VoiceOver: App Testing Beyond The Visuals

Session 226

James Vest, Apple Quality Assurance Engineer
Learning VoiceOver can help make your app more usable for everyone.
Agenda

What VoiceOver is
Agenda

What VoiceOver is
Why you should support VoiceOver
How to use VoiceOver
Agenda

What VoiceOver is
Why you should support VoiceOver
How to use VoiceOver
How VoiceOver benefits your app
What Is VoiceOver?
“You either have to live...”
Every person who uses your app has access to VoiceOver.
But not every VoiceOver user has access to every app.
You must update your apps to take advantage of VoiceOver.
App Store
Find the apps you love.
And the ones you’re about to.

Apps can transform the way you do anything you’re passionate about, whether that’s creating, learning, playing games, or just getting more done. And the App Store is the best place to discover new apps that let you pursue your passions in ways you never thought possible.

Designed for discovery.

Tabs in the App Store make it easy to discover new apps you’re going to love. And to learn more about the kinds of apps you already love.

- Today Tab
- Games Tab
- Apps Tab
App Store
Find the apps you love. And the ones you’re about to.
Why Support VoiceOver?
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Why Support VoiceOver?

Supporting VoiceOver makes your app more inclusive
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VoiceOver users are more likely to choose your app
Why Support VoiceOver?

Supporting VoiceOver makes your app more inclusive.

VoiceOver users are more likely to choose your app.

And recommend it to other VoiceOver users.
But for many developers those reasons are not enough.
Learning VoiceOver can help make your app more usable for everyone.
Can a screenreader do that?
How VoiceOver Helps Your App
How VoiceOver Helps Your App

Testing with VoiceOver can give you a new perspective
How VoiceOver Helps Your App

Testing with VoiceOver can give you a new perspective

VoiceOver goes beyond how your application looks
How VoiceOver Helps Your App

Testing with VoiceOver can give you a new perspective
VoiceOver goes beyond how your application looks
Discover new challenges and insights
How VoiceOver Helps Your App

Testing with VoiceOver can give you a new perspective.

VoiceOver goes beyond how your application looks.

Discover new challenges and insights.

VoiceOver gets to the heart of what we do.
Is your app so easy to use you could use it with your eyes closed?
The only way to know is to test with VoiceOver.
How to Use VoiceOver
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver with Accessibility Shortcut
The VoiceOver Cursor
The VoiceOver Cursor
Navigating with VoiceOver
Touch Navigation
Touch Navigation
Flick Navigation
Flick Navigation
Two Ways to Navigation
Two Ways to Navigation
Pausing VoiceOver Speech
Pausing VoiceOver Speech
Activating a Button with VoiceOver
Activating a Button with VoiceOver
Demo

Ryan Dour, Apple Quality Assurance Engineer
Go Home with VoiceOver
Go Home with VoiceOver

App Switcher
Three Finger Flick
Three Finger Flick
Two Finger Scrub
Two Finger Scrub
What to listen for
MEN WALK ON MOON

ASTRONAUTS LAND ON PLAIN; COLLECT ROCKS, PLANT FLAG

Voices from Moon: ‘Eagle Has Landed’

A Powdery Surface Is Closely Explored
MEN WALK ON MOON
ASTRONAUTS LAND ON PLAIN; COLLECT ROCKS, PLANT FLAG

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VOICES FROM MOON
EAGLE HAS LANDED

A POWDERY SURFACE IS CLOSELY EXPLORED
Demo

Ryan Dour, Apple Quality Assurance Engineer
MEN WALK ON MOON

ASTRONAUTS LAND ON PLAIN; COLLECT ROCKS, PLANT FLAG

Voices from Moon: ‘Eagle Has Landed’

A Powdery Surface Is Closely Explored
VoiceOver Rotor
Setting the Rotor
Adjust the Rotor Value
Adjust the Rotor Value
Rotor Options in Settings
Rotor Options in Settings
Demo

Ryan Dour, Apple Quality Assurance Engineer
How VoiceOver Benefits Your App
If something doesn’t sound right, it may not read well either.
If navigating with VoiceOver takes effort, it probably takes effort visually.
If your app sounds out of order, your content may be too.
These issues cannot hide from VoiceOver, and neither should you.
These issues cannot hide from VoiceOver, and neither should you.

Let’s turn it on.
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
Enabling VoiceOver in Settings
In Review

VoiceOver is an alternative way of using your app
In Review

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You can navigate and activate elements based on how they are labeled
In Review

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You can navigate and activate elements based on how they are labeled

You can explore other apps to learn expected behavior
In Review

VoiceOver is an alternative way of using your app

You can navigate and activate elements based on how they are labeled

You can explore other apps to learn expected behavior

And rediscover your app by hearing it to help identify issues
Steps After You Leave
Steps After You Leave

Close your eyes and test your app
Steps After You Leave

Close your eyes and test your app

Open your eyes and confirm the experience
Steps After You Leave

Close your eyes and test your app

Open your eyes and confirm the experience

Make VoiceOver apart of your regular testing
Steps After You Leave

Close your eyes and test your app
Open your eyes and confirm the experience
Make VoiceOver apart of your regular testing
Teach others what you know
<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessibility Design By Appointment Lab</td>
<td>UI Design Lab 2</td>
<td>Friday 9:00AM</td>
</tr>
<tr>
<td>Deliver an Exceptional Accessibility Experience</td>
<td>Executive Ballroom</td>
<td>Friday 10:00AM</td>
</tr>
<tr>
<td>Accessibility Lab</td>
<td>Technology Lab 9</td>
<td>Friday 11:00AM</td>
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More Information
