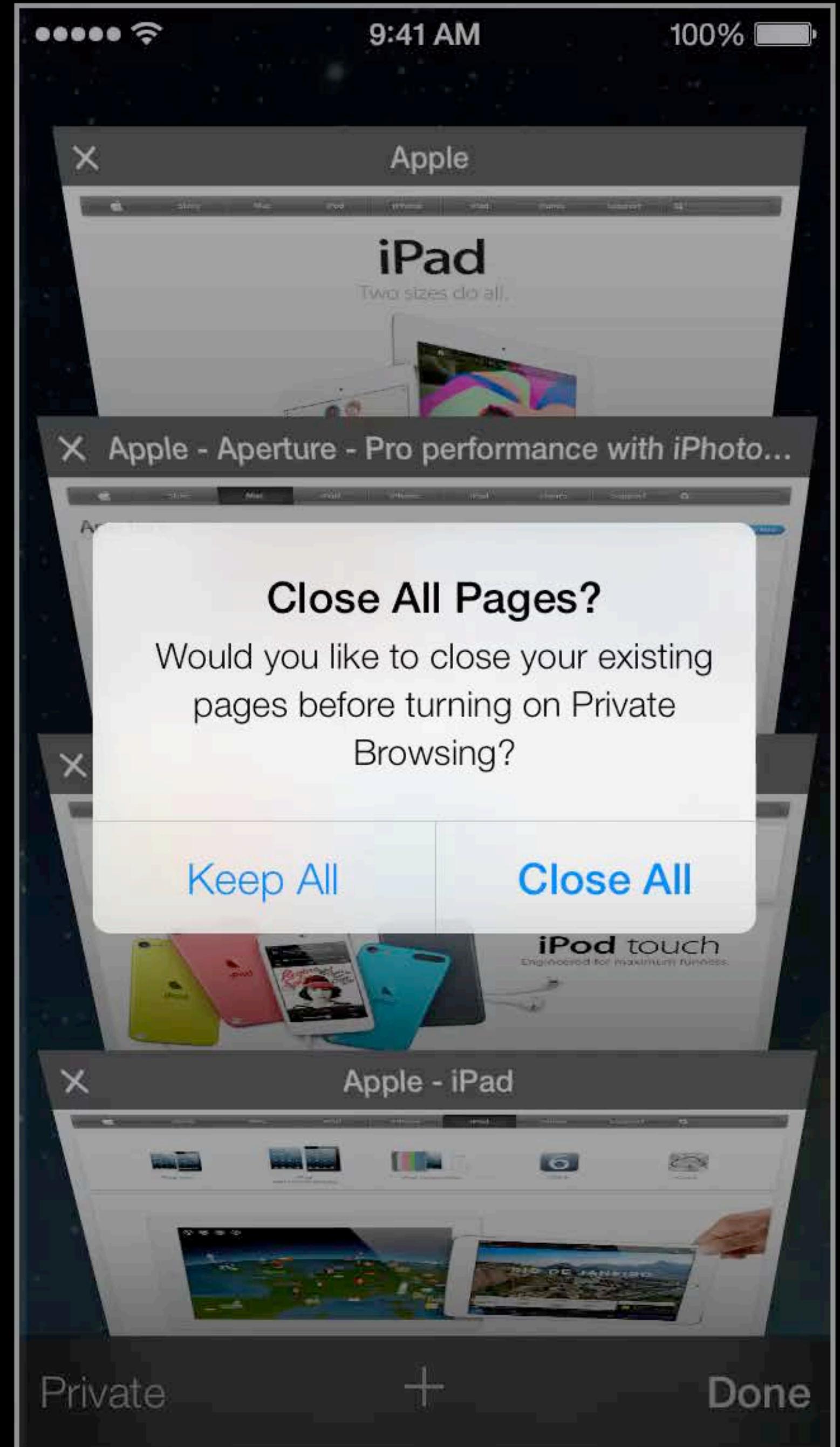
**Exploring Scroll Views on iOS 7**

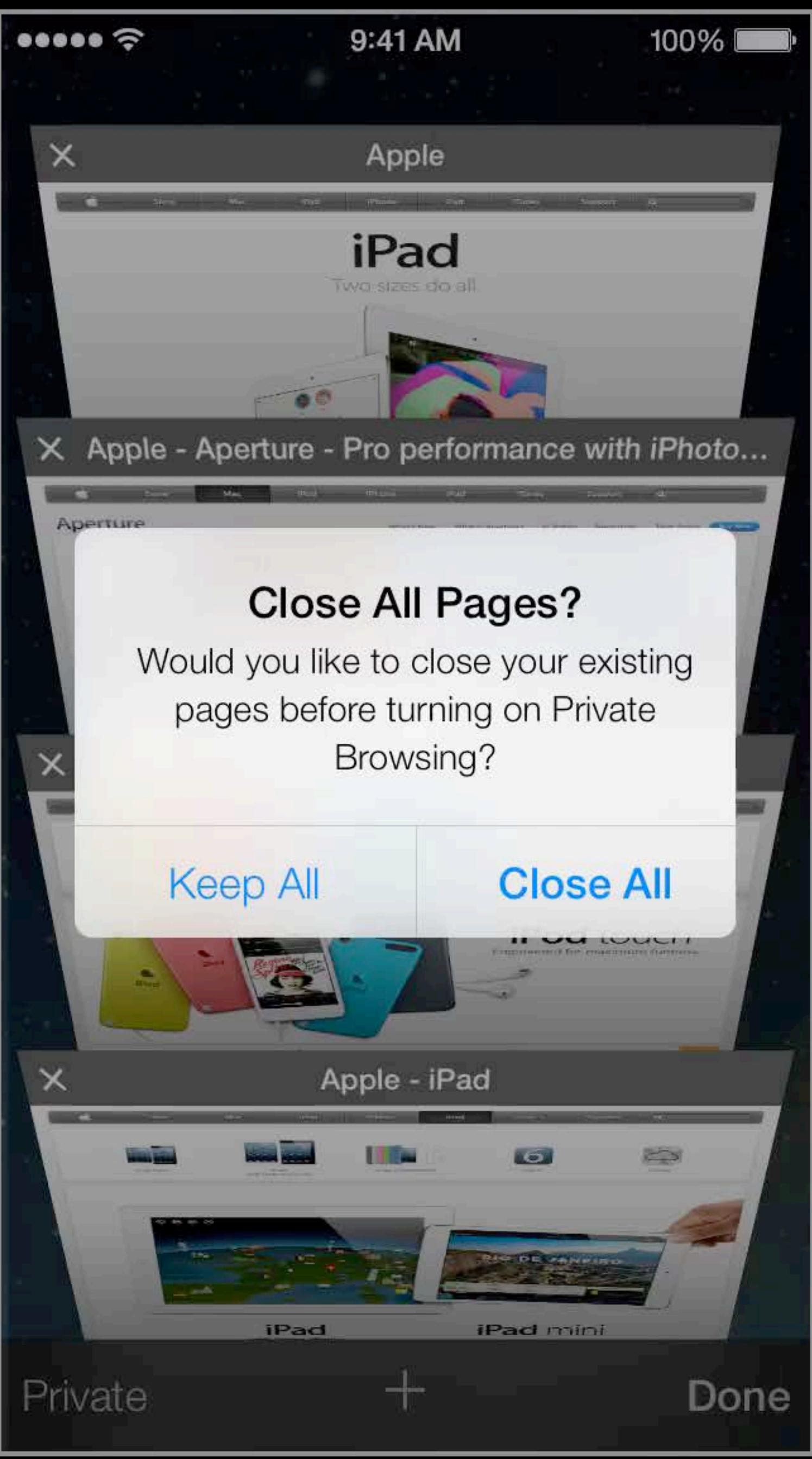
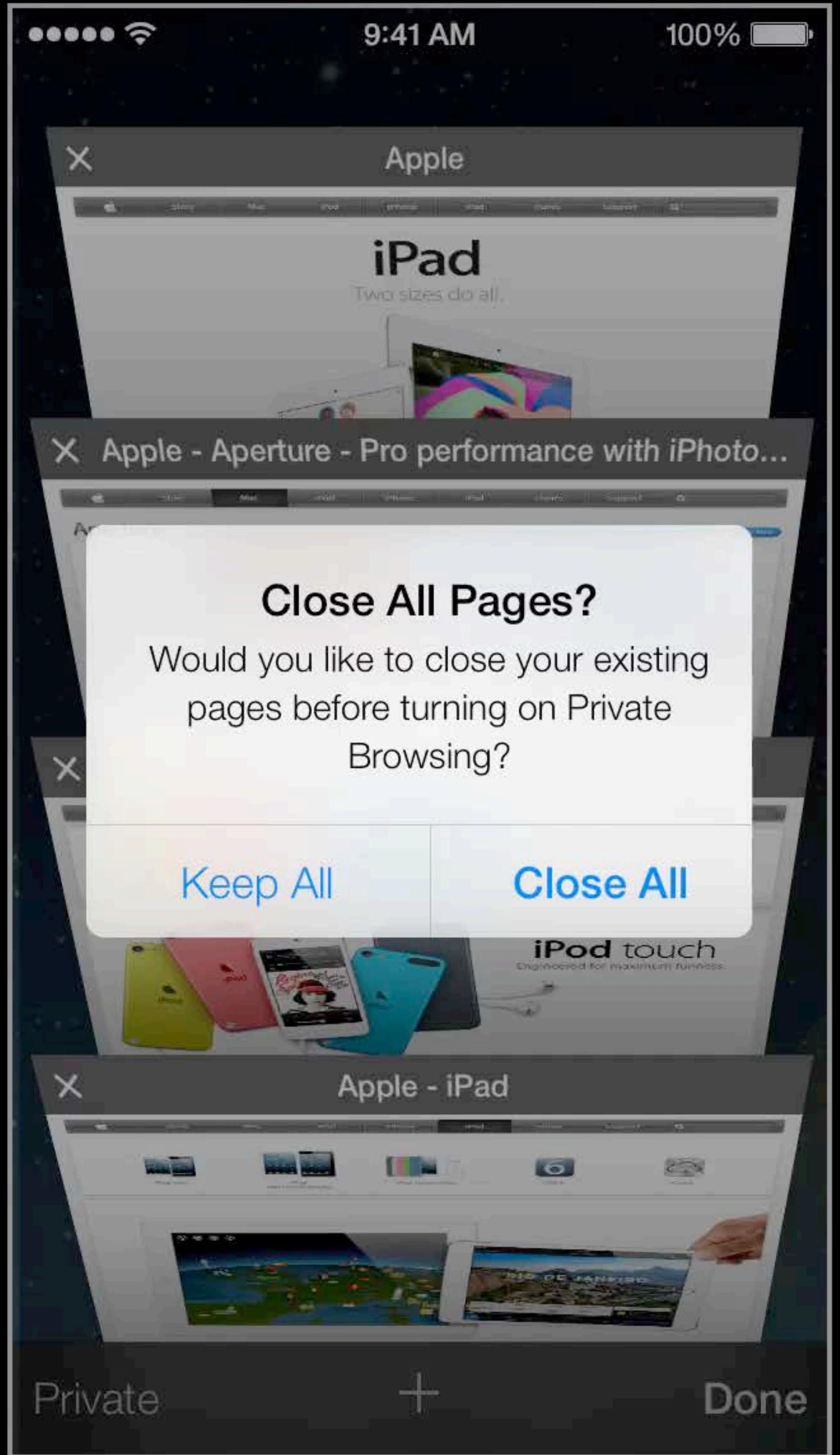
Presidio  
Thursday 10:15AM



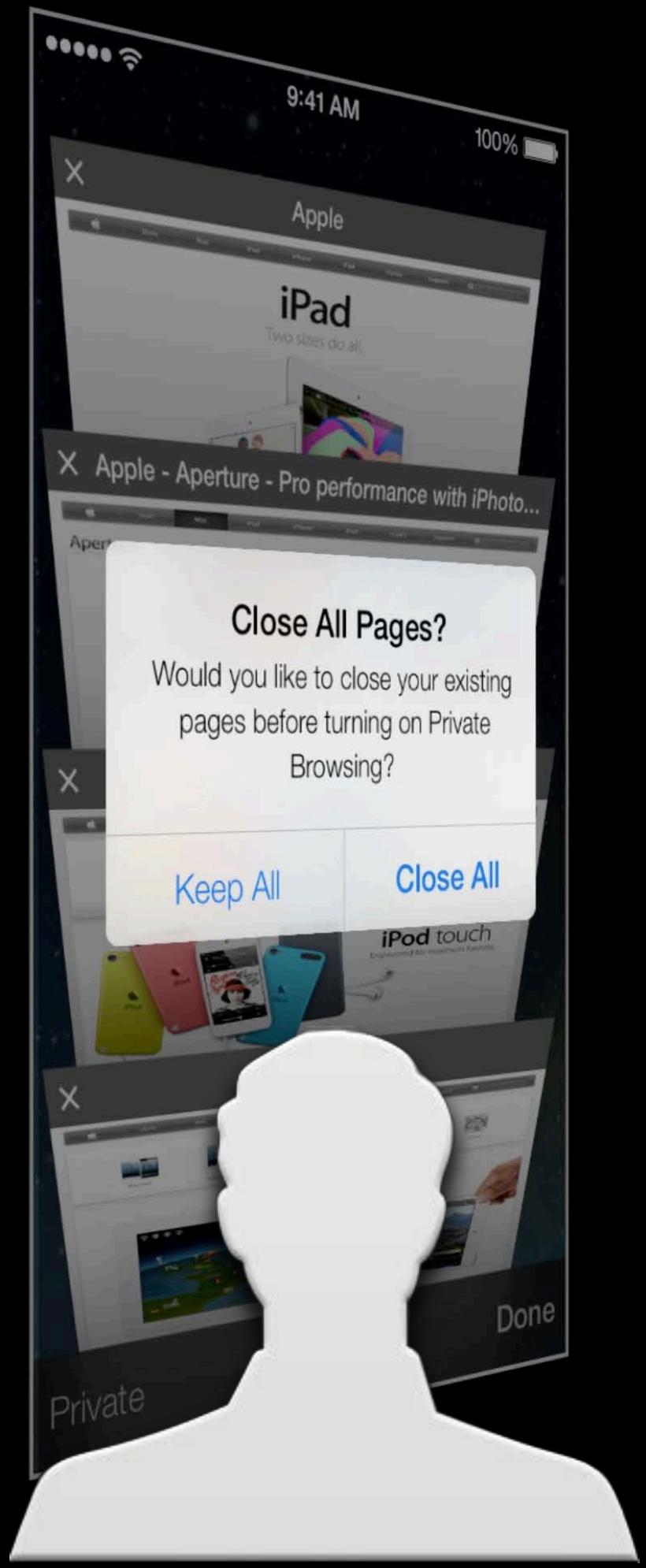
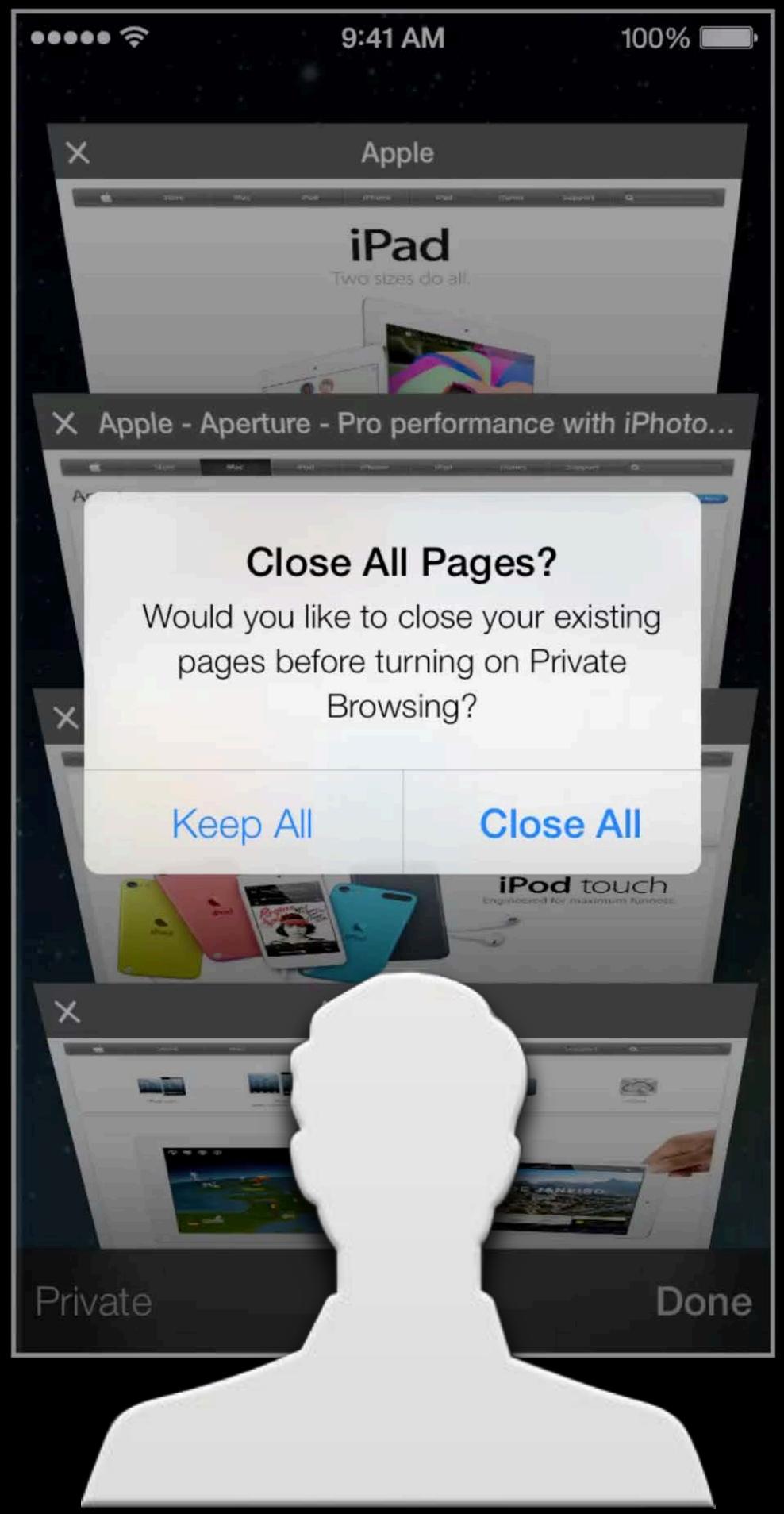
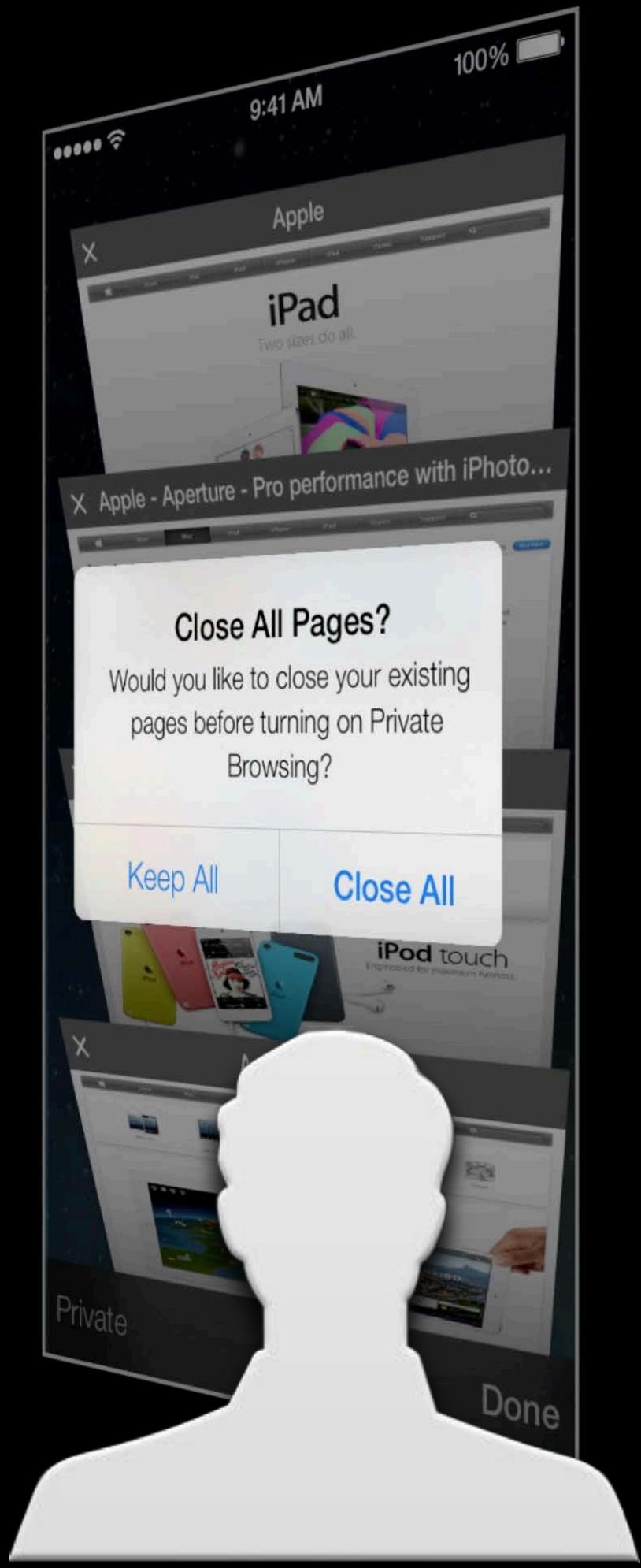




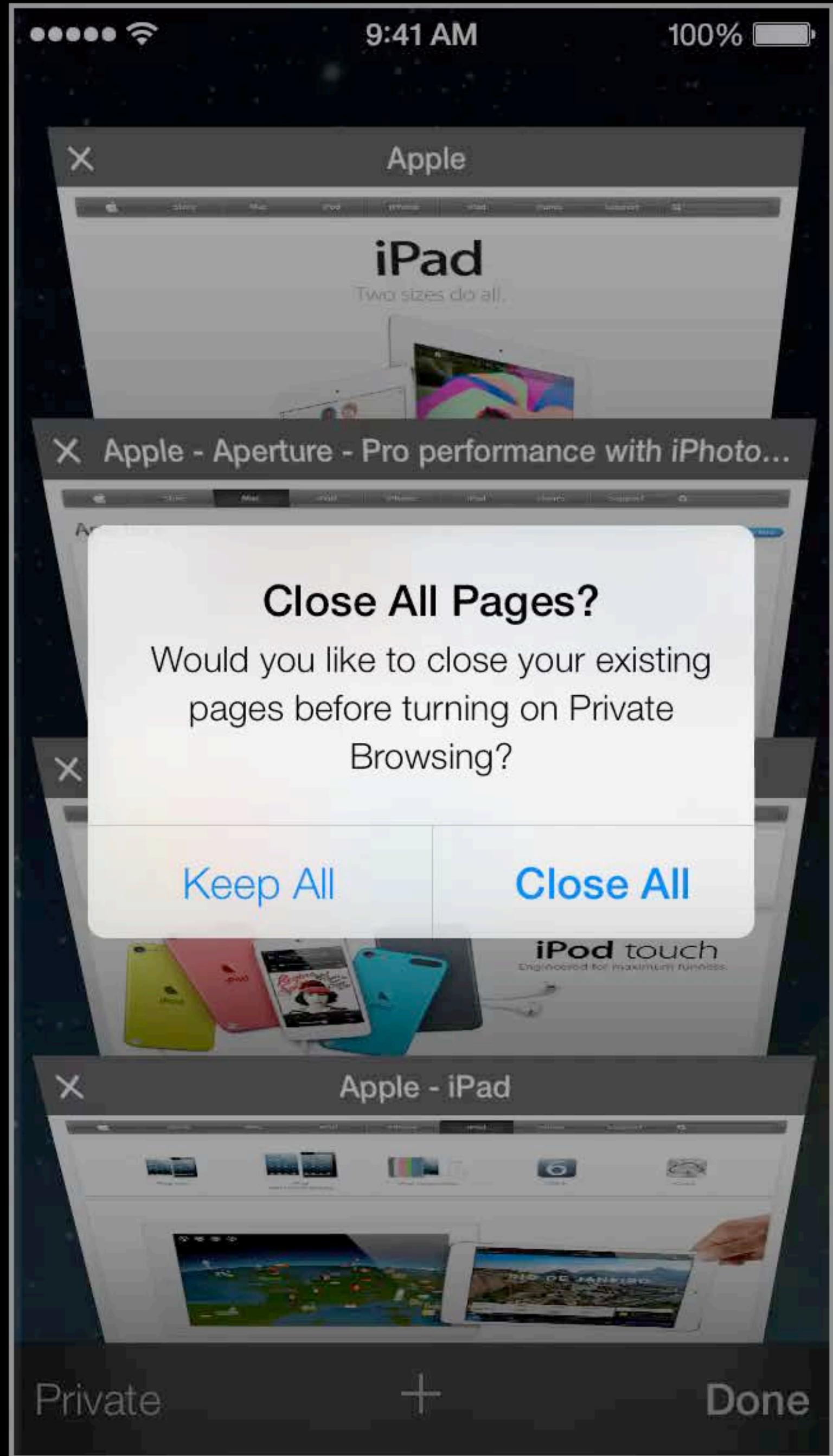
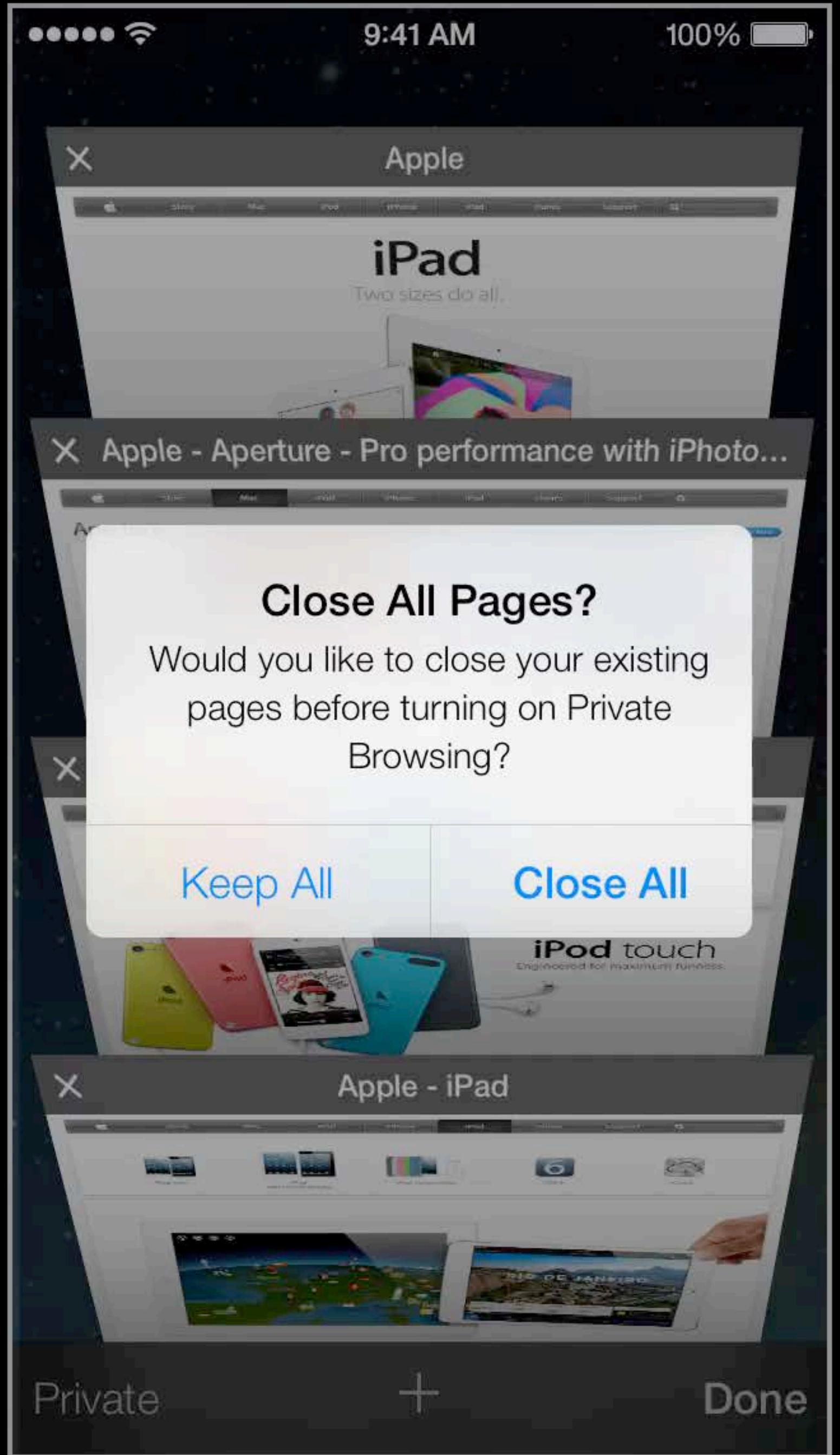




# Motion Effects



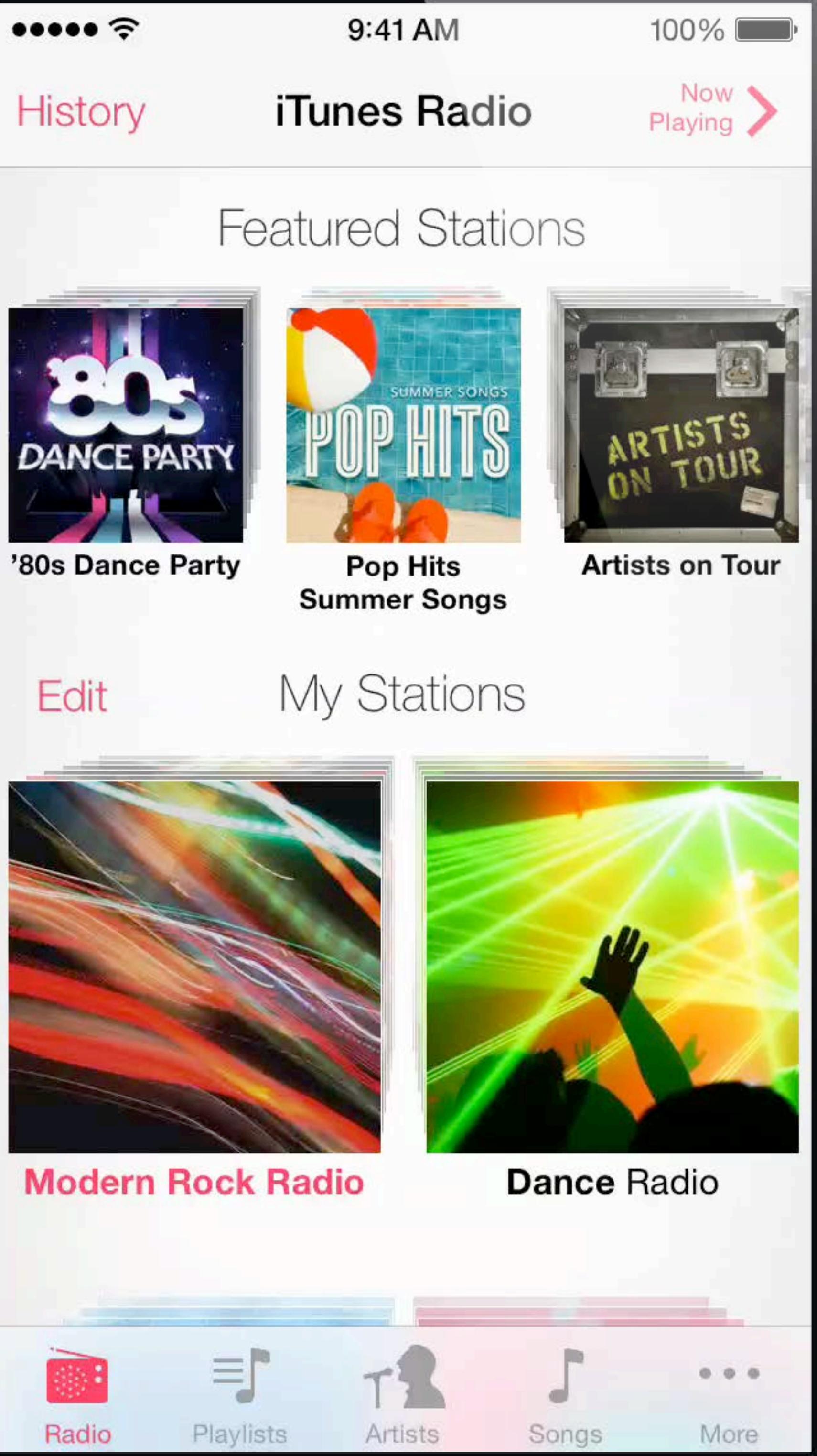


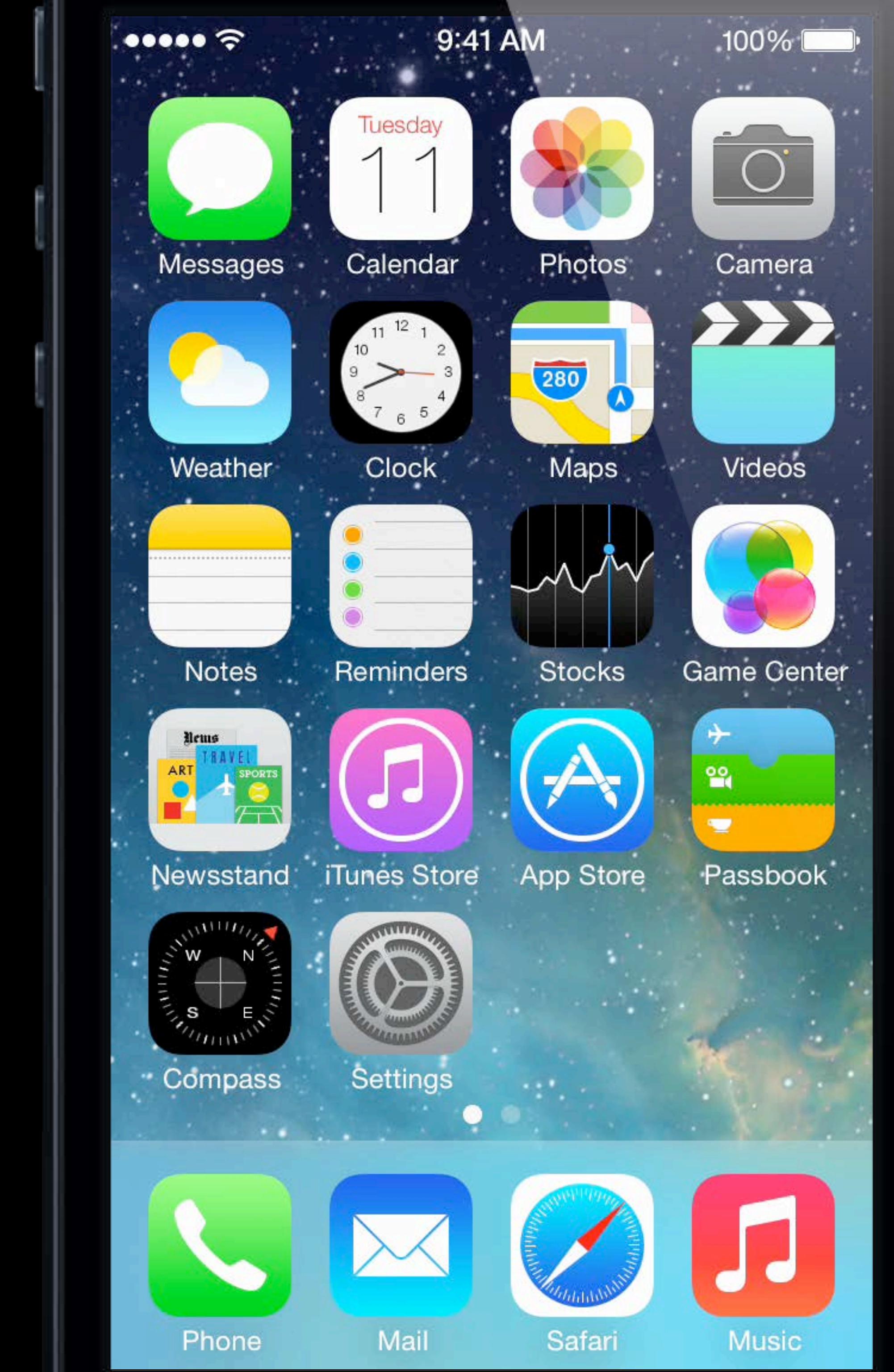


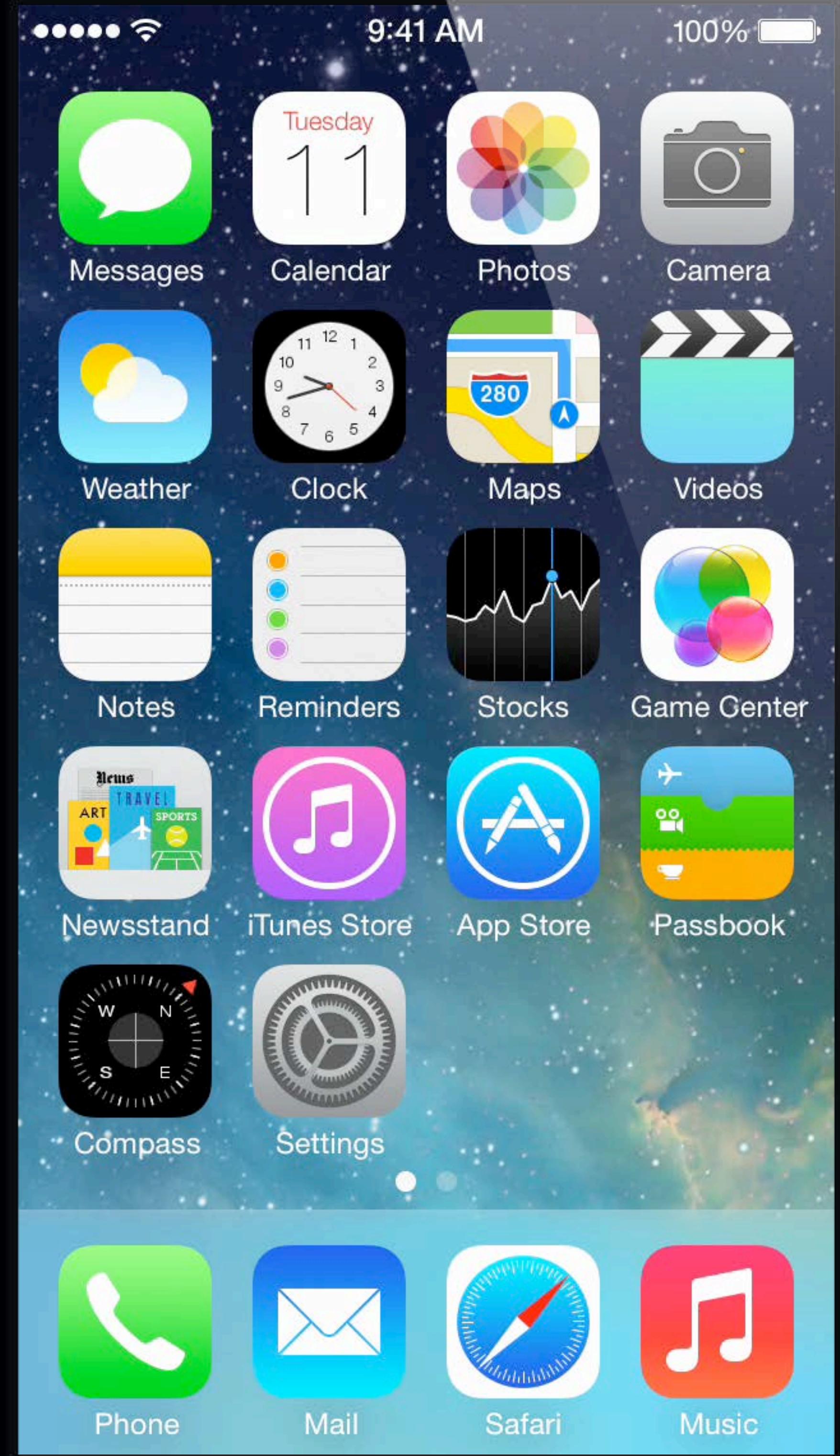
# Implementing Engaging UI on iOS

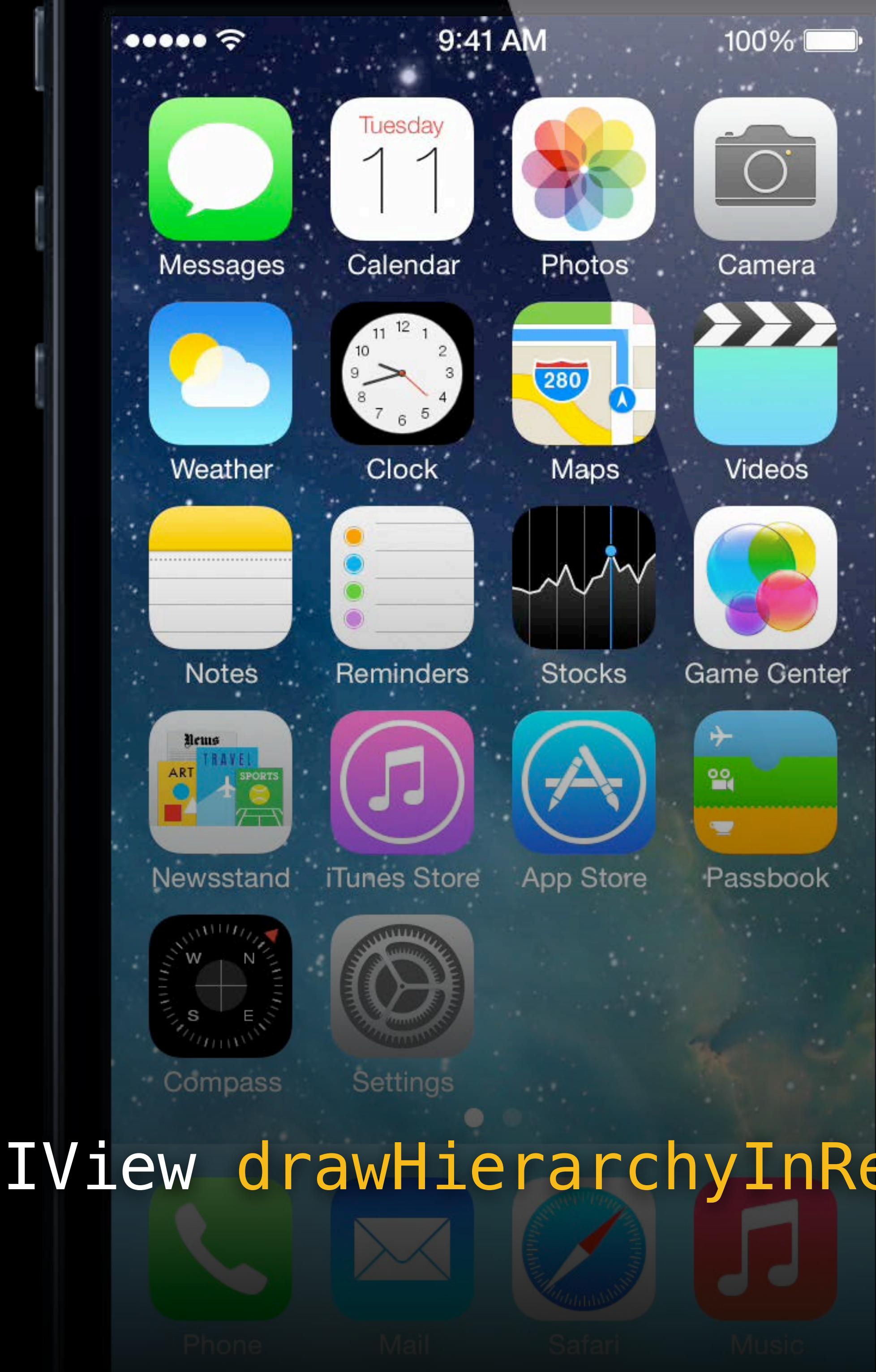
Mission  
Friday 11:30AM











- [UIView drawHierarchyInRect:]

# Implementing Engaging UI on iOS

Mission  
Friday 11:30AM

# Adapting Your App for iOS 7

# Adapting Your App for iOS 7

At a high level

# Adapting Your App for iOS 7

At a high level

- Focus on core functionality

# Adapting Your App for iOS 7

## At a high level

- Focus on core functionality
- Exalt it

# Adapting Your App for iOS 7

## At a high level

- Focus on core functionality
- Exalt it
- Breathe new life

# Adapting Your App for iOS 7

## At a high level

- Focus on core functionality
- Exalt it
- Breathe new life
- Consider Retina's possibilities

# Adapting Your App for iOS 7

On an API level

# Adapting Your App for iOS 7

## On an API level

- Adopt new text APIs

# Adapting Your App for iOS 7

## On an API level

- Adopt new text APIs
- Ensure view controllers are full screen

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- Incorporate adaptive multitasking

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- Create fluid view controller and collection view transitions

# Adapting Your App for iOS 7

## On an API level

- Adopt new text APIs
- Ensure view controllers are full screen
- Incorporate adaptive multitasking
- Create fluid view controller and collection view transitions
- Consider dynamics and motion effects

# Adapting Your App for iOS 7

Supporting both iOS 6 and iOS 7

# Adapting Your App for iOS 7

Supporting both iOS 6 and iOS 7

- Use the iOS 7 UI Transition Guide

# Adapting Your App for iOS 7

Supporting both iOS 6 and iOS 7

- Use the iOS 7 UI Transition Guide
- Autolayout will help

# Adapting Your App for iOS 7

Supporting both iOS 6 and iOS 7

- Use the iOS 7 UI Transition Guide
- Autolayout will help
- Consider backporting a new design

# More Information

**Jake Behrens**

UI Frameworks Evangelist

[behrens@apple.com](mailto:behrens@apple.com)

**Documentation**

iOS 7 UI Transition Guide

<http://developer.apple.com/ios>

**Apple Developer Forums**

<http://devforums.apple.com>

# Related Sessions

What's New in Cocoa Touch	Presidio Tuesday 11:30AM	
What's New with Multitasking	Presidio Tuesday 2:00PM	
Introducing Text Kit	Presidio Wednesday 2:00PM	
Customizing Your App's Appearance for iOS 7	Presidio Wednesday 3:15PM	
Custom Transitions Using View Controllers	Pacific Heights Thursday 11:30AM	
Getting Started with UIKit Dynamics	Presidio Tuesday 4:30PM	

# Related Labs

Cocoa Touch Lab	Frameworks Lab A Tuesday 4:30PM	
Adapting Your Apps for iOS 7 Lab	Frameworks Lab B Wednesday 11:30AM	
UIKit Dynamic Lab	Frameworks Lab A Wednesday 4:30PM	
Text Kit and Core Text Lab	Frameworks Lab B Wednesday 4:30PM	
Appearance Customization for iOS Lab	Frameworks Lab B Thursday 9:00AM	
Cocoa Touch Animation Lab	Frameworks Lab B Thursday 2:00PM	

