

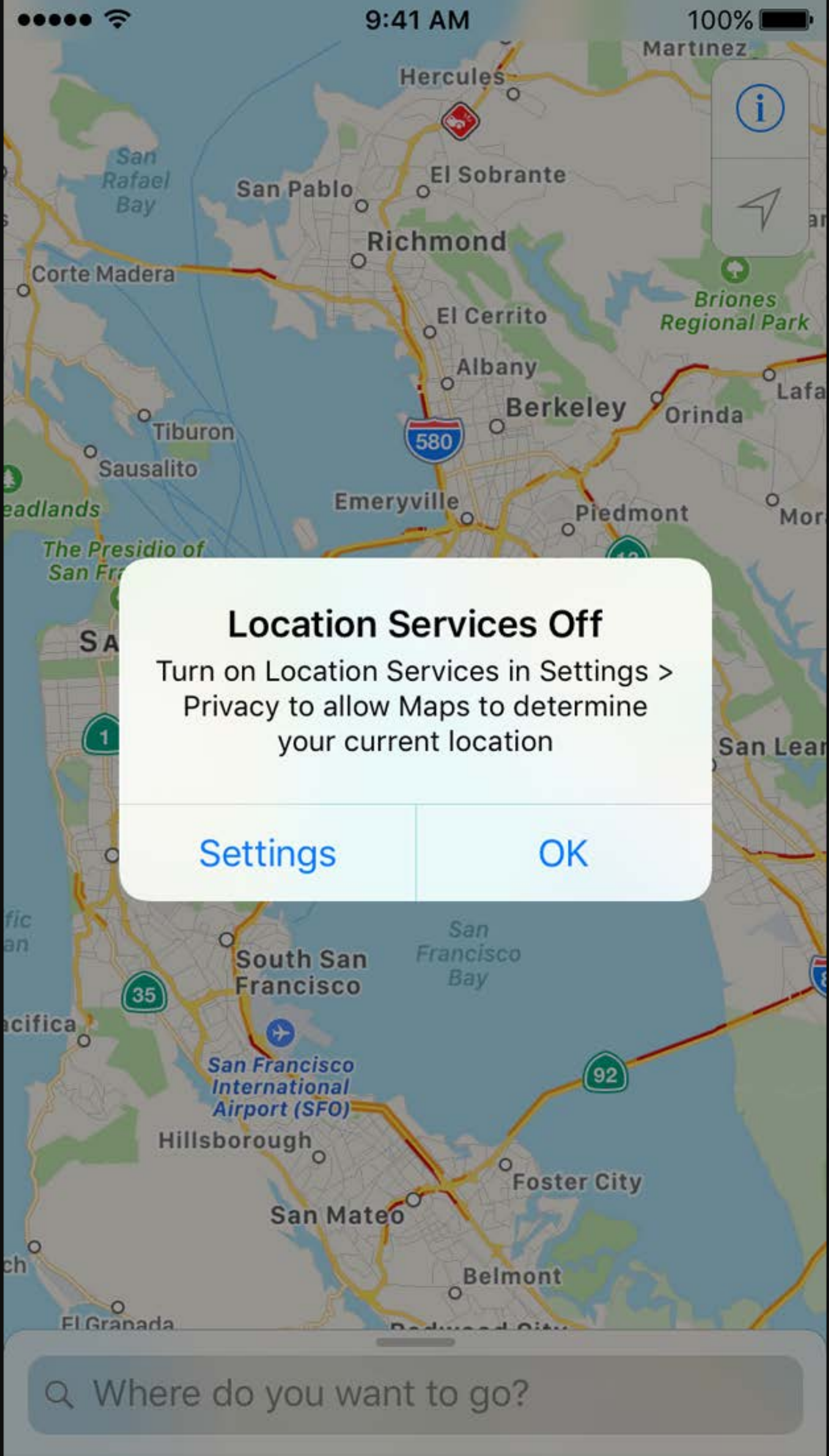
Communication Between Designers and Engineers

Session 809

Eugene Siew, Designer

Reality

Same Terminology



Location Services Off

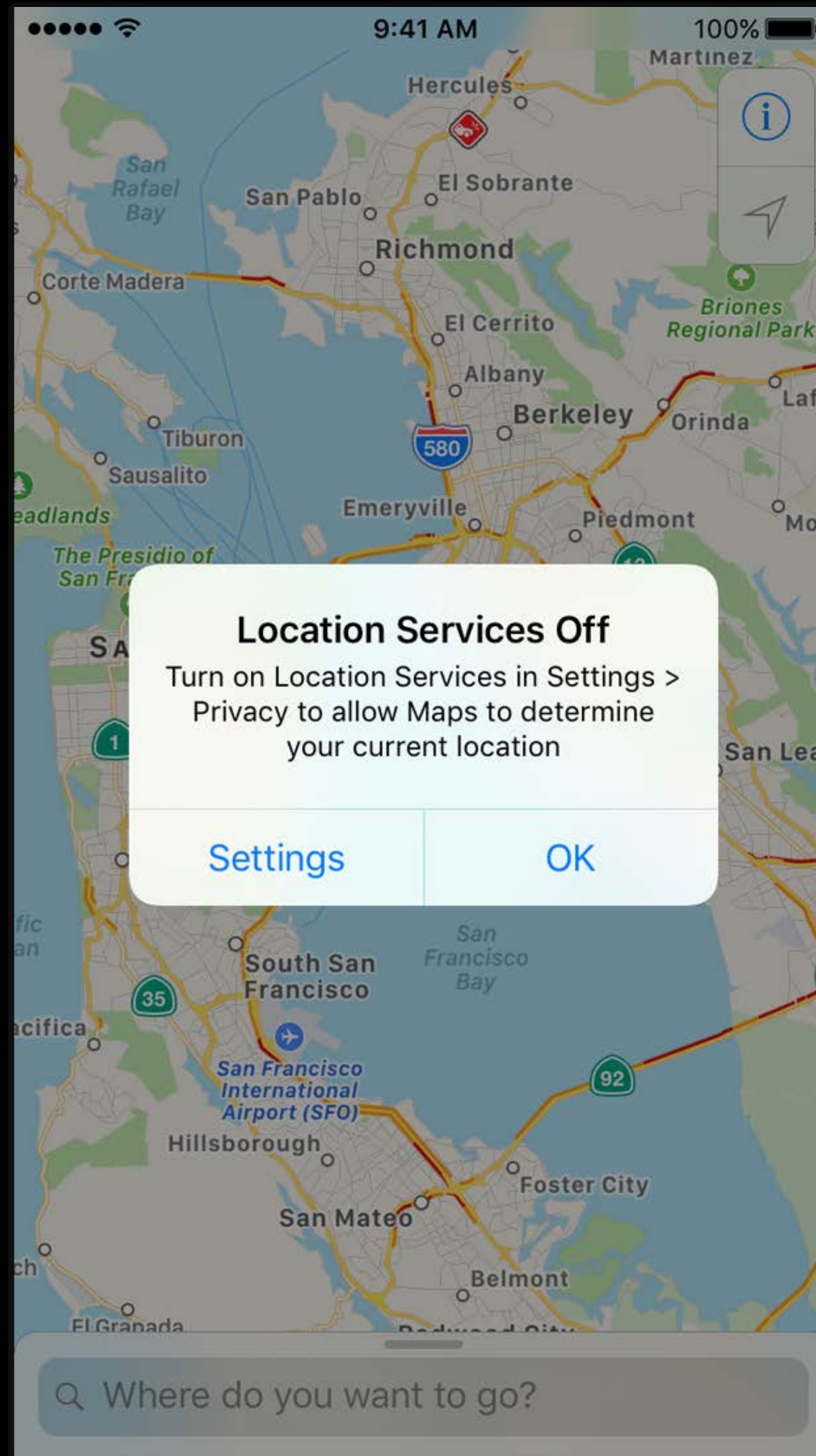
Turn on Location Services in Settings > Privacy to allow Maps to determine your current location

Settings

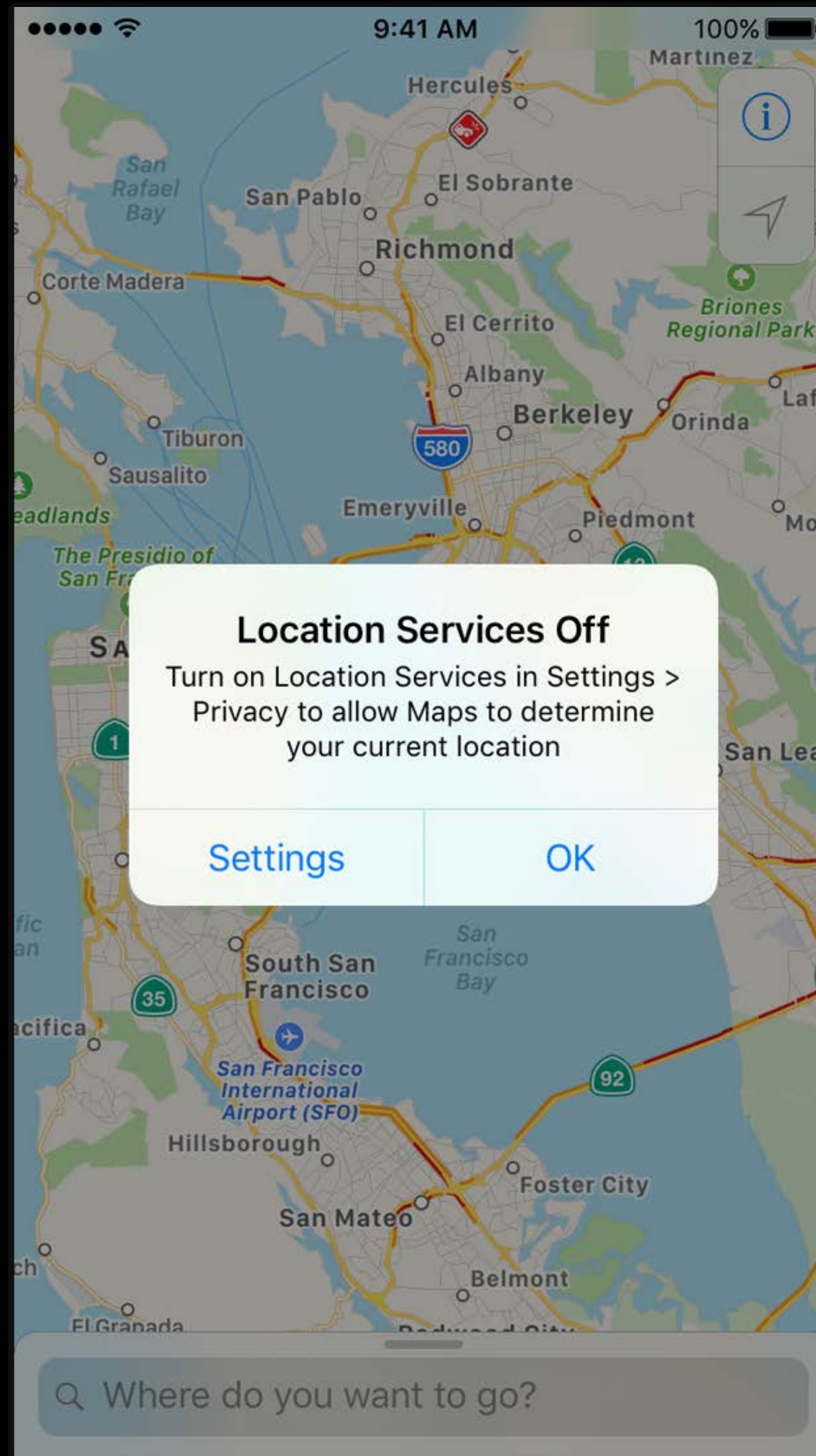
OK

Where do you want to go?

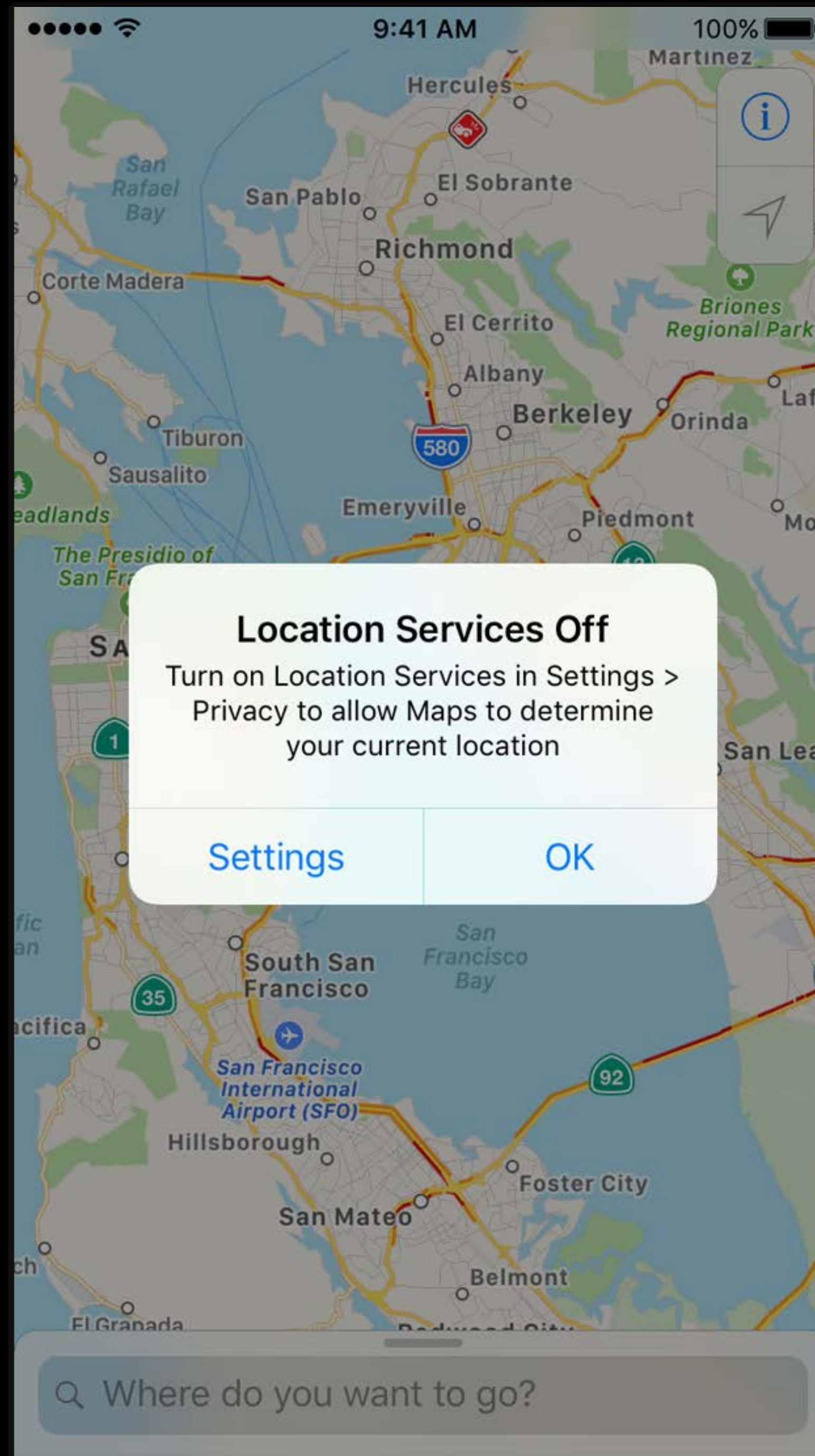
Pop-up



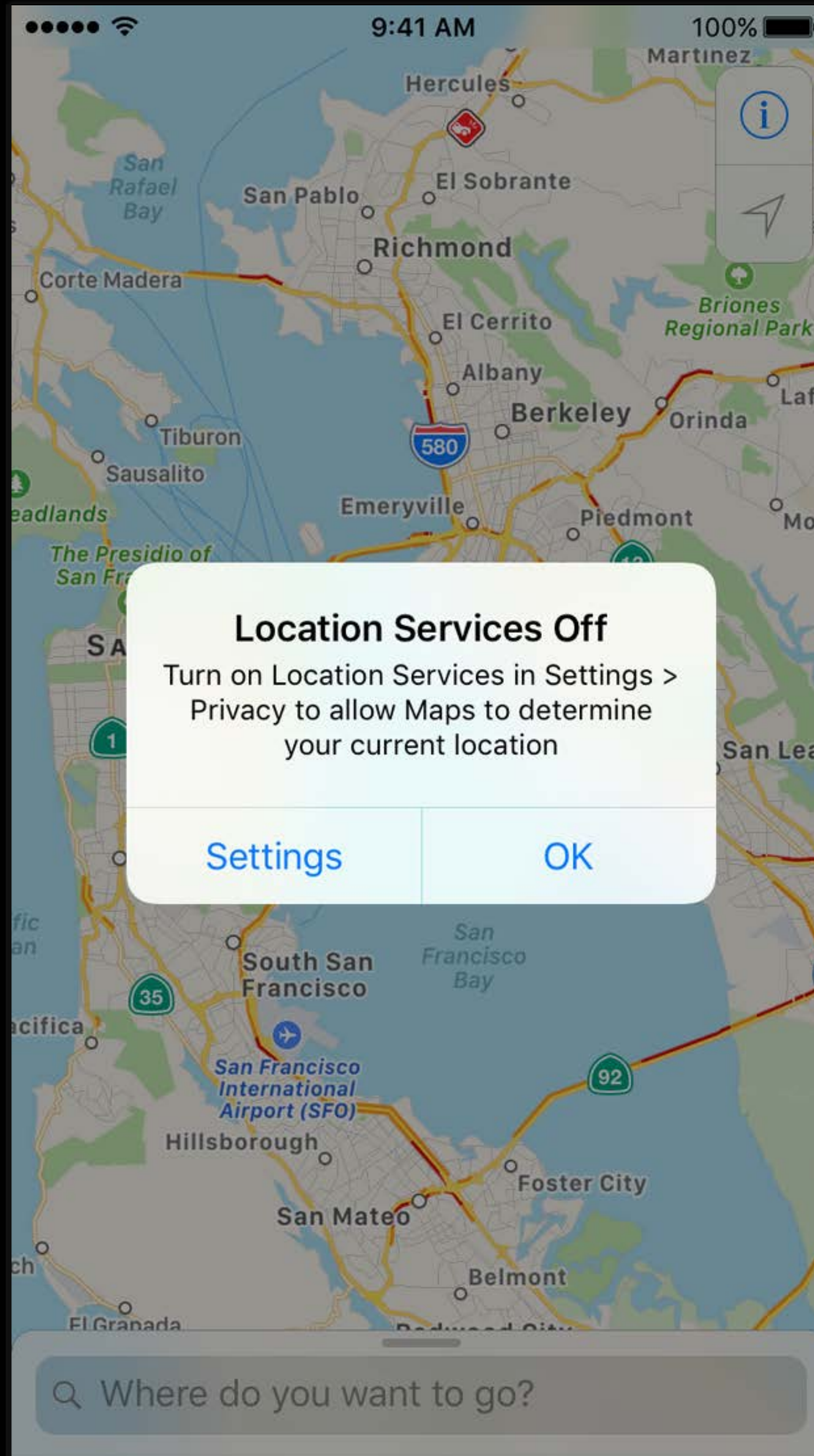
Pop-up Popover

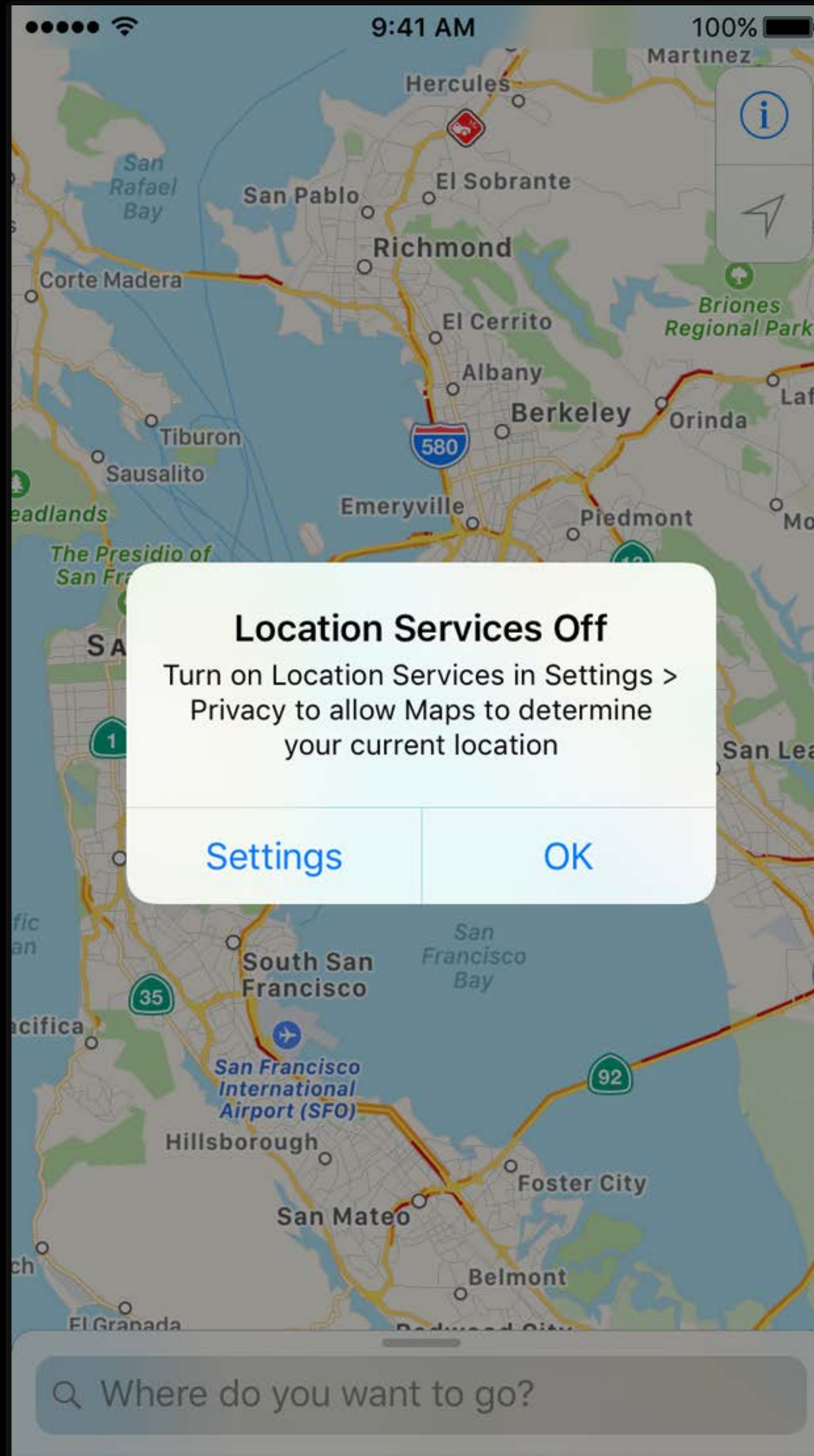


Pop-up
Popover
Modal



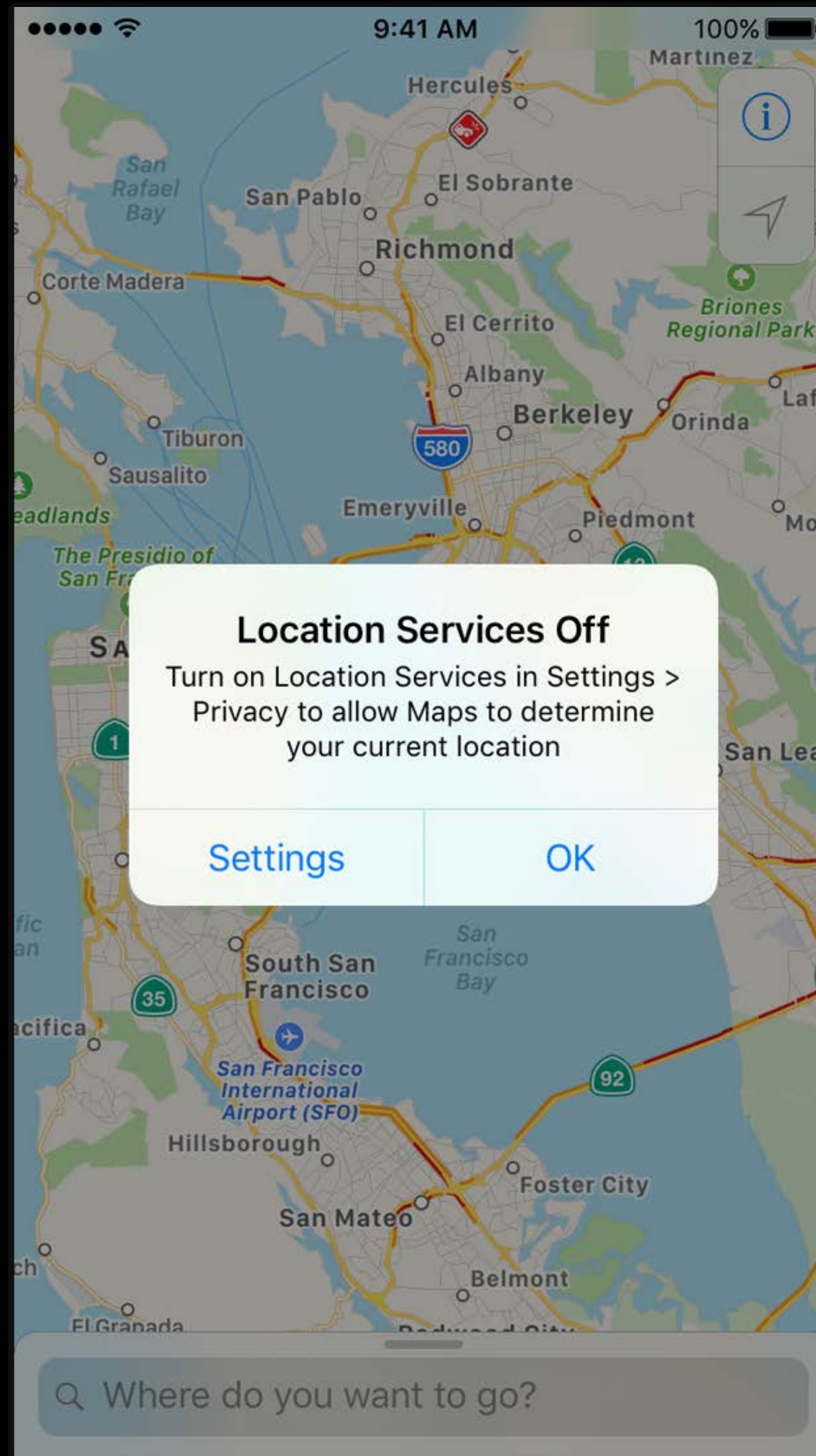
Pop-up
Popover
Modal





UIAlertController

Alert



UIAlertController



9:41 AM

100%

Inbox



Daniel Mai



To: John Appleseed [more...](#)

Check out this event!

Today at 9:10 AM

John,

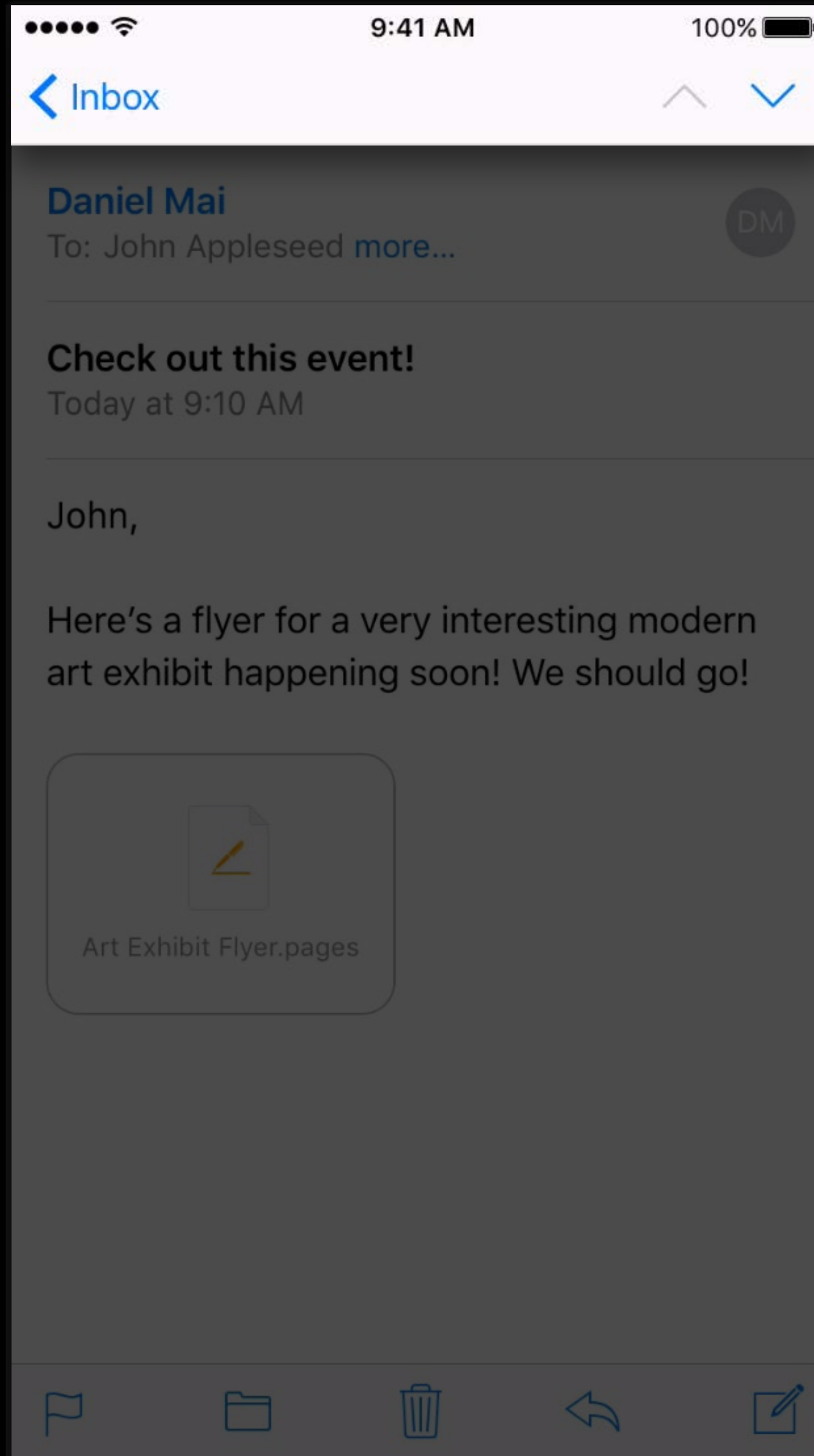
Here's a flyer for a very interesting modern art exhibit happening soon! We should go!



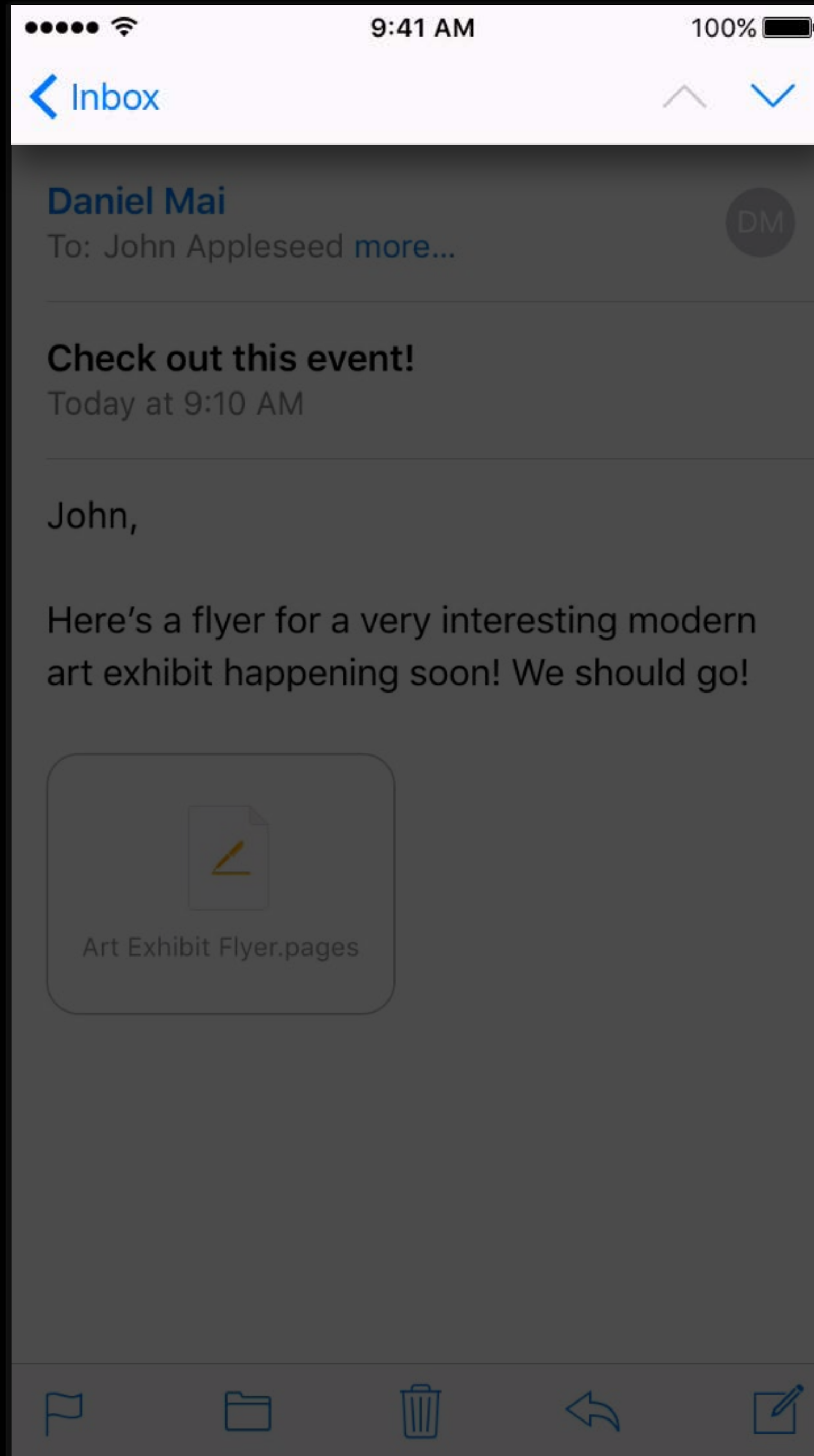
Art Exhibit Flyer.pages



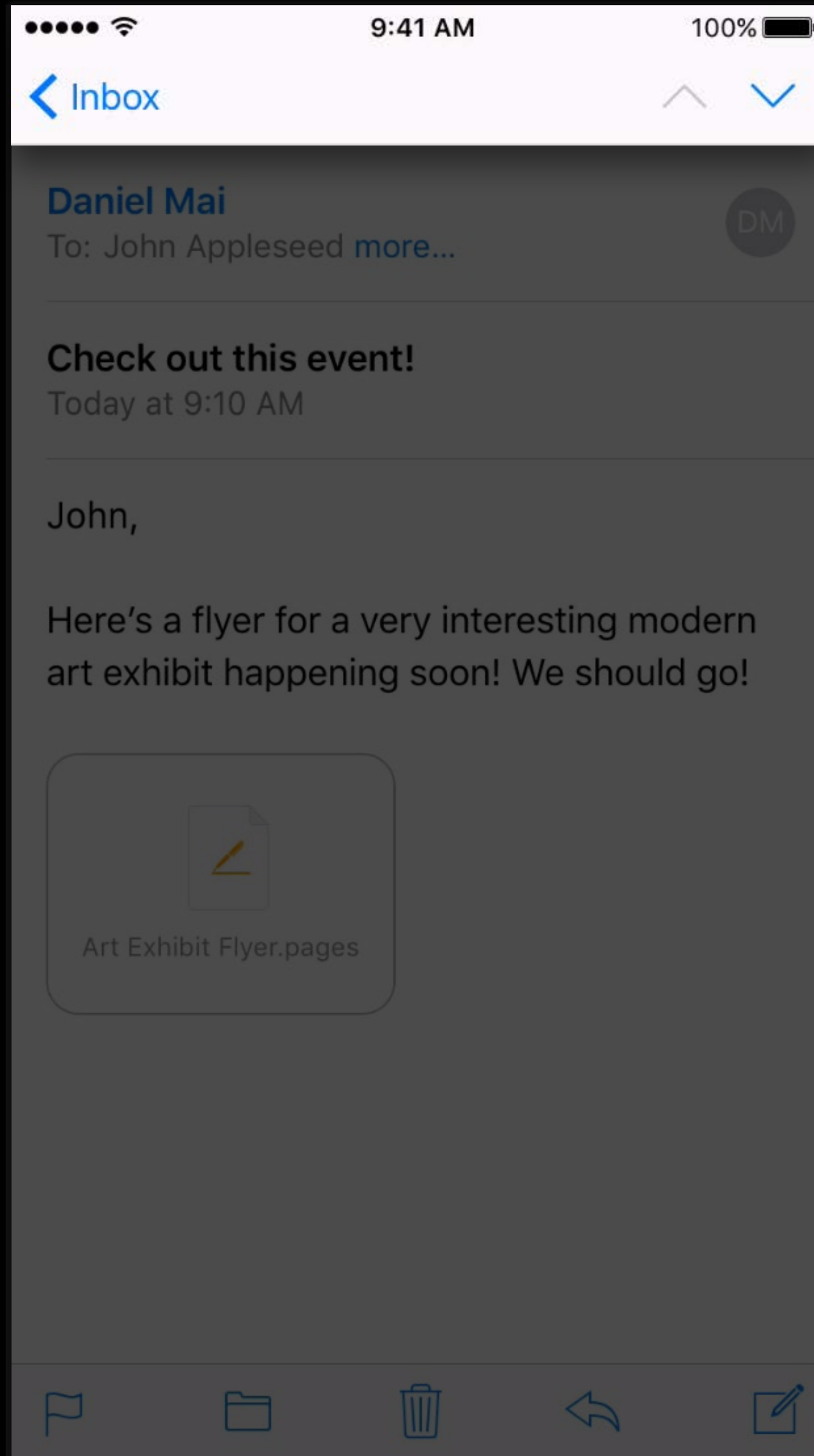
Header



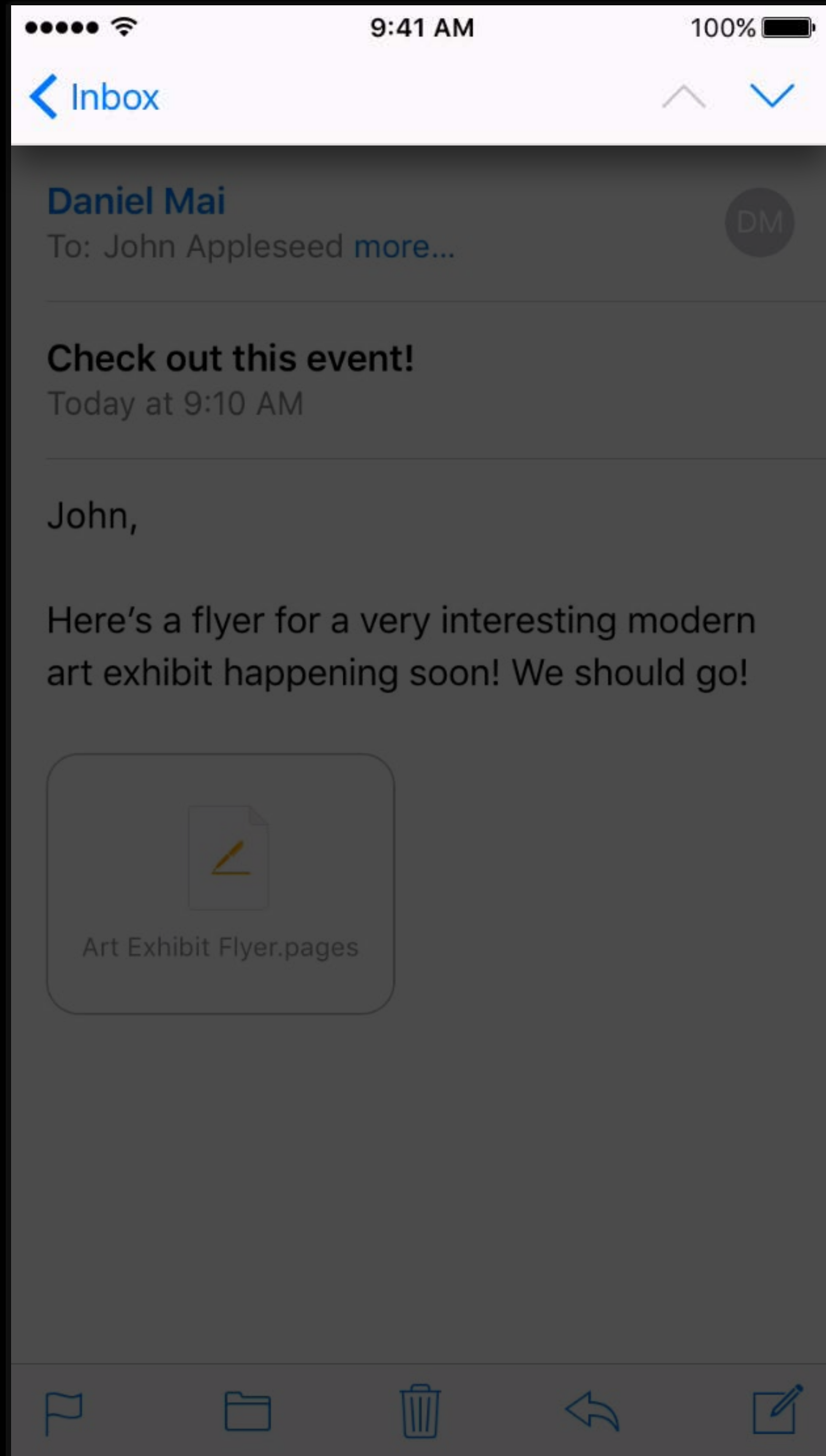
Header Top Tool Bar



Header
Top Tool Bar
Navigation Bar



~~Header~~
~~Top Tool Bar~~
Navigation Bar



UINavigationController



9:41 AM

100%

Inbox



Daniel Mai

To: John Appleseed [more...](#)

DM

Check out this event!

Today at 9:10 AM

John,

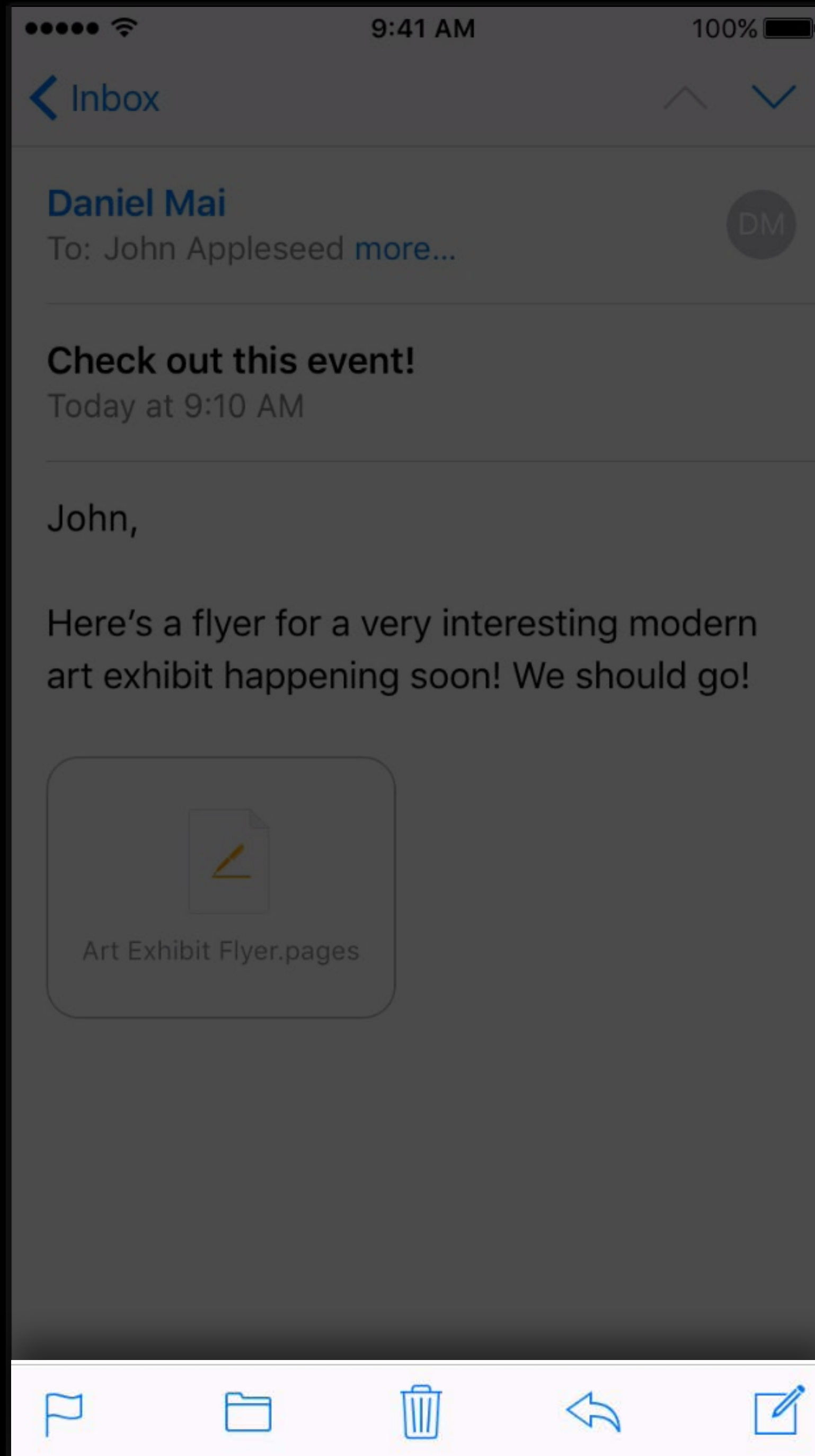
Here's a flyer for a very interesting modern art exhibit happening soon! We should go!



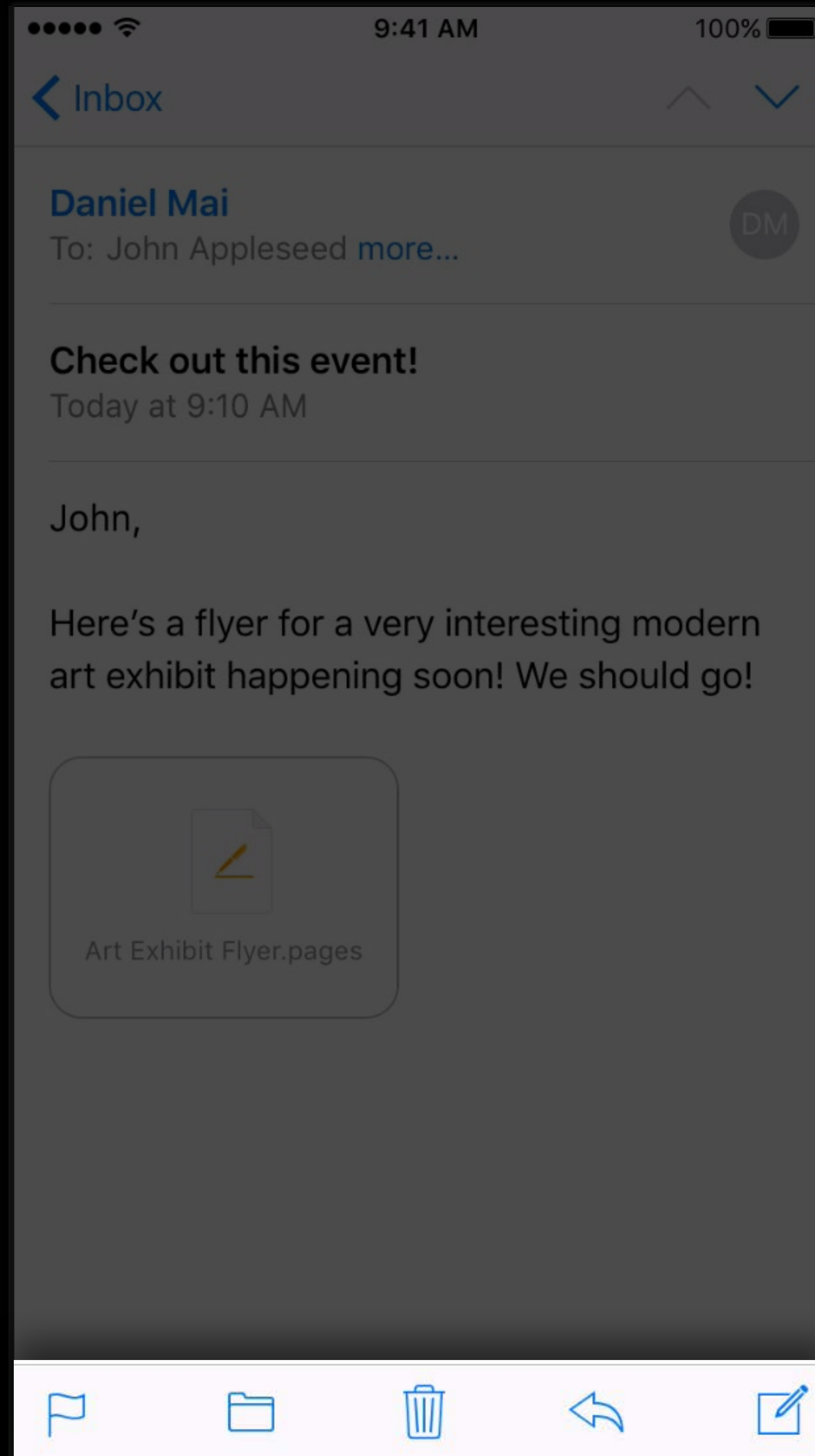
Art Exhibit Flyer.pages



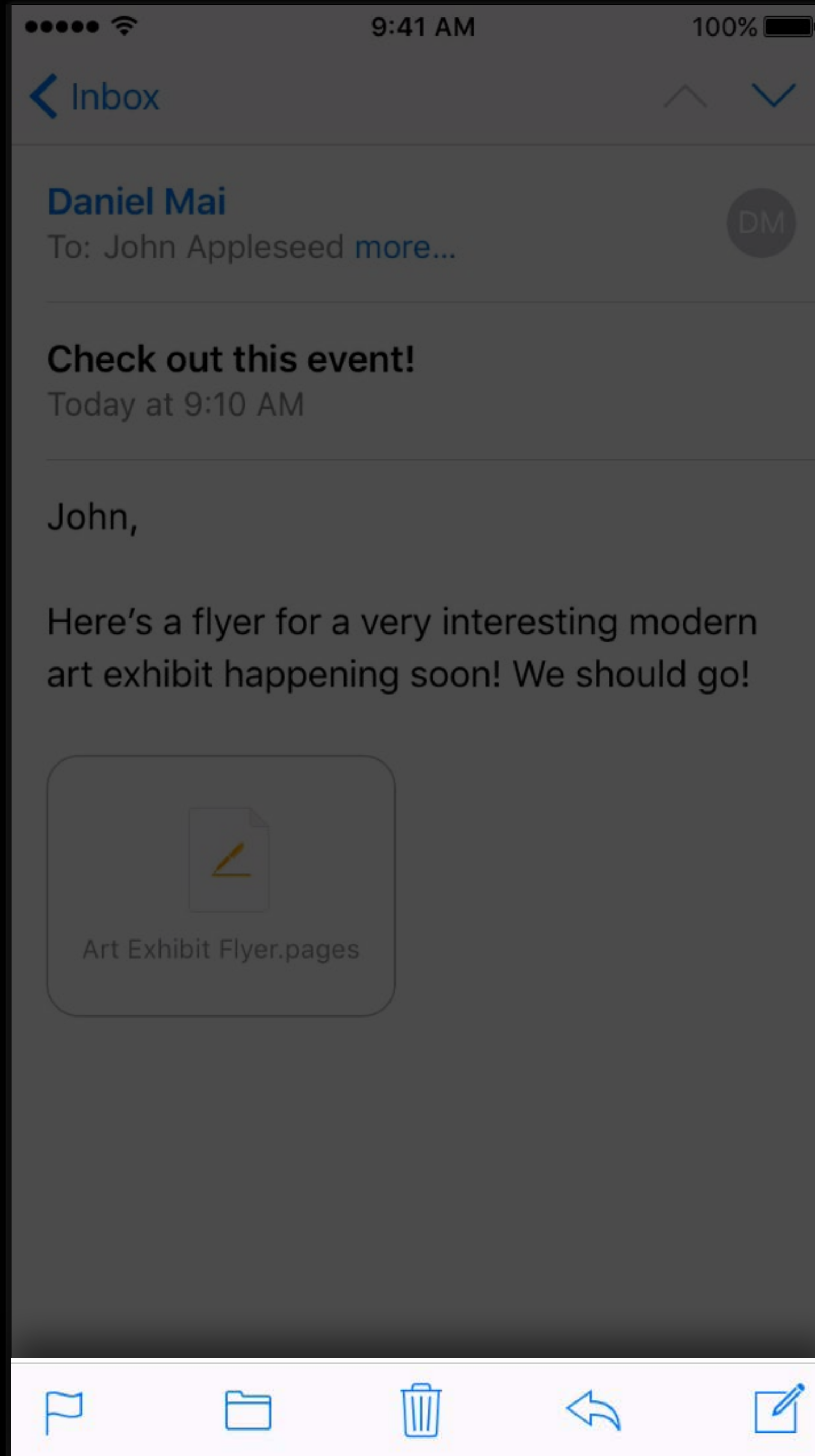
Drawer



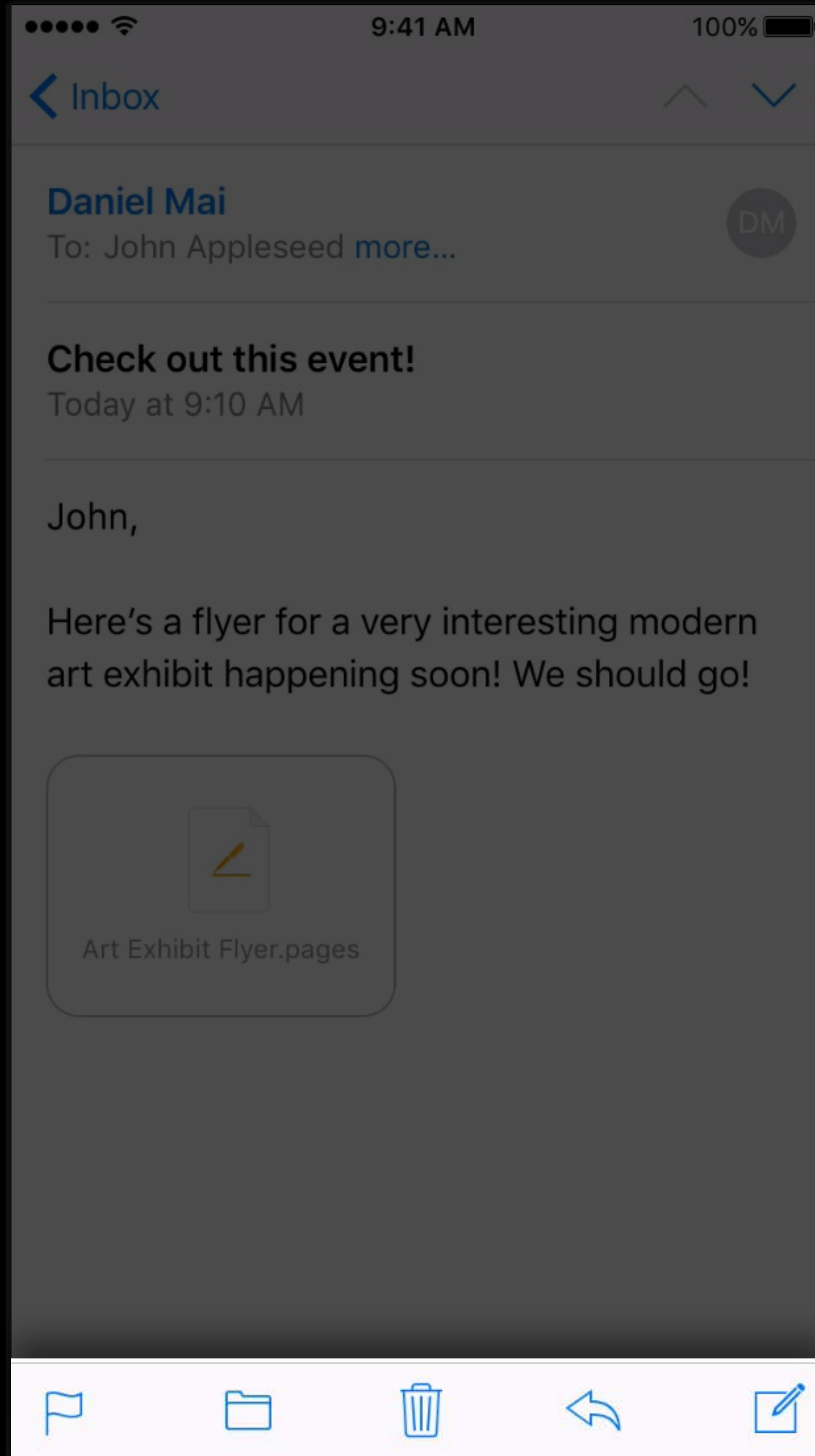
Drawer Tool Bar



Drawer
Tool Bar
Bottom Navigation Bar



~~Drawer~~
~~Tool Bar~~
~~Bottom Navigation Bar~~



UIToolBar

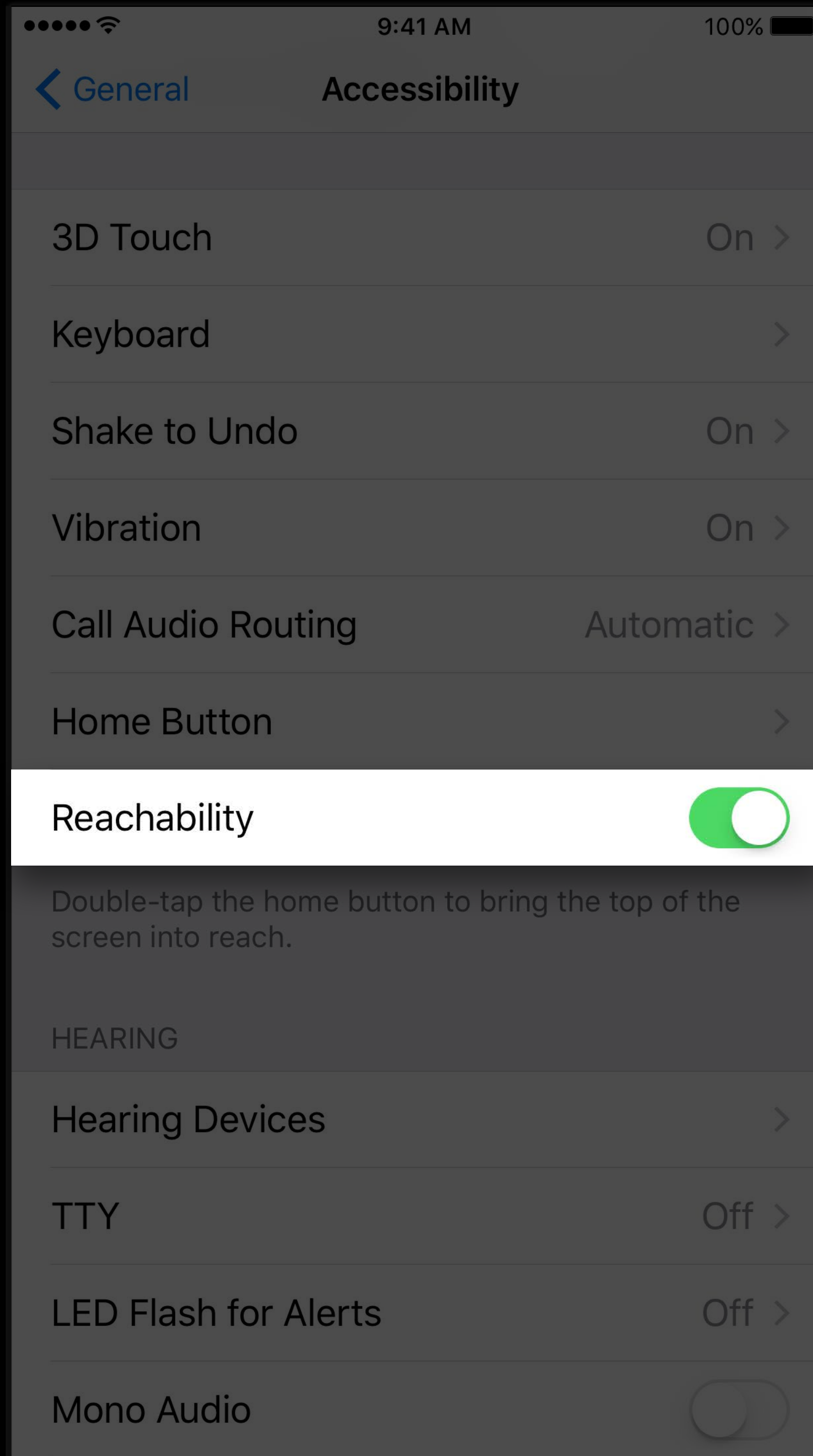
- 3D Touch On >
- Keyboard >
- Shake to Undo On >
- Vibration On >
- Call Audio Routing Automatic >
- Home Button >

Reachability

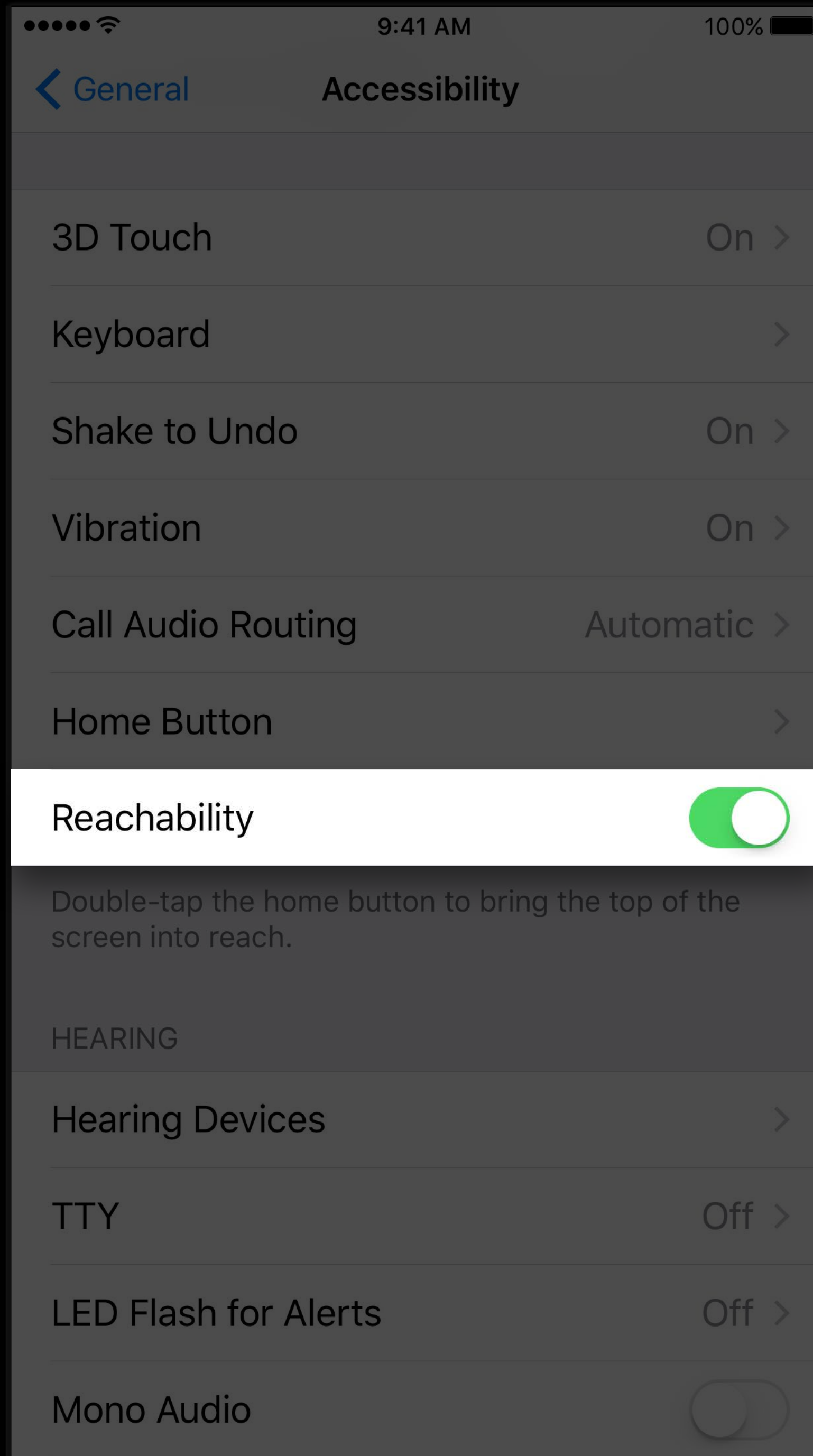
Double-tap the home button to bring the top of the screen into reach.

- HEARING
- Hearing Devices >
 - TTY Off >
 - LED Flash for Alerts Off >
 - Mono Audio

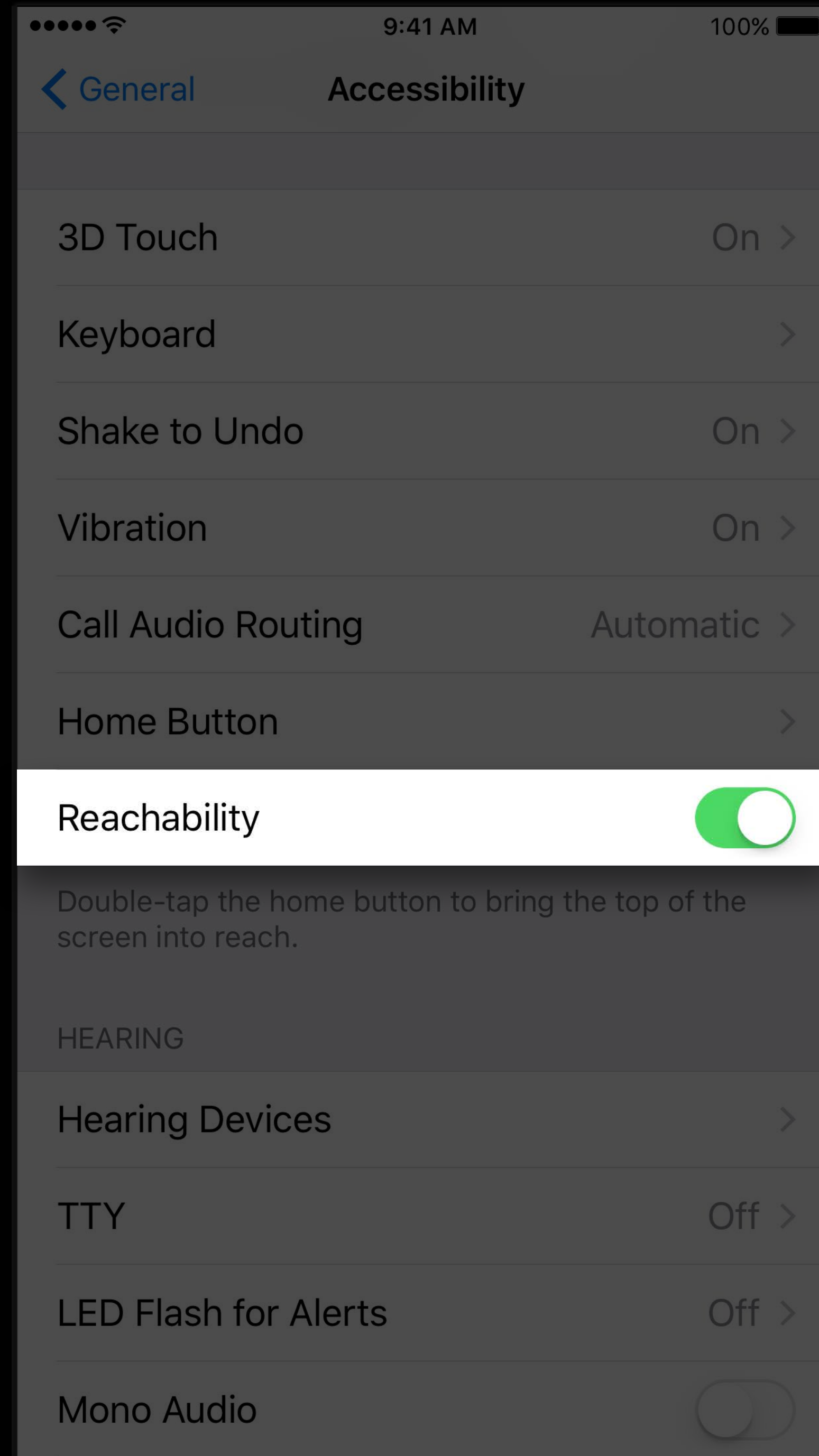
Switch



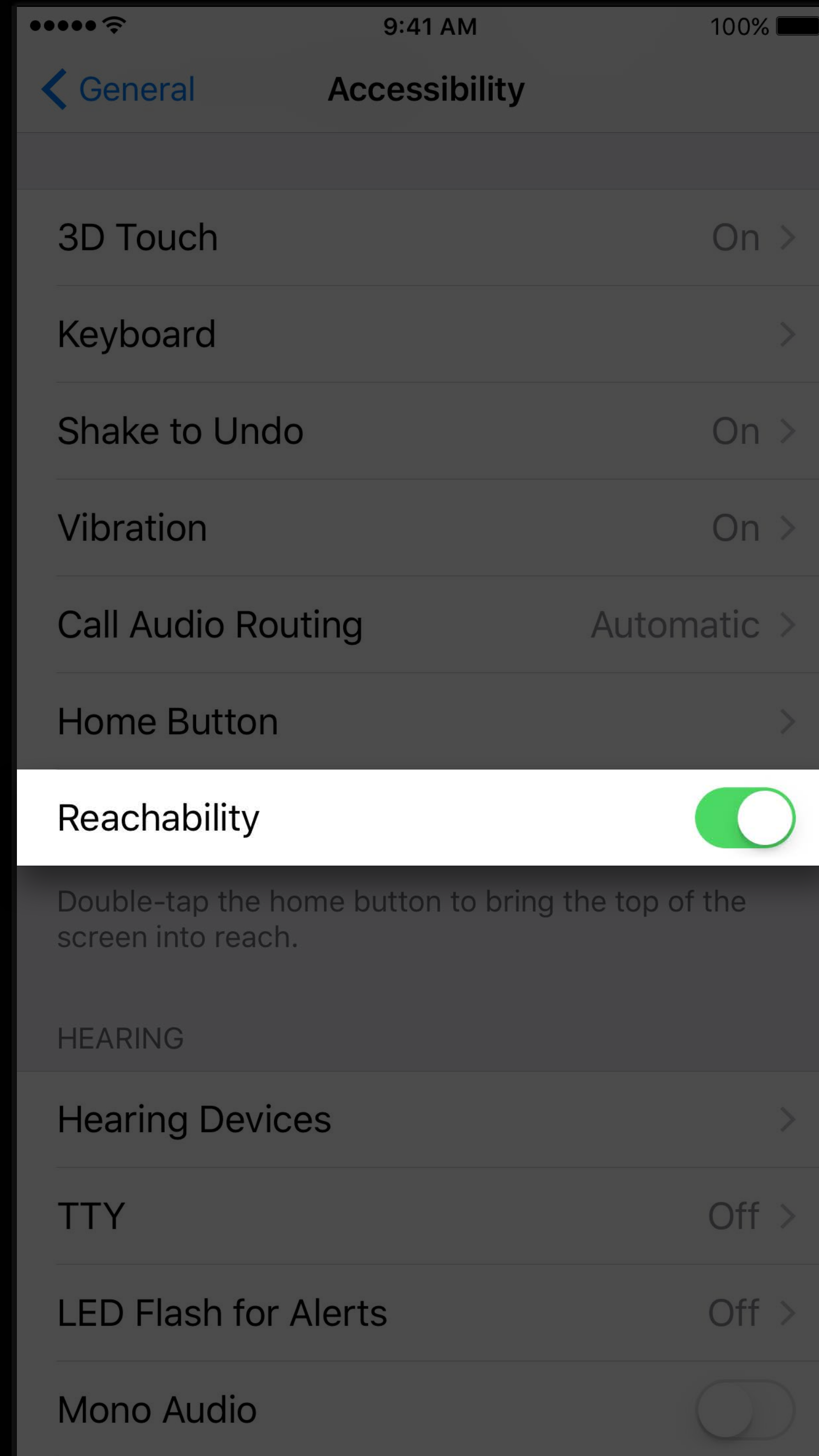
Switch Toggle



**Switch
Toggle
On/Off Slider**



Switch
Toggle
~~On/Off Slider~~



UISwitch





Activities

Post-mortem

Activities

Post-mortem

Pictionary

Activities

Post-mortem

Pictionary

Show and react

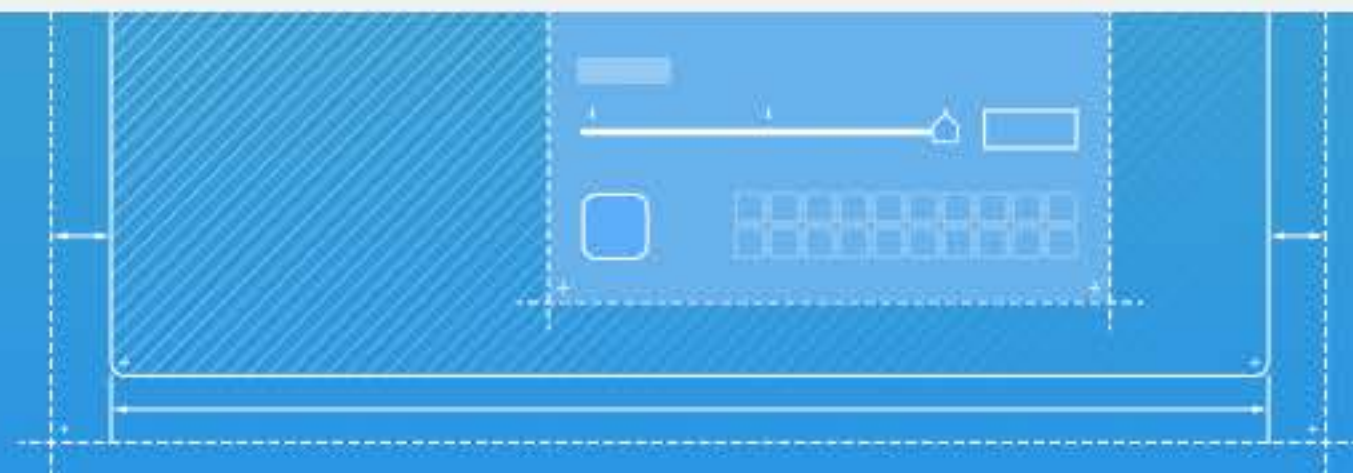
Activities

Post-mortem

Pictionary

Show and react

Report



Human Interface Guidelines

Get in-depth information and UI resources for designing great apps that integrate seamlessly with Apple platforms.

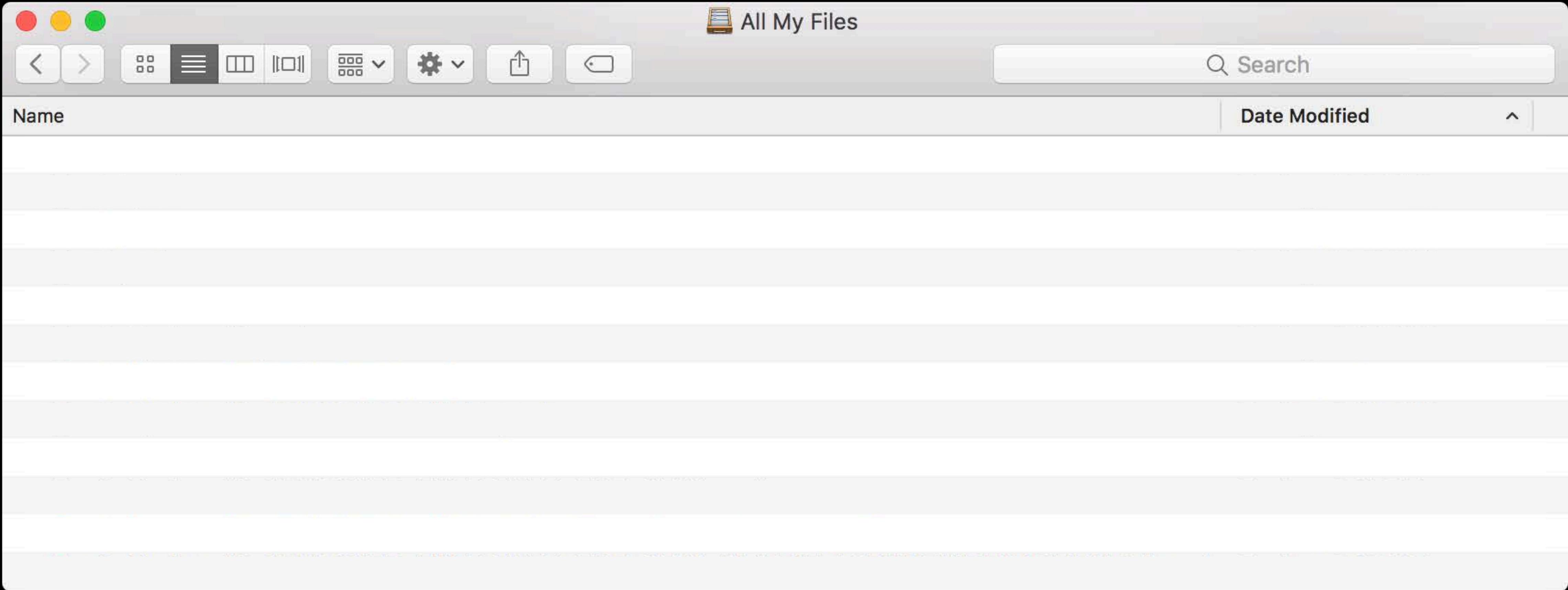
[macOS >](#) [iOS >](#) [watchOS >](#) [tvOS >](#) [CarPlay >](#)



Apple Design Awards

Announcing this

One Source of Truth



macOS Finder window titled "All My Files" showing a list of PSD files. The window includes standard macOS window controls (red, yellow, green buttons) and a toolbar with navigation and utility icons. A search bar is located in the top right corner.

Name	Date Modified
v1.1.psd	Today, 9:41 AM
v1.1a.psd	Today, 9:47 AM
v2.psd	Today, 9:52 AM
v3.psd	Today, 10:01 AM
v3-Updated.psd	Today, 10:03 AM
v3-Updated2.psd	Today, 10:20 AM
v3-Updated2-APPROVED.psd	Today, 10:28 AM
v3-Updated2-APPROVED-FINAL.psd	Today, 10:34 AM
v3-Updated2-APPROVED-FINALFINAL.psd	Today, 10:45 AM
v3-Updated2-APPROVED-FINALFINAL-FOR-REAL.psd	Today, 10:48 AM
v3-Updated2-APPROVED-FINALFINAL-FOR-REAL-PLEASE.psd	Today, 10:53 AM
v3-Updated2-APPROVED-FINALFINAL-FOR-REAL-PLEASE-AREYOUKIDDINGME?!@#.psd	Today, 10:59 AM

#DesignerLife



Focus







9:41 AM

100%

[Settings](#)

General

About >

Software Update >

Emergency SOS >

Spotlight Search >

Handoff >

CarPlay >

Accessibility >

Storage & iCloud Usage >

Background App Refresh >

Restrictions >



9:41 AM

100%

[Settings](#)

General

About >

Software Update >

Emergency SOS >

Spotlight Search >

Handoff >

CarPlay >

Accessibility >

Storage & iCloud Usage >

Background App Refresh >

Restrictions >

Worth the Effort?

Activities

Use cases

Activities

Use cases

Free resources

Activities

Use cases

Free resources

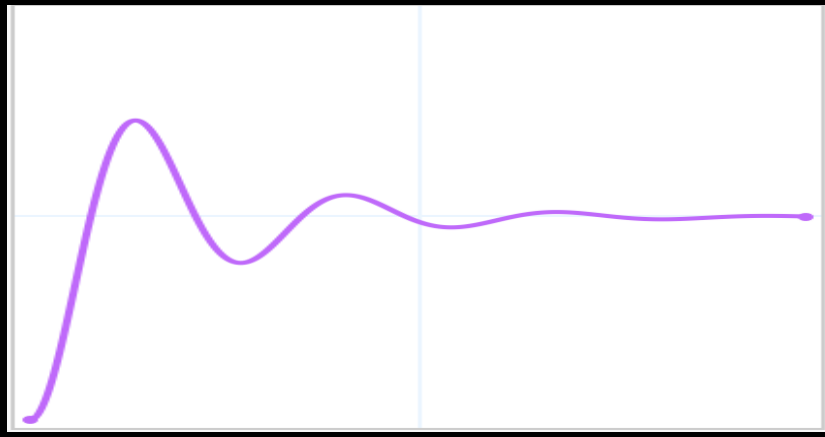
Accessibility

Show > Tell

Show > Tell

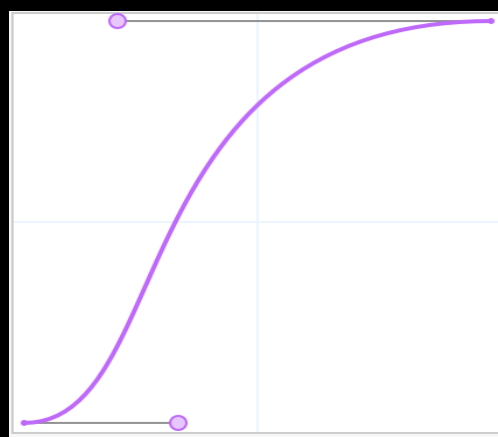
Demonstrate

CUSTOM SPRING ANIMATION VALUES



Mass: 1
Stiffness: 500
Damping: 23
Initial Velocity: 0
Duration: 1s

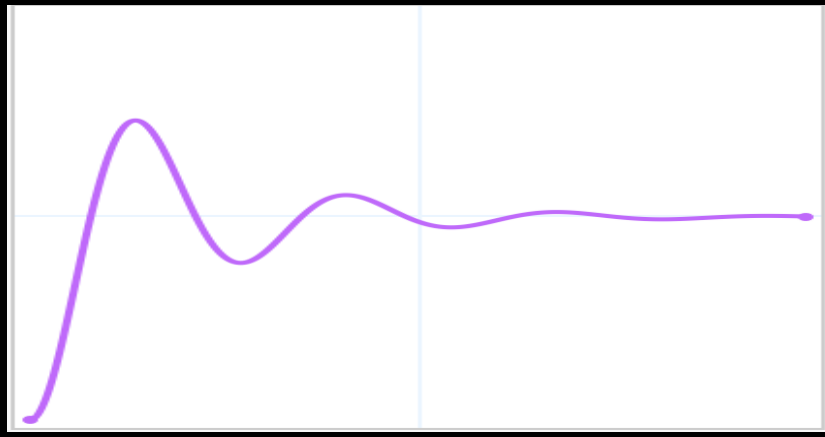
CUSTOM CUBIC BEZIER CURVE



```
anim.timingFunction =  
CAMediaTimingFunction  
(controlPoints: 0.33,  
0.0, 0.20, 1.0)
```

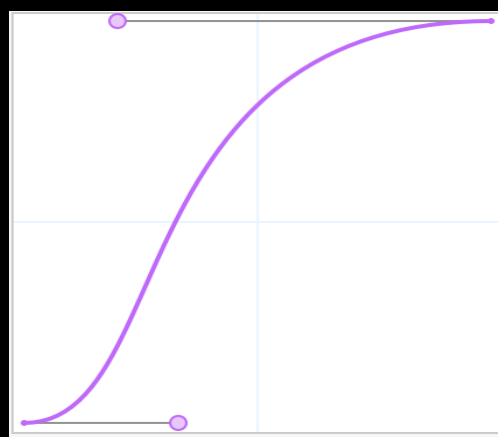


CUSTOM SPRING ANIMATION VALUES



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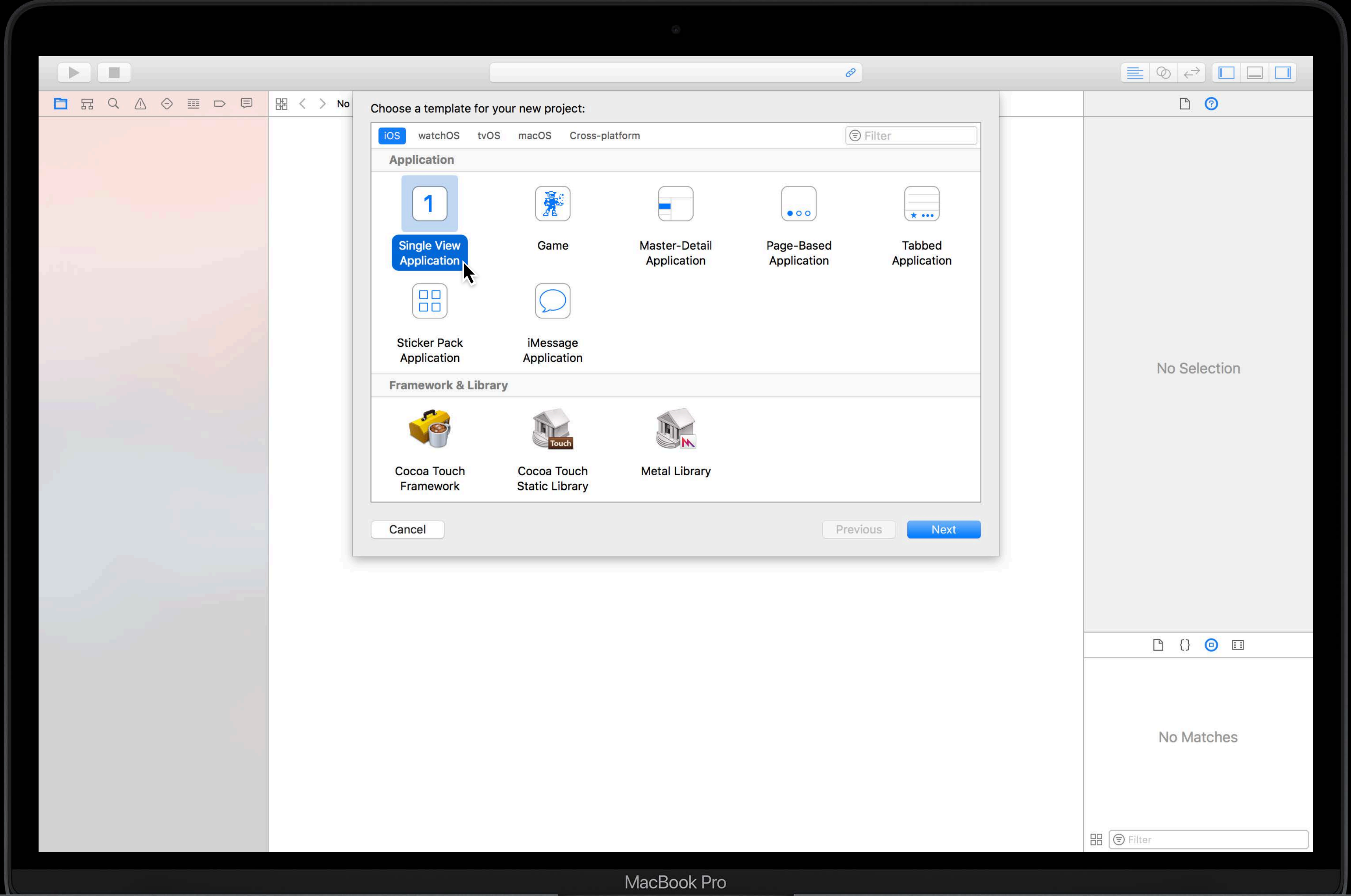
CUSTOM CUBIC BEZIER CURVE



```
anim.timingFunction =  
CAMediaTimingFunction  
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0.0, 0.20, 1.0)
```



Use Xcode



Choose a template for your new project:

ios watchOS tvOS macOS Cross-platform Filter

Application

- 1 Single View Application
- Game
- Master-Detail Application
- Page-Based Application
- Tabbed Application
- Sticker Pack Application
- iMessage Application

Framework & Library

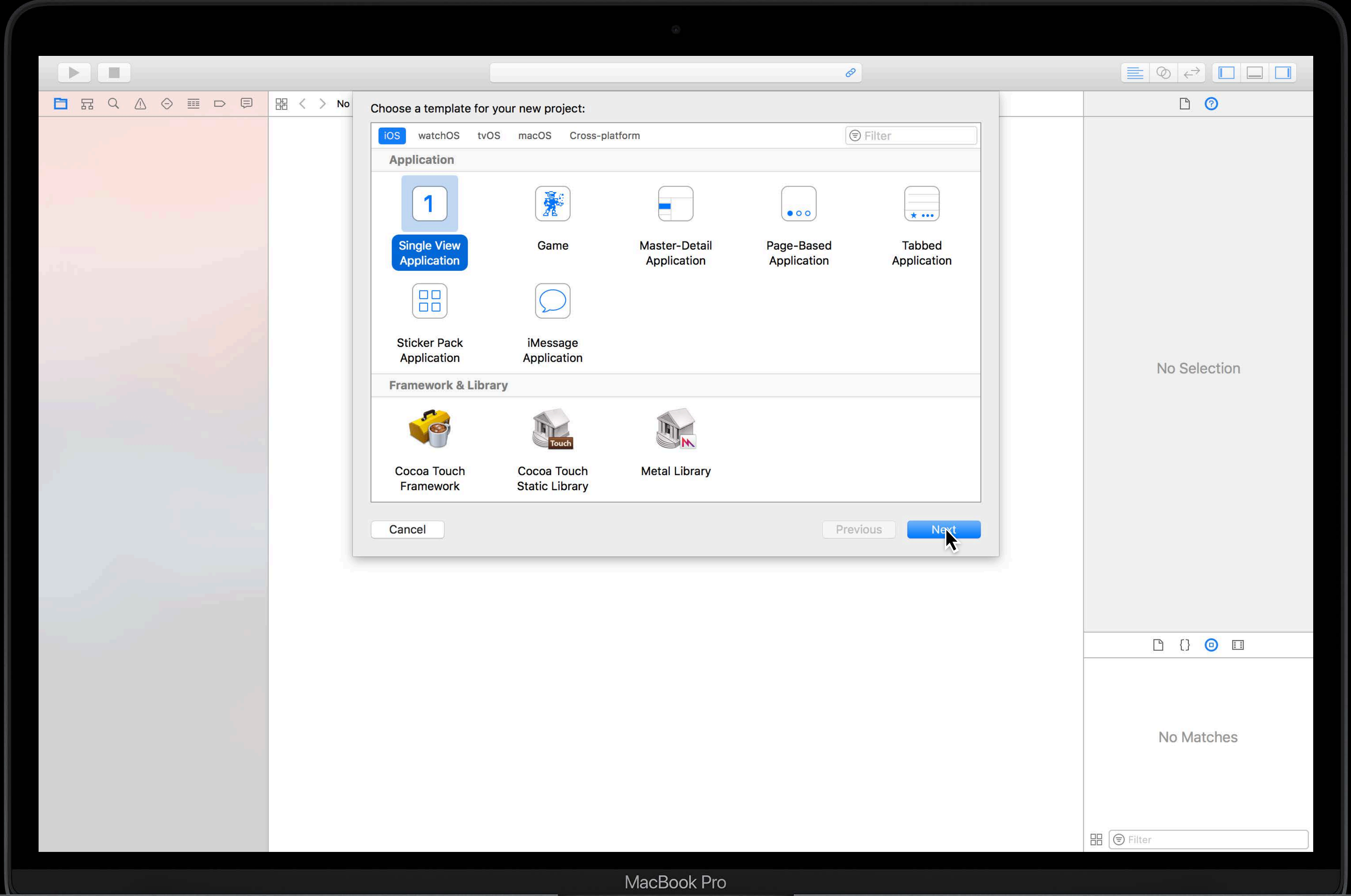
- Cocoa Touch Framework
- Cocoa Touch Static Library
- Metal Library

Cancel Previous Next

No Selection

No Matches

MacBook Pro



Choose a template for your new project:

ios watchOS tvOS macOS Cross-platform Filter

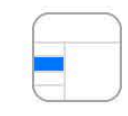
Application



Single View Application



Game



Master-Detail Application



Page-Based Application



Tabbed Application



Sticker Pack Application



iMessage Application

Framework & Library



Cocoa Touch Framework



Cocoa Touch Static Library



Metal Library

Cancel

Previous

Next

No Selection

No Matches

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WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Assets.xcassets > Applcon


















WWDC17

- WWDC17
 - AppDelegate.swift
 - ViewController.swift
 - Main.storyboard
 - Assets.xcassets** M
 - LaunchScreen.storyboard
 - Info.plist
 - WWDC17.xcdatamodeld
 - Products

Applcon

Applcon

App Icon

 2x	 3x	 2x	 3x	
iPhone Notification iOS 7-10 20pt		iPhone Spotlight - iOS 5,6 Settings - iOS 5-10 29pt		
 2x	 3x	 2x	 3x	
iPhone Spotlight iOS 7-10 40pt		iPhone App iOS 7-10 60pt		
 1x	 2x	 1x	 2x	
iPad Notifications iOS 7-10 20pt		iPad Settings iOS 5-10 29pt		
 1x	 2x	 1x	 2x	 2x
iPad Spotlight iOS 7-10 40pt		iPad App iOS 7-10 76pt		iPad Pro App iOS 9-10 83.5pt

Quick Help

No Quick Help

[Search Documentation](#)

View Controller - A controller that manages a view.

Storyboard Reference - Provides a placeholder for a view controller in an external storyboard.

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

Filter

Show Slicing

MacBook Pro

WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Assets.xcassets > Applcon

WWDC17

- WWDC17
 - AppDelegate.swift
 - ViewController.swift
 - Main.storyboard
 - Assets.xcassets** M
 - LaunchScreen.storyboard
 - Info.plist
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App Icon

App Icon

Quick Help

No Quick Help

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Filter

Show Slicing

Filter

WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Main.storyboard > Main.storyboard (Base) > No Selection

WWDC17

- WWDC17
 - AppDelegate.swift
 - ViewController.swift
 - Main.storyboard**
 - Assets.xcassets M
 - LaunchScreen.storyboard
 - Info.plist
 - WWDC17.xcdatamodeld
 - Products

View Controller Scene

View Controller

No Selection

View Controller - A controller that manages a view.

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View as: iPhone 7 (w C h R) 100%

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WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Main.storyboard > Main.storyboard (Base) > No Selection

WWDC17

- WWDC17
 - AppDelegate.swift
 - ViewController.swift
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MacBook Pro

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WWDC17

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 - AppDelegate.swift
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 - Main.storyboard M
 - Assets.xcassets M
 - LaunchScreen.storyboard
 - Info.plist
 - WWDC17.xcdatamodeld
 - Products

View Controller Scene

- View Controller
 - Top Layout Guide
 - Bottom Layout Guide
 - View
 - Switch
 - First Responder
 - Exit
 - Storyboard Entry Point

No Selection

Switch
UISwitch

Displays an element that shows the user the boolean state of a given value. By tapping the control, the state can be toggled.

Done

Slider - Displays a continuous range of values and allows the selection of a single value.

Switch - Displays an element showing the boolean state of a value. Allows tapping the control to toggle t...

Activity Indicator View - Provides feedback on the progress of a task or process of unknown duration.

View as: iPhone 7 (w C h R) 100%

WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Main.storyboard > Main.storyboard (Base) > No Selection

WWDC17

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MacBook Pro

WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Main.storyboard > Main.st...rd (Base) > View Co...r Scene > View Controller > View > Table View > list1

WWDC17

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 - Products

View Controller Scene

- View Controller
 - Top Layout Guide
 - Bottom Layout Guide
 - View
 - Switch
 - Table View
 - list1
 - Content View
 - list2
 - list3
 - First Responder
 - Exit
 - Storyboard Entry Point

Prototype Cells

Table View
Prototype Content

Table View Cell

Style: Custom

Identifier: list1

Selection: None

Accessibility: **Disclosure Indicator**

- Detail Disclosure
- Checkmark
- Detail

Indentation: Level 1, Width 0

Indent While Editing

Shows Re-order Controls

Separator: Default Insets

View

Content Mode: Scale To Fill

Semantic: Unspecified

Tag: 0

Interaction: User Interaction Enabled

Multiple Touch

Alpha: 1

Background: [Color Picker]

Tint: Default

Drawing: Opaque

- Hidden
- Clears Graphics Context
- Clip To Bounds
- Autorelease Subviews

Vertical Stack View - Arranges views linearly.

Table View - Displays data in a list of plain, sectioned, or grouped rows.

Table View Cell - Defines the attributes and behavior of cells (rows) in a table view.

View as: iPhone 7 (wC hR) | 100%

WWDC17: Ready | Today at 9:41 AM

WWDC17 > WWDC17 > Main.storyboard > Main.st...rd (Base) > View Co...r Scene > View Controller > View > Table View > list1

WWDC17

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Focus Style: Detail

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View as: iPhone 7 (wC hR) | 100%

Activities

Face-to-face

Activities

Face-to-face

Tweak/explore

Activities

Face-to-face

Tweak/explore

Check-ins

Summary

Summary

Same terminology

Summary

Same terminology

One source

Summary

Same terminology

One source

Focus

Summary

Same terminology

One source

Focus

Show > Tell

Communicate!

