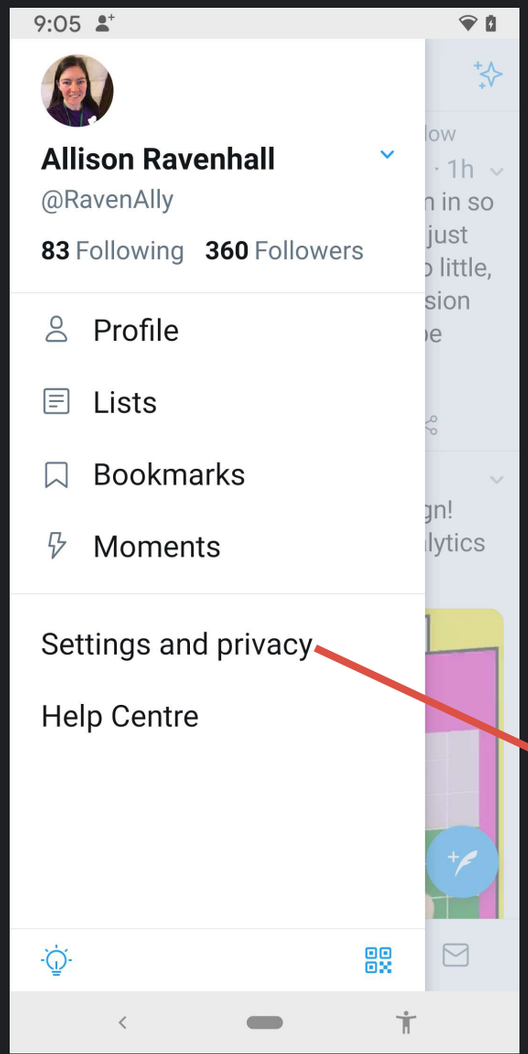
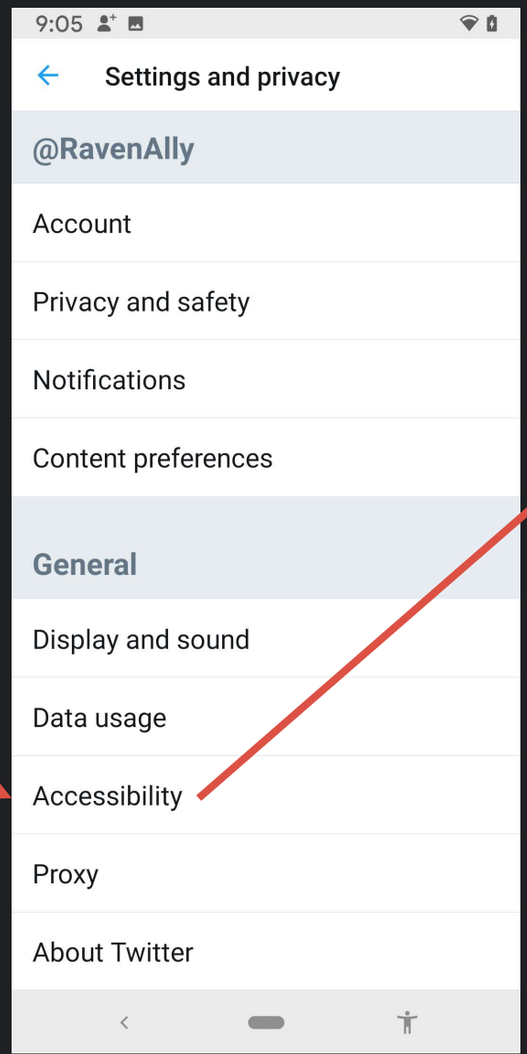
DevFest Melbourne 2019

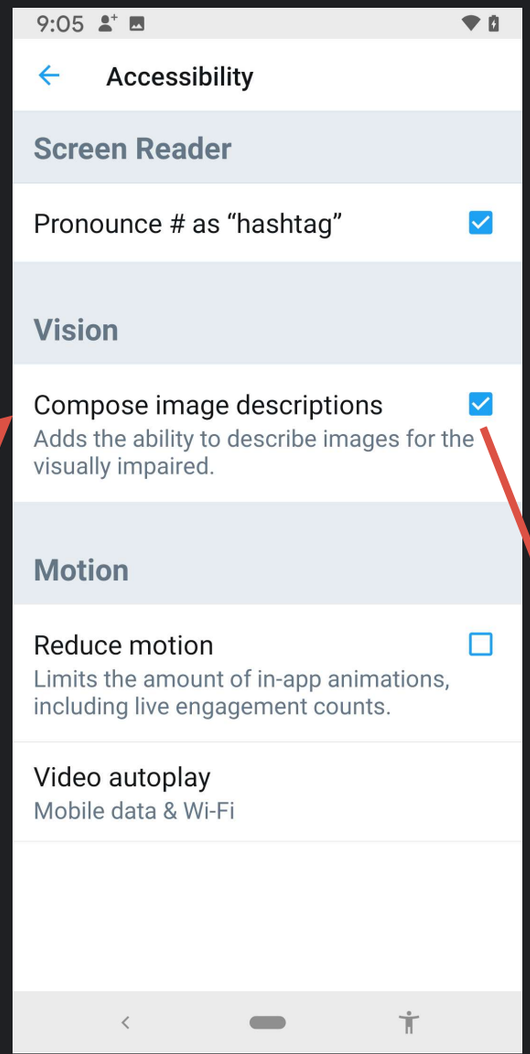
Let’s build more inclusive apps

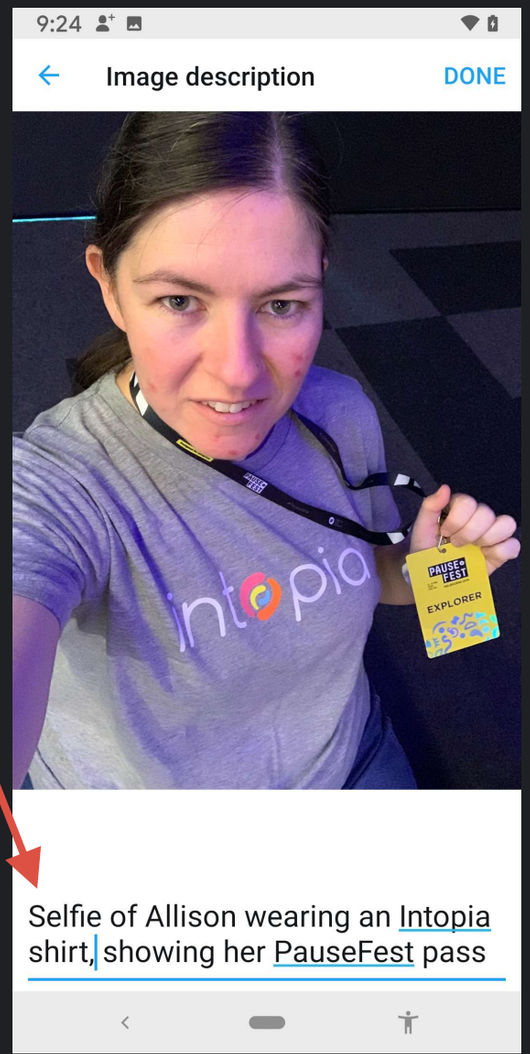
Allison Ravenhall - @RavenAlly

Tweet accessibly!









~1 in 5 Aussies have a disability

Android accessibility features

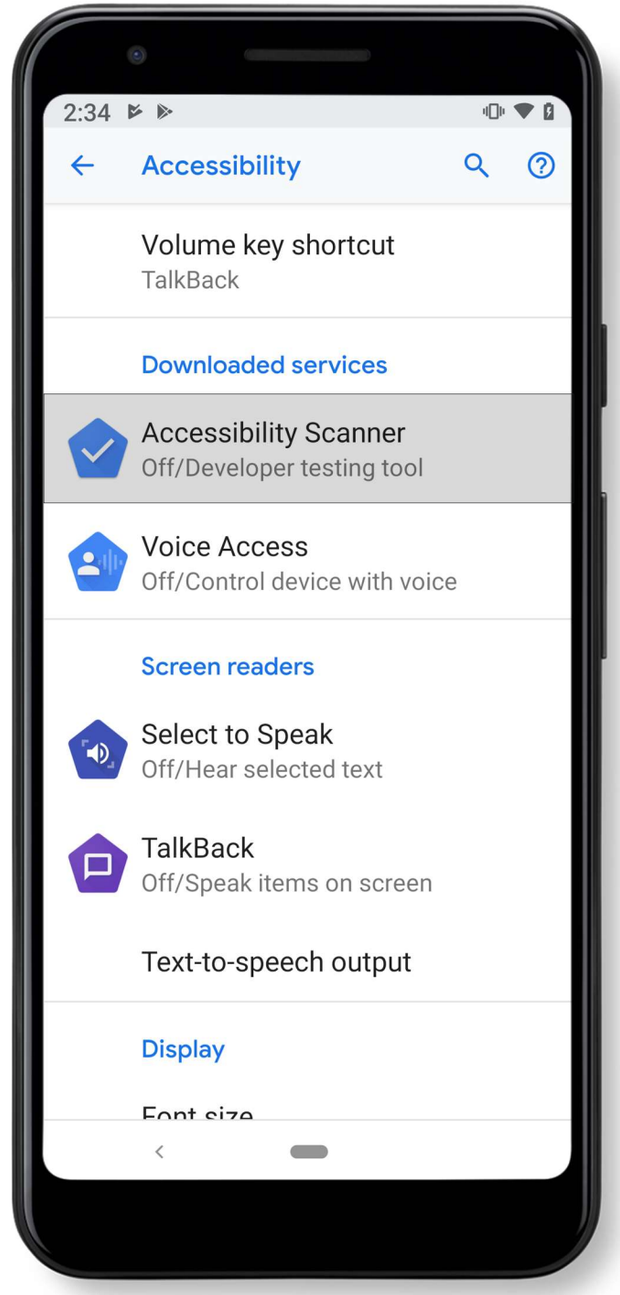
Voice Access
Accessibility menu
Switch Access
Display size

TalkBack
Font size
Invert colours
Magnification
Colour correction

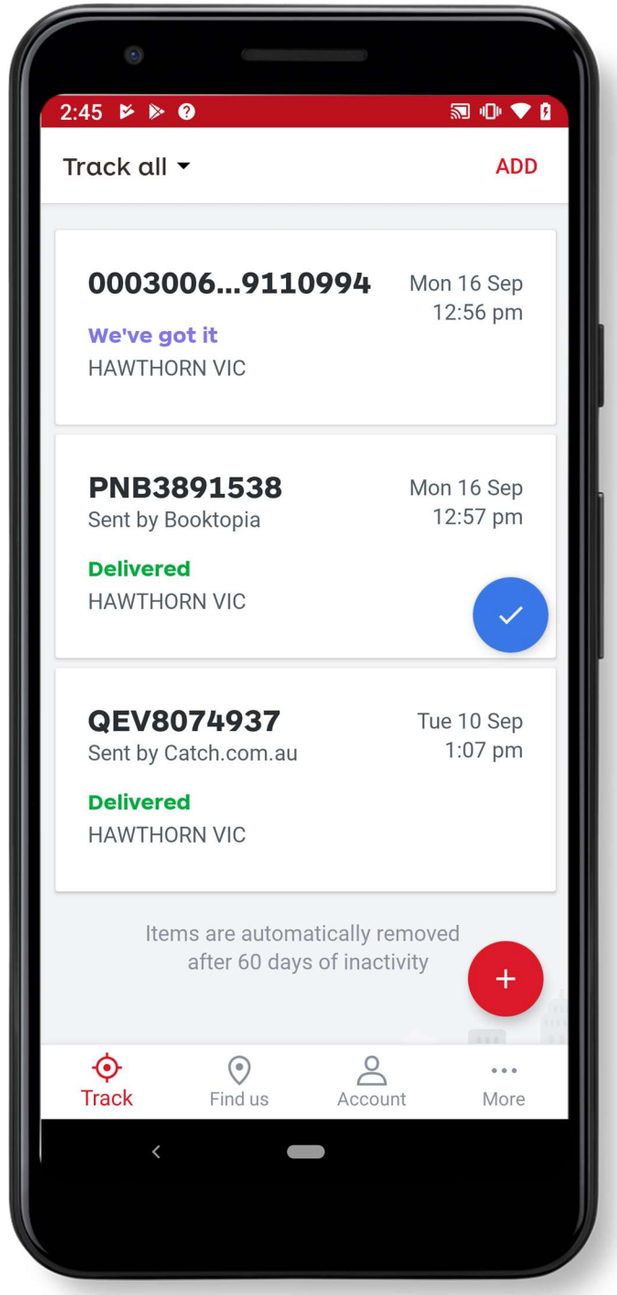
Select to Speak
Remove animations
Dark theme

Sound amplifier
Mono audio
Live Transcribe
Captions
Hearing aid integration

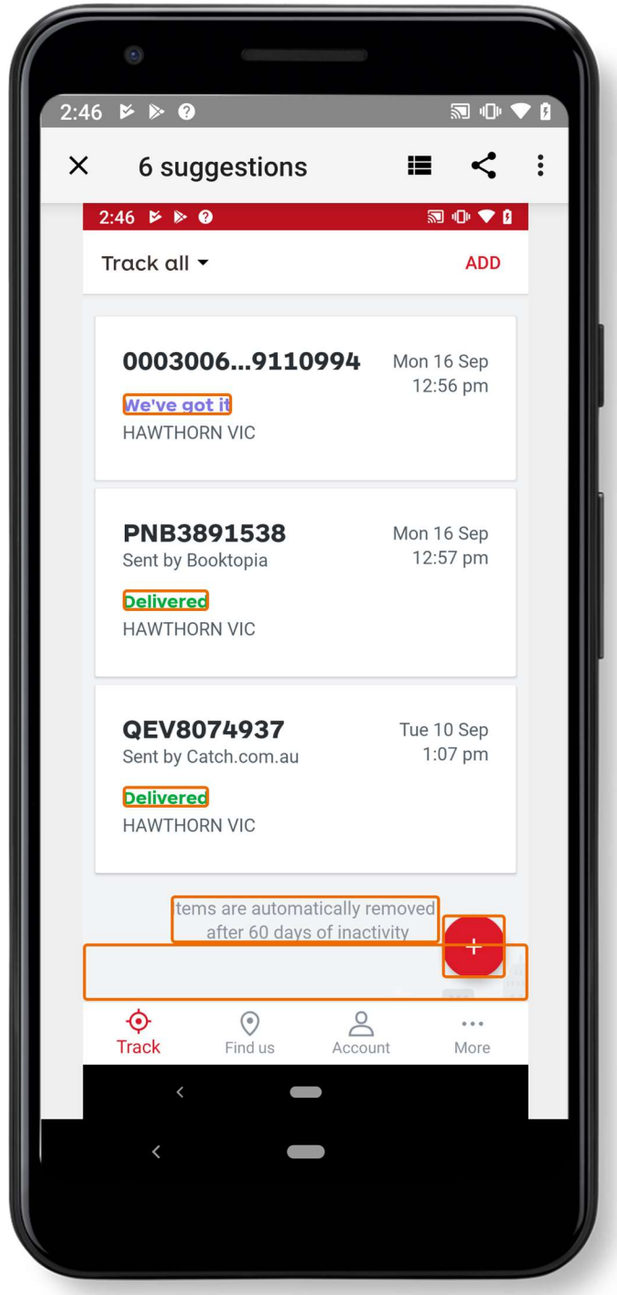
Check your app



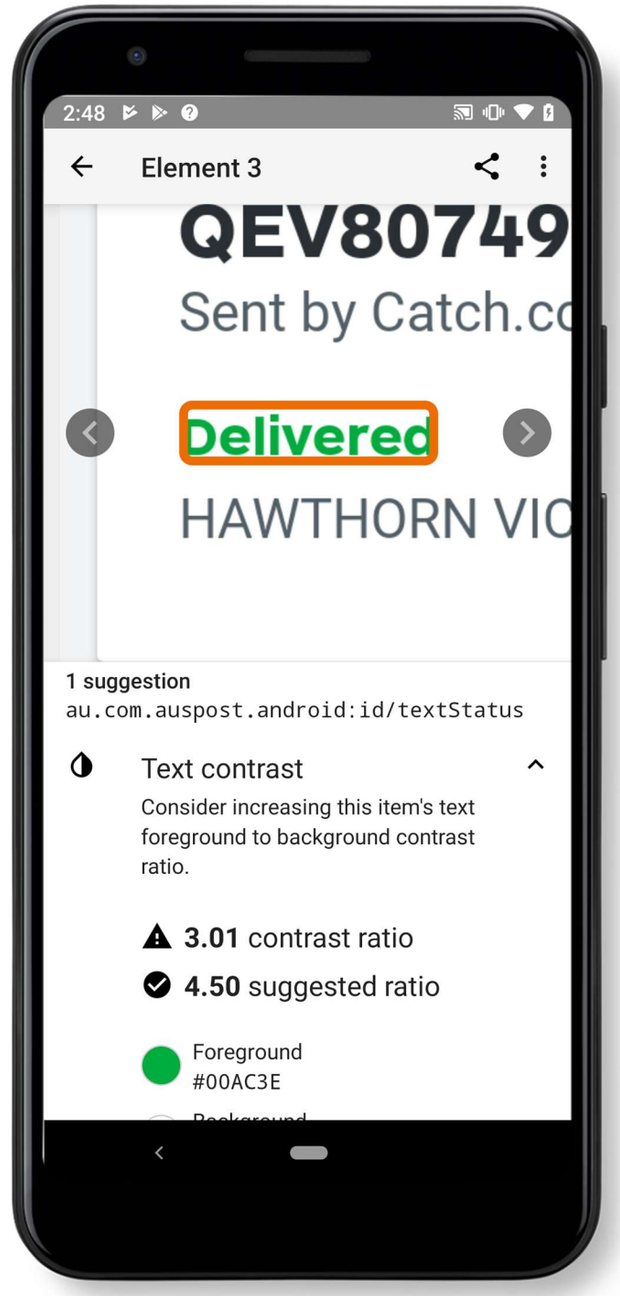
Tap the tick


2:45
Track all
ADD
0003006...9110994
Mon 16 Sep
12:56 pm
We've got it
HAWTHORN VIC
PNB3891538
Mon 16 Sep
12:57 pm
Sent by Booktopia
Delivered
HAWTHORN VIC
QEV8074937
Tue 10 Sep
1:07 pm
Sent by Catch.com.au
Delivered
HAWTHORN VIC
Items are automatically removed
after 60 days of inactivity
Track
Find us
Account
More

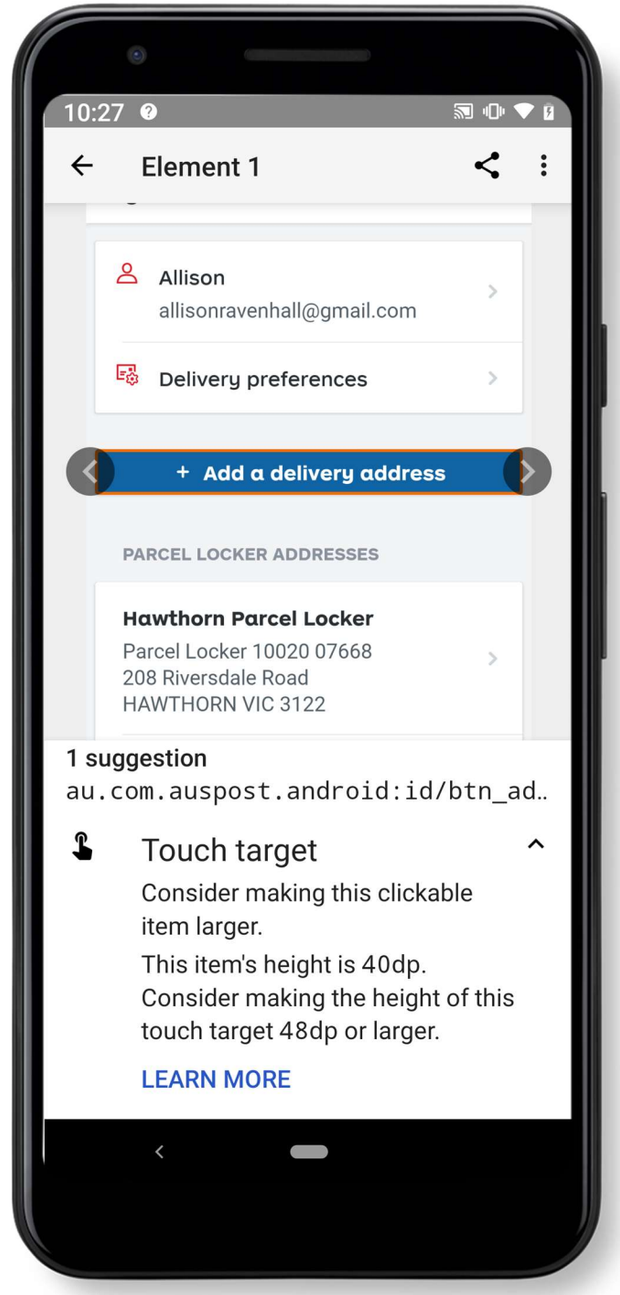
Review outlined items



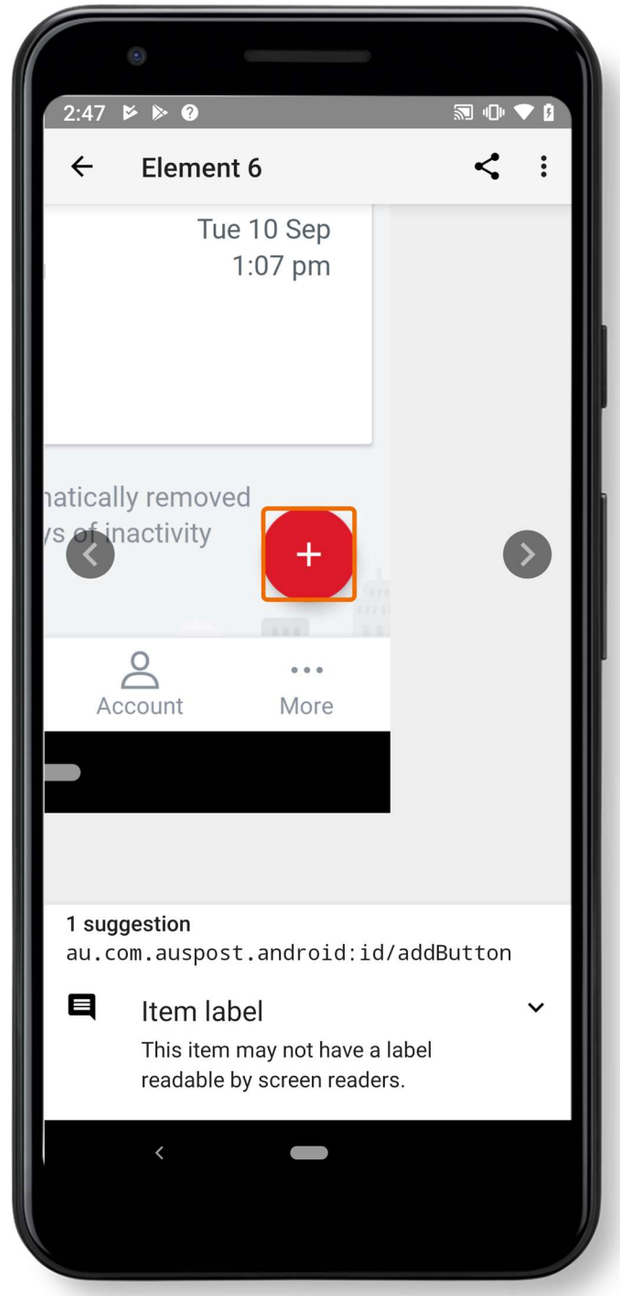
Colour contrast...



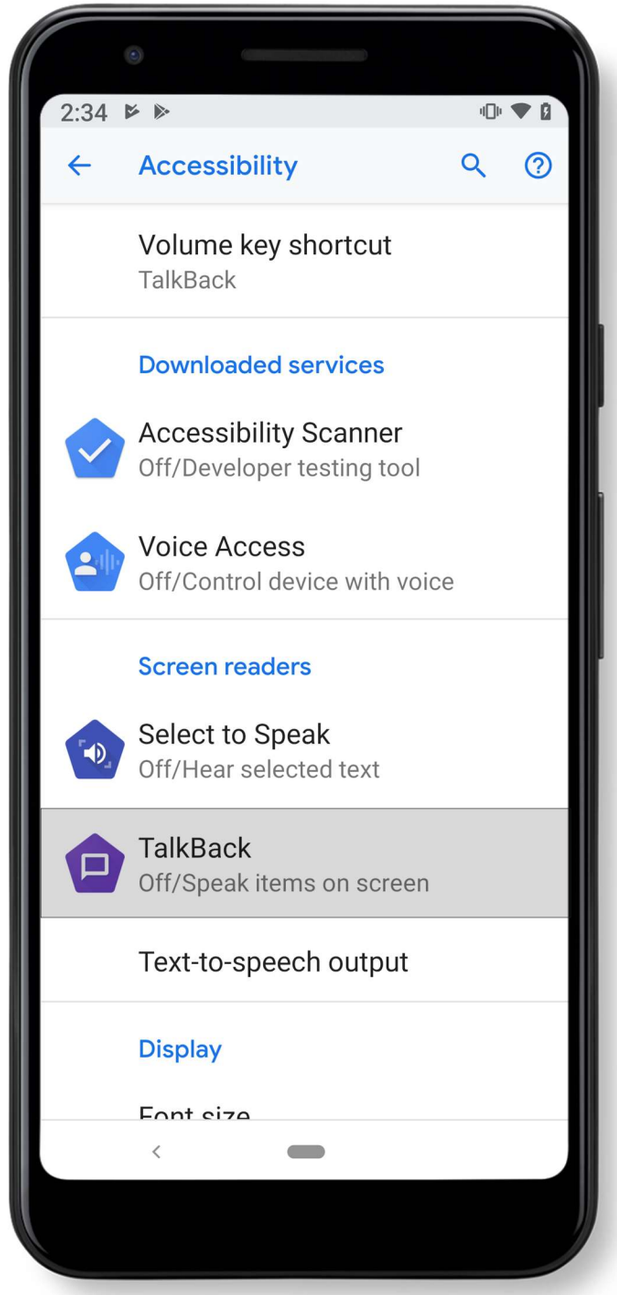
Target size…

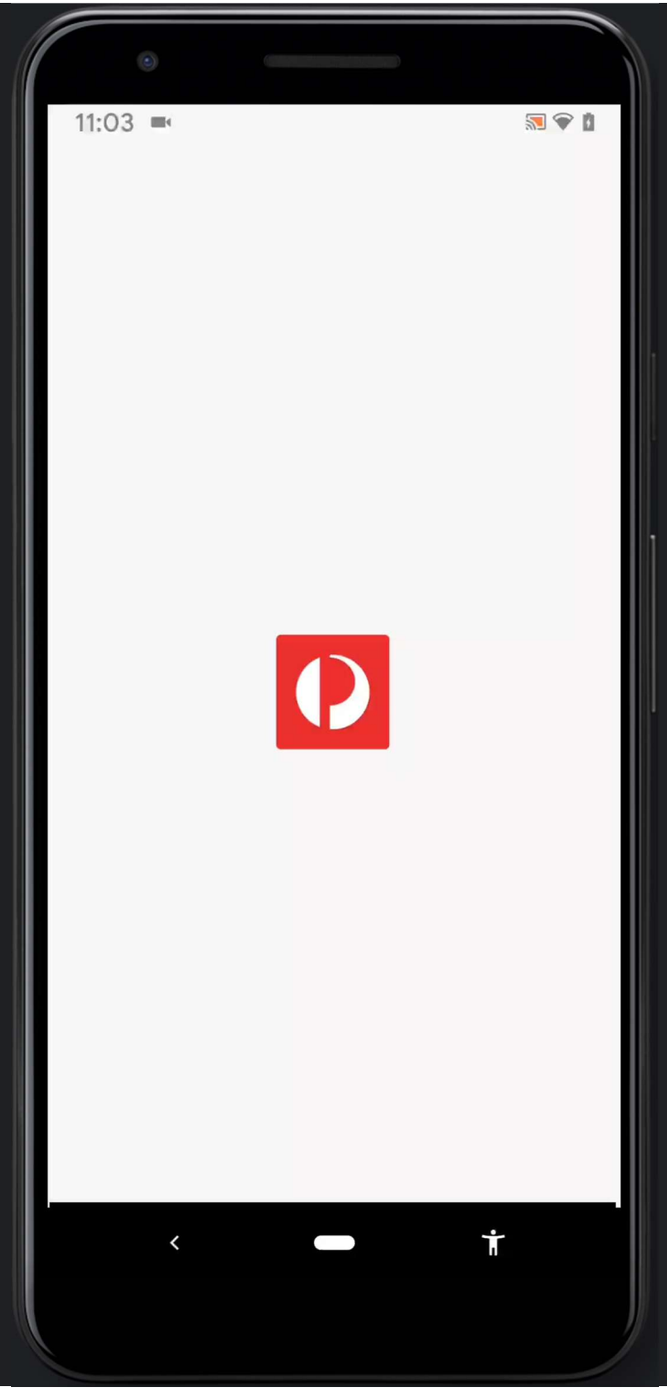

10:27
Element 1
Allison
allisonravenhall@gmail.com
Delivery preferences
+ Add a delivery address
PARCEL LOCKER ADDRESSES
Hawthorn Parcel Locker
Parcel Locker 10020 07668
208 Riversdale Road
HAWTHORN VIC 3122
1 suggestion
au.com.auspost.android:id/btn_ad..
Touch target
Consider making this clickable item larger.
This item's height is 40dp.
Consider making the height of this touch target 48dp or larger.
LEARN MORE

No label...

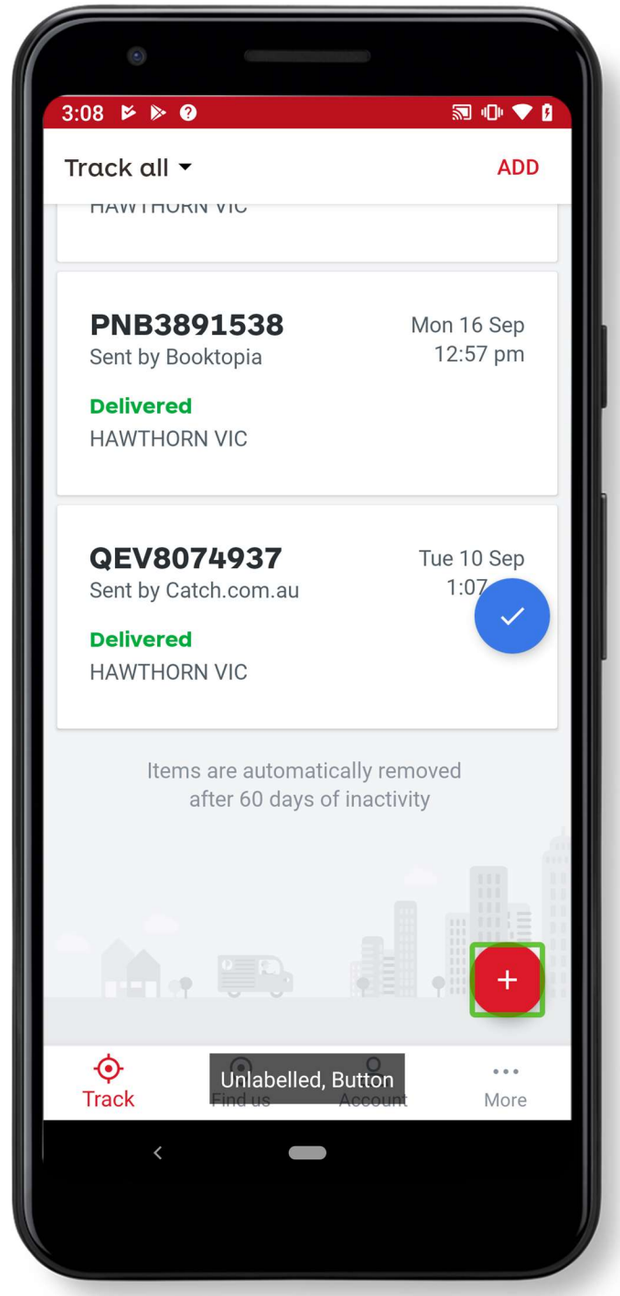

2:47
Element 6
Tue 10 Sep
1:07 pm
natically removed
ys of inactivity
Account
More
1 suggestion
au.com.auspost.android:id/addButton
Item label
This item may not have a label
readable by screen readers.

Why does no label matter?

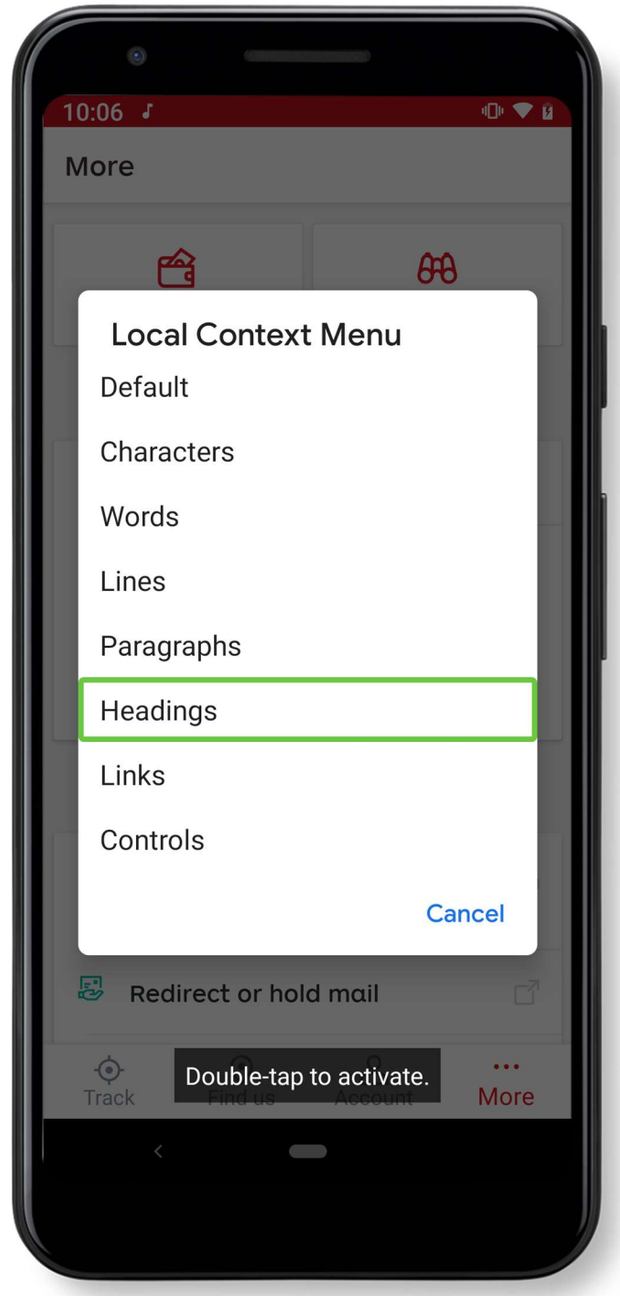



11:03

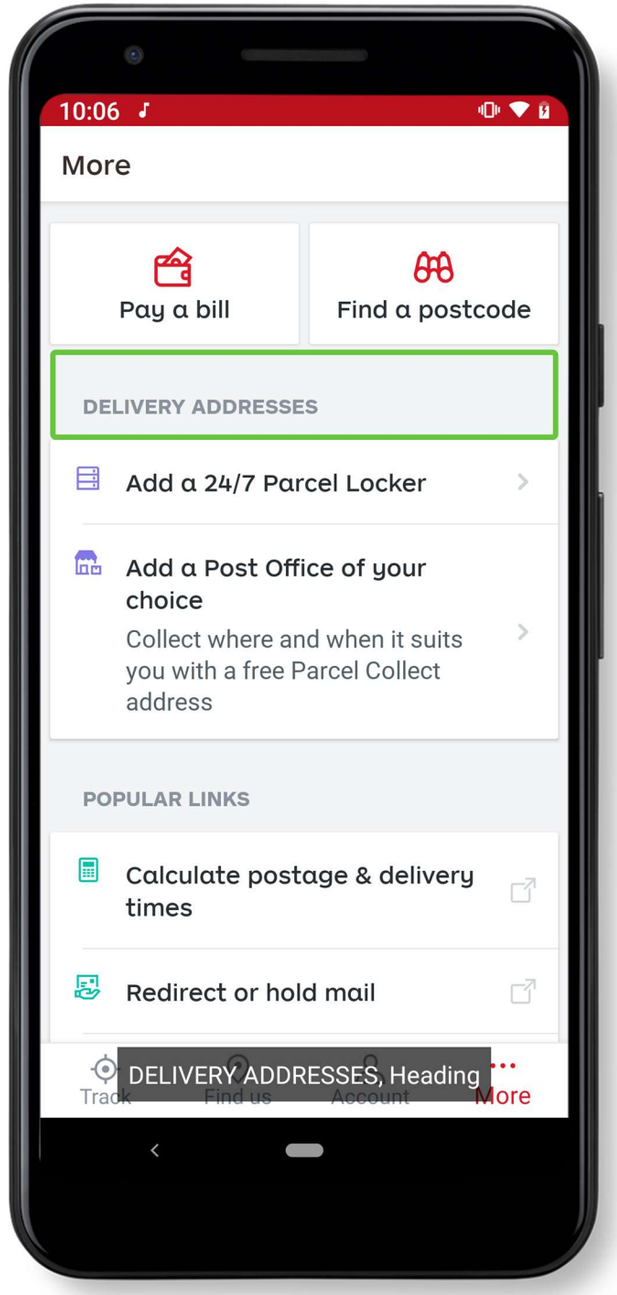
contentDescription



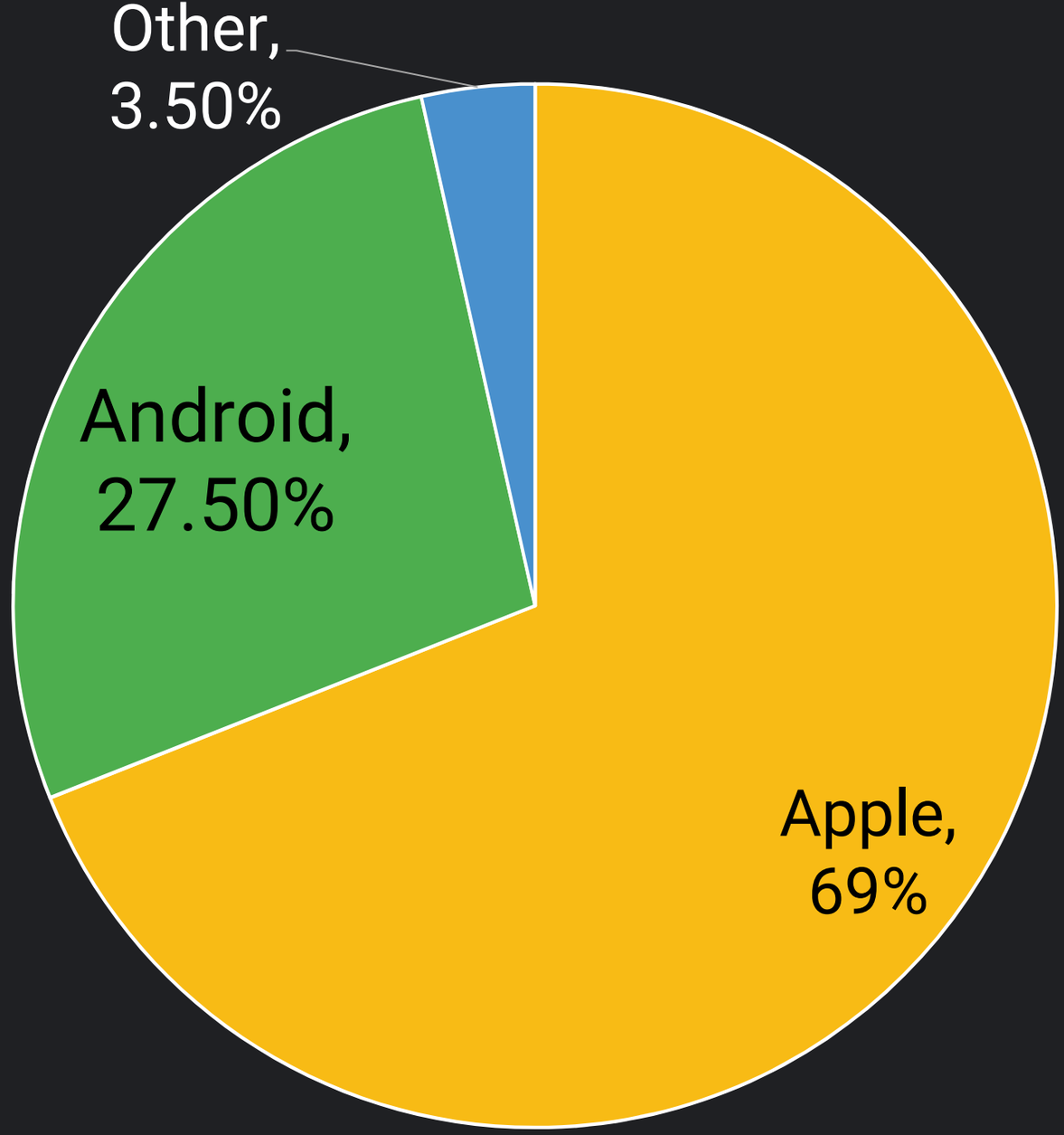
Skim content by type



accessibilityHeading="true"

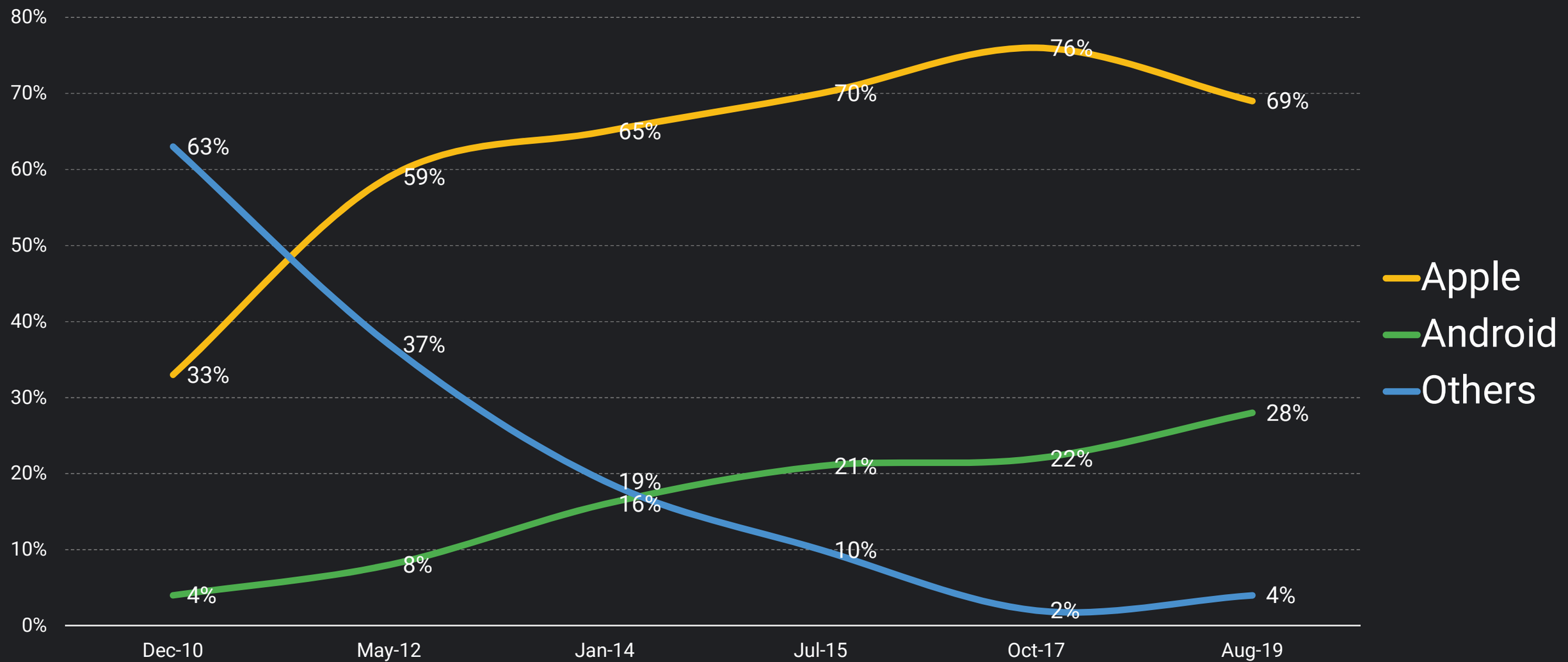


Screen reader users prefer Apple
(August 2019)



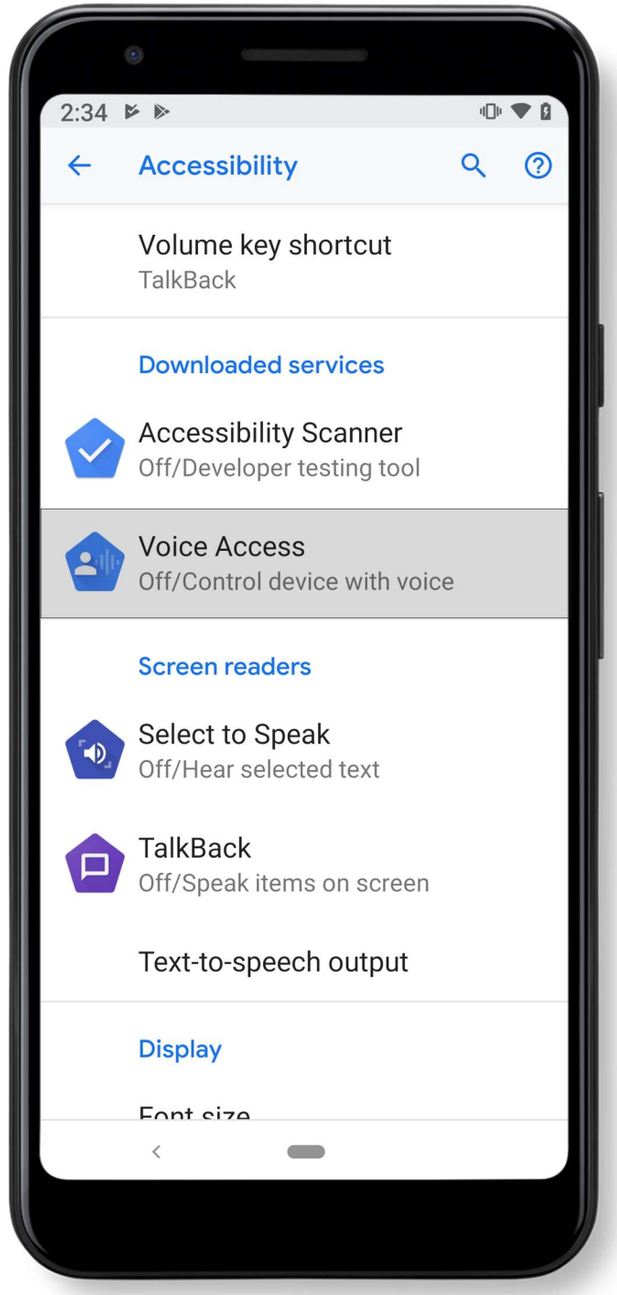
Source: https://webaim.org/projects/screenreadersurvey8/#mobileplatforms

… but Android is rising



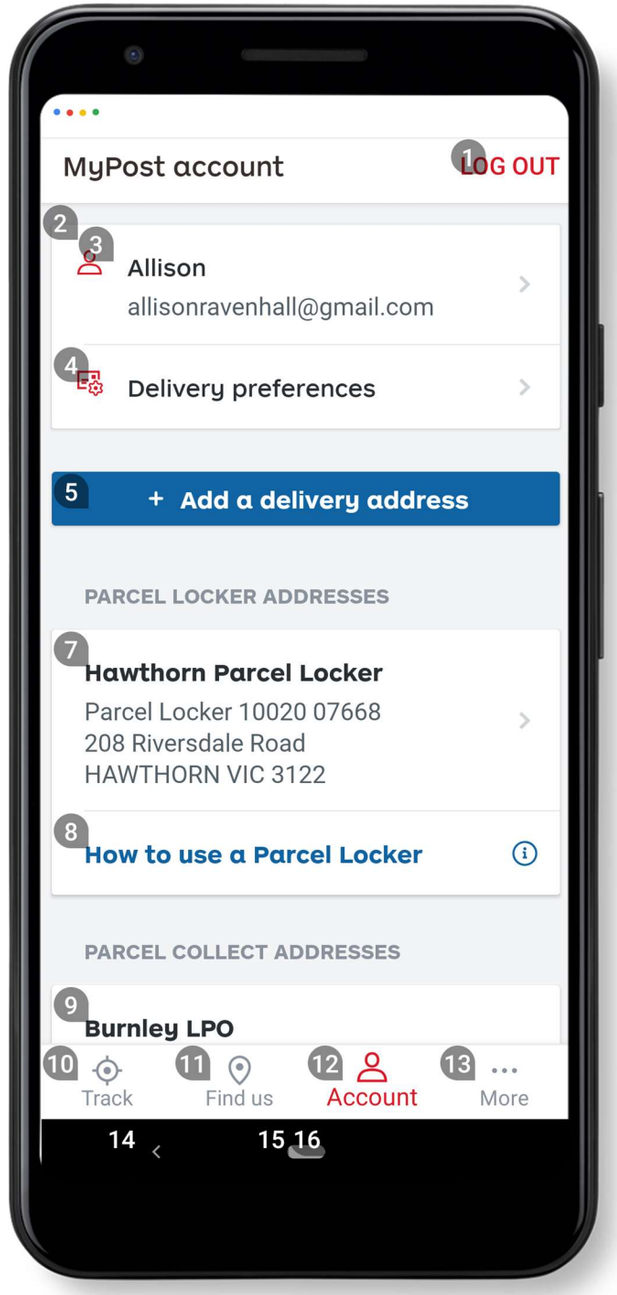
Source: https://webaim.org/projects/screenreadersurvey8/#mobileplatforms

Hands-free interaction



family movie
April 2016
Enter title, times, people, places...
SAVE
Events (jangles73@gmail.com)
All-day
Thursday, Apr 28, 2016
Thursday, Apr 28, 2016
More options
Add location
10 minutes before as email
30 minutes before
Family movie night.

Dynamic number labels



Support portrait *and* landscape orientation

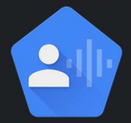
Make motion interaction optional

Update your Twitter settings

and label your photos

Play with Android accessibility settings

Use the Accessibility Scanner

Try out TalkBack

and Voice Access

Support portrait & landscape

Add motion alternatives

Accessibility Scanner:	bit.ly/a11y-scanner
TalkBack:	bit.ly/a11y-talkback
TalkBack gestures:	bit.ly/talkback-commands
TalkBack captions:	Settings > Accessibility > TalkBack > Settings > Dev settings > Display speech output
Voice Access:	bit.ly/a11y-voice-access
Voice Access commands:	bit.ly/voice-access-commands
G accessibility team:	twitter.com/googleaccess
G accessibility dev guides:	google.com/accessibility/for-developers/