



# Apple User Group

Jun 28, 2018  
83<sup>rd</sup> Presentation\*



\*Since Jan 2010



# Next Meeting

Thursday 1:00pm

July 26, 2018





ADAM & EVE:

THE FIRST  
NOT TO READ  
THE APPLE  
TERMS AND  
CONDITIONS





# Apple News!



# Apple News



- Apple has determined that a small percentage of keyboards in certain MacBook and MacBook Pro models may exhibit one or more of the following behaviors:
  - Letters or characters repeat unexpectedly
  - Letters or characters do not appear
  - Key(s) feel "sticky" or do not respond in a consistent manner
- Apple will service eligible MacBook and MacBook Pro keyboards with these symptoms, free of charge
- Warranties on these keyboards have also be extended to 4 yrs



# Apple News



- Eligible MacBooks:
  - MacBook (Retina, 12-inch, Early 2015, Early 2016, 2017)
  - MacBook Pro (13-inch, 2016/2017, Two Thunderbolt 3 Ports)
  - MacBook Pro (13-inch, 2016/2017, Four Thunderbolt 3 Ports)
  - MacBook Pro (15-inch, 2016/2017)
- Apple added a new section to its News app for the iPhone and iPad dedicated to 2018 midterm election coverage
- iOS 11.4 was released May 29th, along with new software for HomePods, Apple TV, and Apple Watch



# IOS 11.4



- Support for AirPlay 2
  - Multi-room audio with any AirPlay 2 devices (Apple TV, HomePods)
  - Ability to run two HomePods in Stereo
- Calendar support on the HomePod (Siri)
- Messages in iCloud (delete on one device, deletes on all devices)
- Bug fixes and improvements
- You should upgrade if you haven't already



# WWDC 2018



# WWDC 2018



- There were no hardware announcements this year
- While this was disappointing to some, it's in keeping with the historical intent of WWDC, which is a software developers conference
- Apple announced the next version of all its major OS's:
  - iOS 12
  - watchOS 5
  - tvOS 12
  - macOS 10.14 which was named "Mojave"





# iOS 12



# Overview



- Apple had already announced that iOS 12 would prioritize cleaning things up (vs. a lot of new features) and would concentrate on:
  - Usability
  - Performance
  - User Interface
- That being said there are some new noteworthy features in iOS 12
- iOS 12 is compatible with all devices capable of using iOS 11



# Performance

A white rounded square icon with a blue-to-orange gradient number '12' inside.

- Apple put a lot of focus on making apps and other software faster — especially for older devices
- Example performance improvements:
  - The Camera can launch up to 70 percent faster
  - The keyboard will appear up to 50 percent faster with more responsive typing
  - Apps can launch up to 2 times faster



# Augmented Reality



- Apple is improving its augmented reality software (ARKit 2)
- Apps can now have shared experiences for more than one user (ex: playing games or watching others play)
- A new file format called usdz was announced that will allow AR in other apps like Messages, Safari, Mail, Files, and News
- There will be a new Measure app that will use AR to determine the size of objects
- You point to edges of an object and it acts like a digital tape measure on an iPhone or iPad



# Shortcuts



- A new feature called Shortcuts allows you to create custom voice commands that can work across multiple apps
- You can initiate Shortcuts in the Shortcuts app or with Siri
- Shortcuts let you carry out multiple activities with a single command, much like routines on Amazon's Alexa and Google Assistant



# Shortcuts



- Shortcuts can be created both with the new Shortcuts app, or inside another app that has this feature added
- Once created, they can be accessed on iPhones, iPads, the Apple Watch, or the HomePod
- For example, you can create a “Heading home” shortcut that changes your home temperature, tells you about your commute, and plays your favorite podcast
- Siri can also suggest shortcuts, like call grandma on her birthday or turn on Do Not Disturb mode when you enter a movie theater



# Controlling Screen Time



- Apple announced new tools to help understand and take control of the time spent on iOS devices
- In settings, there is a new section called Screen Time which will allow you to do things like:
  - View detailed daily and weekly Activity Reports that shows how much time is spent on each app and categories of apps
  - See how many times an iPhone or iPad was picked up
  - See how many notifications you get from each app
  - See when your heaviest usage occurs



# Controlling Screen Time



- You can also set limits on the amount of time spent on apps
  - A notification will let you know when a time limit is close
- Parents can also access their child's Activity Report right from their own devices to understand their children's usage
- They can also manage and set app limits for them
- There's even been some speculation as to where this type of functionality could eventually lead







*Seriously*™







# Animojis and Memojis



- Apple announced another 4 new Animoji's: a ghost, koala, tiger, and T. Rex for iPhone X users
- There's also a new feature called Memoji, which are characters that you create to look like you (or whoever you want)
- Memoji's will work with face detection and animate just like Animoji's
- Both Animoji and Memoji have been improved to detect winks and tongue movements



# Memojis



Tim Cook





# Live Listen

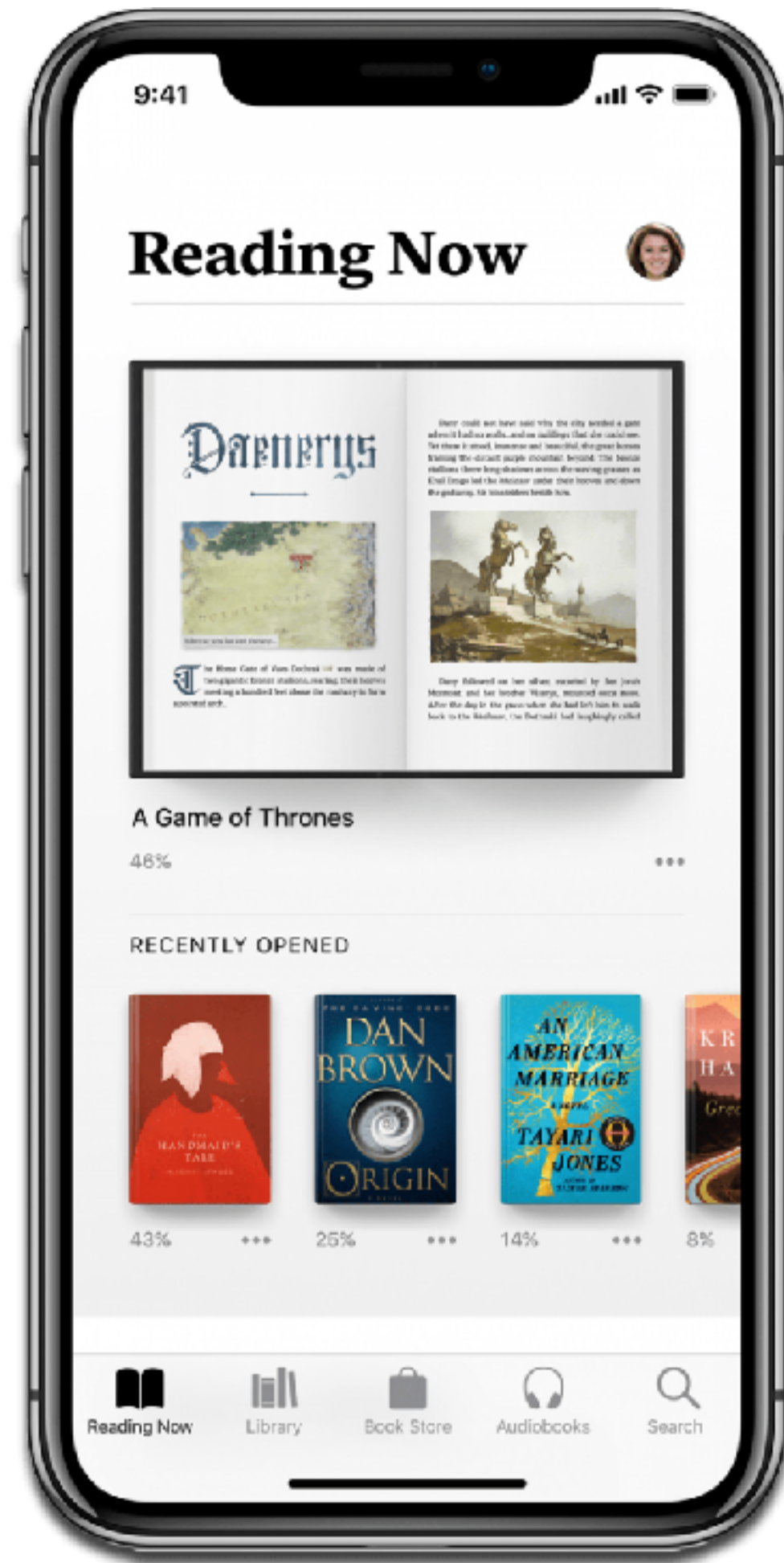


- This is a special feature previously reserved for hearing aids certified through Apple's Made for iPhone hearing aid program
- In iOS 12, you will now be able to use Live Listen with AirPods
- After enabling the feature, users will be able to use their phones as a directional mic
- This means you can have AirPods in at a noisy restaurant with your iPhone on the table, and the voice of whomever is speaking will be routed to your AirPods
- This is not a replacement for a hearing aid, but it's still a useful tool



# Apple Books

12



- iBooks will be renamed Apple Books and get a major new redesign
- Reading Now displays all of the books you're currently reading or listening to.
- Other features like Complete the Series and You Might Like will make it easier to find new books
- The Book Store has been redesigned with a For You section
- You'll also see Top Charts, Staff Picks, Editorial Collections, and Special Offers & Free

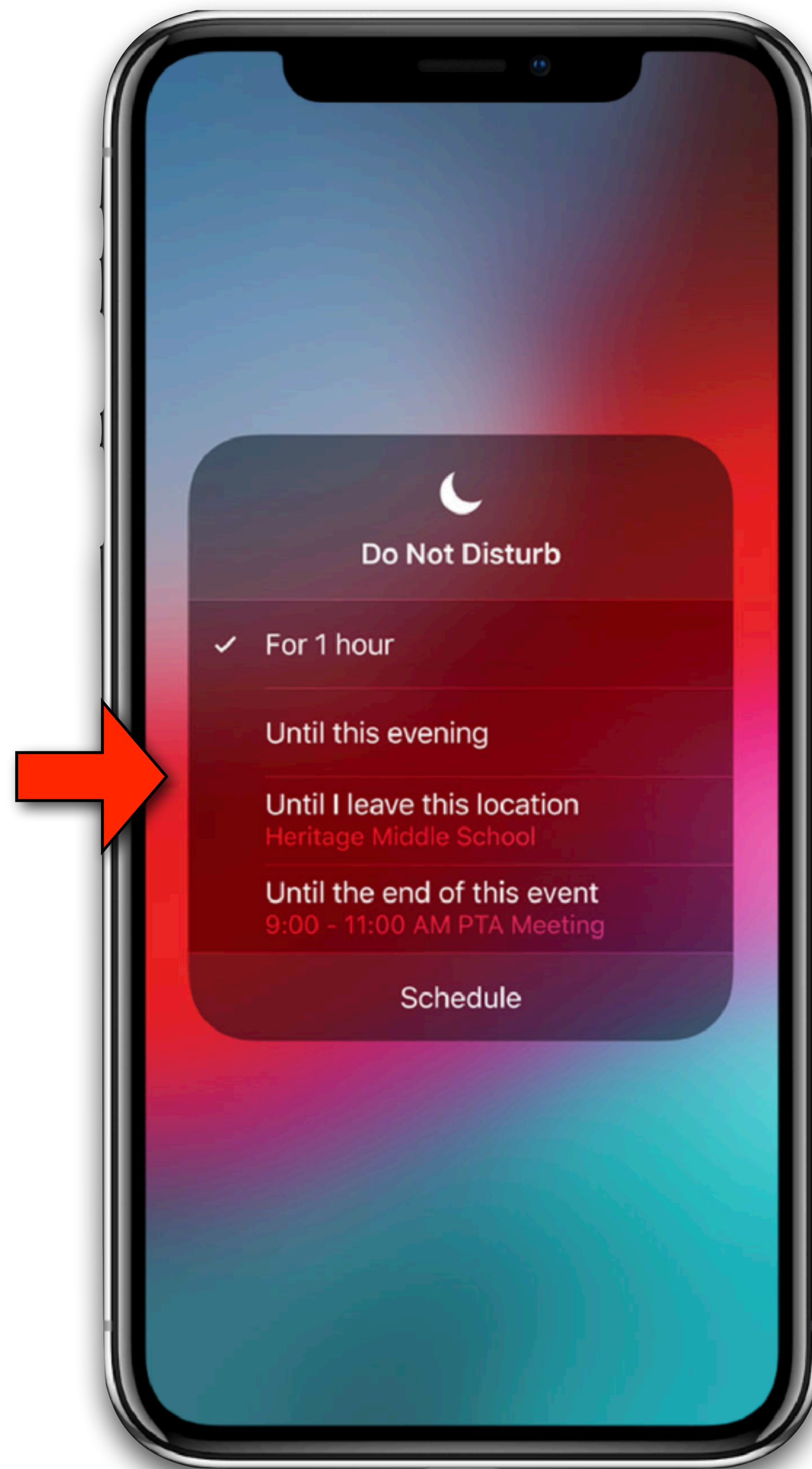


# Do Not Disturb

The logo for iOS 12, featuring the number '12' in a stylized font with a blue-to-orange gradient, set within a white rounded square with a subtle drop shadow.

- Currently, Do Not Disturb lets you schedule a specific time frame to turn it on and off
- You can also manually enable it from the control center or settings
- A big problem now is that when you enable it manually, you tend to forget to turn it back off when your done
- In iOS 12, a few new features makes Do Not Disturb more robust and useful
- To access these new features, 3D Touch or long press on Do Not Disturb in Control Center







# Do Not Disturb



- New iOS 12 options for Do Not Disturb:
  - For one hour
  - Until this afternoon, evening, or morning (depending on the time of day)
  - Until I leave this event: You get this option, if you are attending an event on your calendar
  - Until I leave this location (example, a movie theater)



# Do Not Disturb



- The Do Not Disturb settings has another feature called Bedtime Mode
- When Bedtime Mode is enabled, calls and notifications are silenced and notifications are sent to history, but won't show up on the lock screen
- So if you wake up in the middle of the night and tap your screen to see the time, you won't see that you have a bunch of notifications waiting for you
- You will see them when you get up and Bedtime Mode turns off

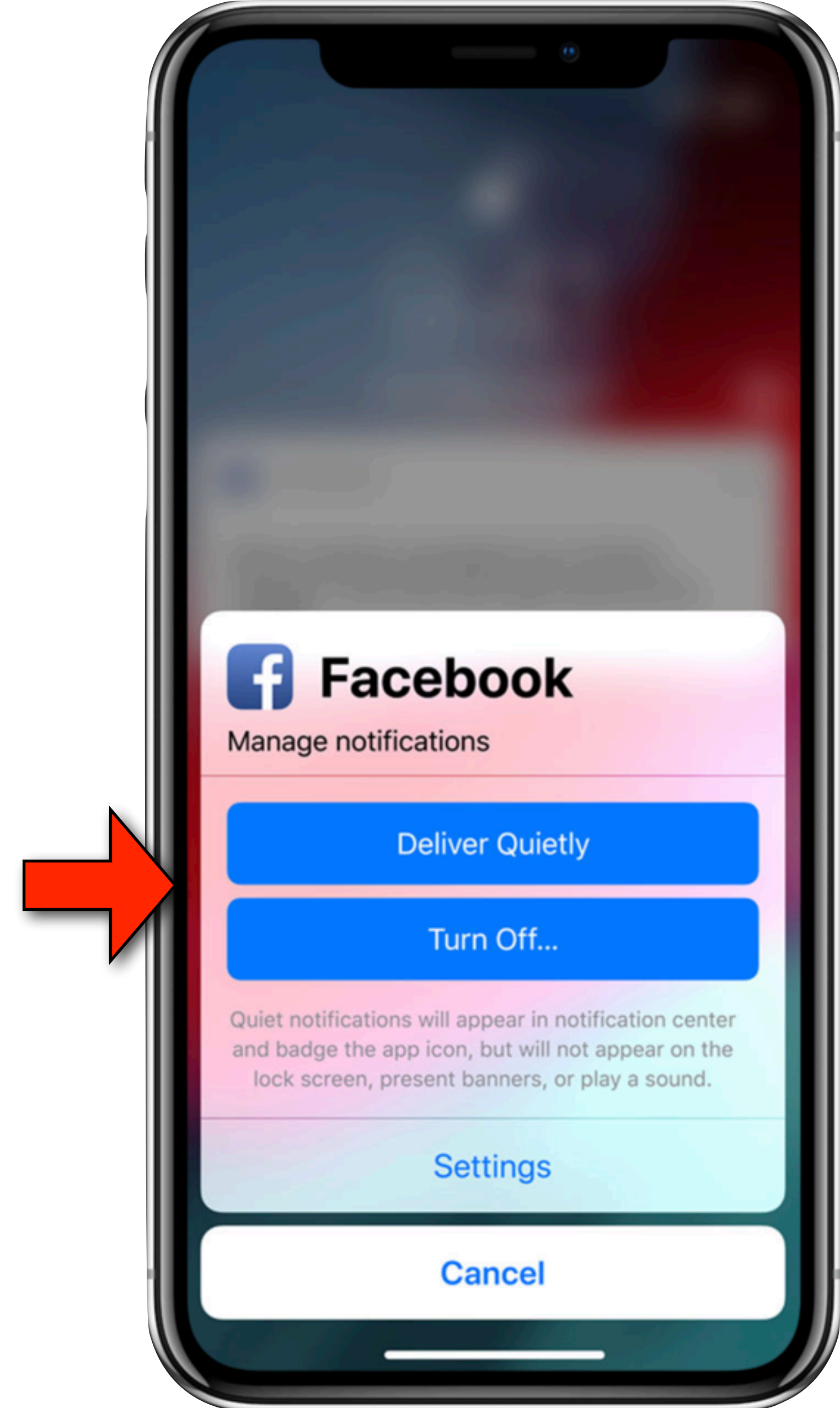


# Notifications



- Notifications will now grouped and managed by app
- You can now manage your notifications in real time from the notification center by swiping left on any group
- From here, you have settings to:
  - Turn on “Quiet notifications” — These only show up in the notification center with no sounds, and do not show up in the lock screen or...
  - Turn notifications off completely for that app
- This makes the notifications much less disruptive

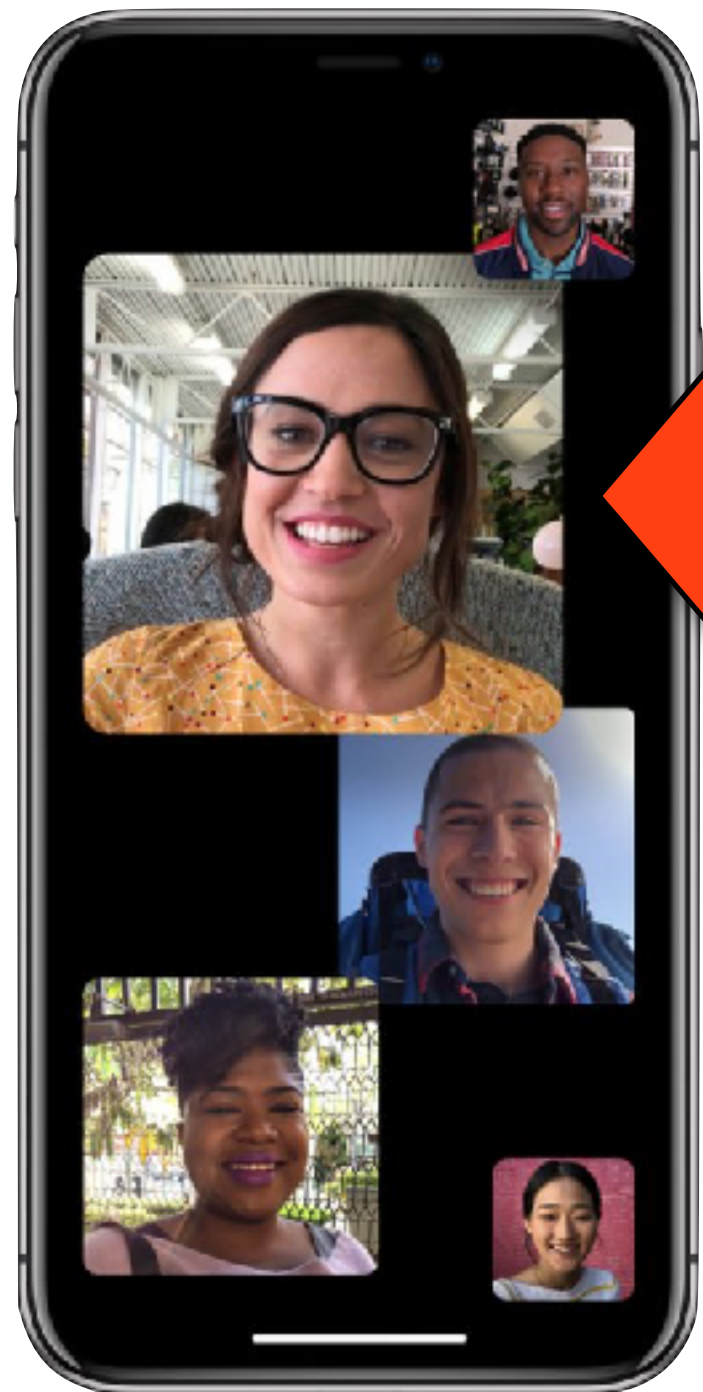






# iOS 12 - Other

12



- Group FaceTime can have multiple people (Up to 32)
- The tile of the person speaking will get larger automatically
- You can start Group FaceTime in Messages or join an active one any time
- More on this when I talk about macOS
- CarPlay will support third-party navigation apps like Waze and Google Maps in addition to Apple Maps
- An iPhone X will now allow two different faces to unlock with FaceID



# iOS 12 - Other



- iOS 12 will automatically share your location with first responders during 911 with better precision
  - Calls can now pinpoint your location within 165 feet, greater than 80 percent of the time (if 911 location supports RapidSOS)
- The lock screen will have an icon for the flashlight and the camera so you can quickly access these features without unlocking your phone
- Photos features a new “For You” tab that combines Memories and iCloud Shared Albums. It also offers new sharing and search suggestions.



# iOS 12 - Other



- A new feature in iOS 12 disables access from all USB devices if your device has been locked for more than an hour
- One hour is plenty of time for regular users to do USB-related functions like backup or restore, but almost certainly not enough time for USB-based iPhone cracking devices to break into your phone
- Safari gets a lot of new privacy and anti-tracking features that I'll cover under MacOS



# watchOS

# 5





# watchOS 5 - Workouts



- Auto-workout detection: The watch will use heart rate and movement data to determine if the user might be working out
- It will then pop up an alert asking if you want to start a workout
- It will even give retroactive credit to the start of the workout
- It will also prompt you to end workout if you forget to close it



# watchOS 5 - Workouts



- Also new is an "activity competition" mode, that will allow friends to challenge each other to seven-day competitions
- You get points every time you close an activity rings over the course of a week
- The winner of the completion gets an award in the activity app
- Yoga and hiking have been added to the types of workouts supported, taking into account elevation change and heart rate to accurate measure calories burned and total exercise minutes



# watchOS 5 - Workouts



- Runners will get new features:
  - A cadence or steps-per-minute metric that works on both indoor and outdoor runs
  - Outdoor runners gain a new pace alarm that alerts them if they are ahead of, or behind a target pace
  - A “rolling mile pace” shows the pace for the immediately preceding mile, on top of the current and average pace displays



# watchOS 5 Student ID's



- The Apple Watch will support on-device Student ID cards, allowing students access to buildings, to pay for food and laundry on campus, etc...
- It will be supported at launch at Duke, the University of Alabama, and the University of Oklahoma
- Others (including Johns Hopkins and Temple University) will offering support by the end of the year
- This could be the first step to other items like: work id's, senior center passes, car door locks, ...



# watchOS 5



- A new Walkie-Talkie app lets users send push-to-talk messages to each other from watch-to-watch
- A new Podcasts app has been added that will allow subscribed podcasts to automatically sync to the device for offline listening
- Music and audiobooks, from apps like Pandora and Audible, will sync to the Apple Watch for offline playback as well
- The Siri watch face has been updated with better shortcuts and suggestions, including sports scores or commute time ahead of your drive home



# watchOS 5



- With watchOS 5, Apple will introduced WebKit, which makes it possible to view web content on your Apple Watch
- You'll now able to edit the location of icons in the control center, putting things you use most at the top and vice versa
- watchOS 5 will not run on the original Apple Watch
- It will run on Series 1, Series 2, and Series 3 Apple Watch models



# tvOS 12





# tvOS 12 Dolby Atmos



- Not a lot of changes were announced for tvOS
- The Apple TV 4K will support Dolby Atmos for surround sound
- Note: You will need a TV/Audio system that also supports Atmos
- The Apple TV 4K will be the only streaming player that is both Dolby Vision and Dolby Atmos certified



# Single Sign On



- Being forced to constantly sign into TV apps with your cable subscription information is a pain
- Apple had hoped to ease the pain with the release of tvOS 11 and its “single sign-in” feature
- You would sign in once and the Apple TV would automatically sign you into to any app that required sign in after that
- That hasn’t quite worked out as planned, since hardly any providers got on board, and it’s been scratched from tvOS 12



# Zero Sign On



- Instead, Apple is introducing “Zero Sign-on”
- Your Apple TV will automatically be able to detect your service provider and will automatically log into any supported apps
- The service will first be made available to Charter Communications customers
- Then, Apple will be hoping to bring this functionality to more broadband subscribers “over time”
- I suspect Apple will have the same issue that they had in Single Sign On (Verizon and Comcast are not currently on board)



# tvOS 12



- You will be able watch Live news with the TV app which is similar to watching live sports
- Apple will have a new screensaver featuring views from the International Space Station
- One other feature that's been added is the ability to see the location of each and every photograph on your Apple TV screensaver with a tap of your Siri Remote
- You can also swipe to see more screensaver options



# macOS Mojave





# Overall



- Apple continues to merge features and interoperability between iOS and macOS
- This one of the reasons I like the Apple ecosystem
- I can go from device to device, use the same apps, and have the same data available with little or no effort on my part
- There is a greater emphasis on privacy with Mojave
- Bad News: Some older Macs will no be supported in Mojave



# Supported Devices



Device	High Sierra	Mojave
MacBook	Late 2009 or newer	Early 2015 or newer
MacBook Air	Late 2010 or newer	Mid 2012 or newer
MacBook Pro	Mid 2010 or newer	Mid 2012 or newer
iMac	Late 2009 or newer	Late 2012 or newer
iMac Pro	2017	2017
Mac Mini	Mid 2010 or newer	Late 2012 or newer
Mac Pro	Mid 2010 or newer	Late 2013



# Safari Anti-Tracking



- When you browse the web, the characteristics of your device can be used by advertisers to create a “fingerprint” to track you even if you use ad-blockers
- Now macOS will provide websites with a generic data profile so your Mac will look like everybody else’s Mac
- This makes it much more difficult to identify and track you
- Also improved Intelligent Tracking Prevention keeps social media Like buttons, Share buttons, or comment widgets from tracking you without your permission



# Security



- Safari will automatically suggest strong passwords when you go to create new online accounts
- These passwords will be synced to your other Apple devices
- Safari will also flag reused passwords so you can quickly change them to have a unique password for each account
- Mojave requires apps to get your approval before accessing the camera or microphone on your Mac, or accessing personal data like your Mail history or Messages database



# Screen Shots



- Screen Shots have been simplified and made more versatile
- Using a menu item or short cut (Cmd/Shift/5), you will get options to:
  - Capture a window, a screen, or selection
  - Record a screen or selection
  - Go to settings where you can set a start timer, and show or hide the cursor

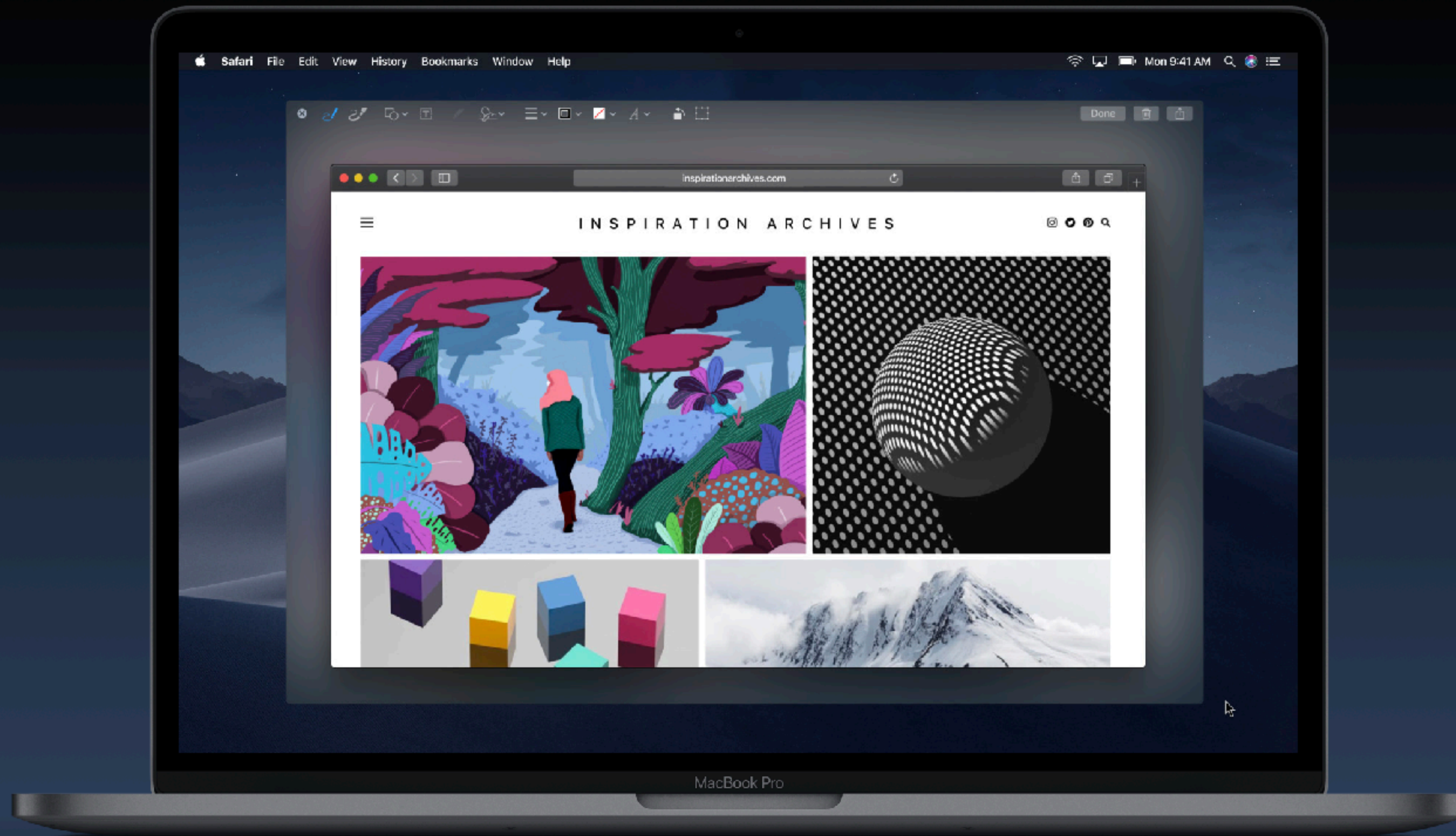


# Screen Shots




- You will be able to customize where you'd like to save your screenshots (not just the desktop)
- When you take a screenshot, a thumbnail of it will animate to the corner of the screen
- Leave it there to automatically save it to the destination you've chosen, or...
- Click it to mark it up and share it right away — without having to save a copy
- This is consistent with the way iOS works today





Replay 



Options 

Capture  
Screen

Capture  
Window

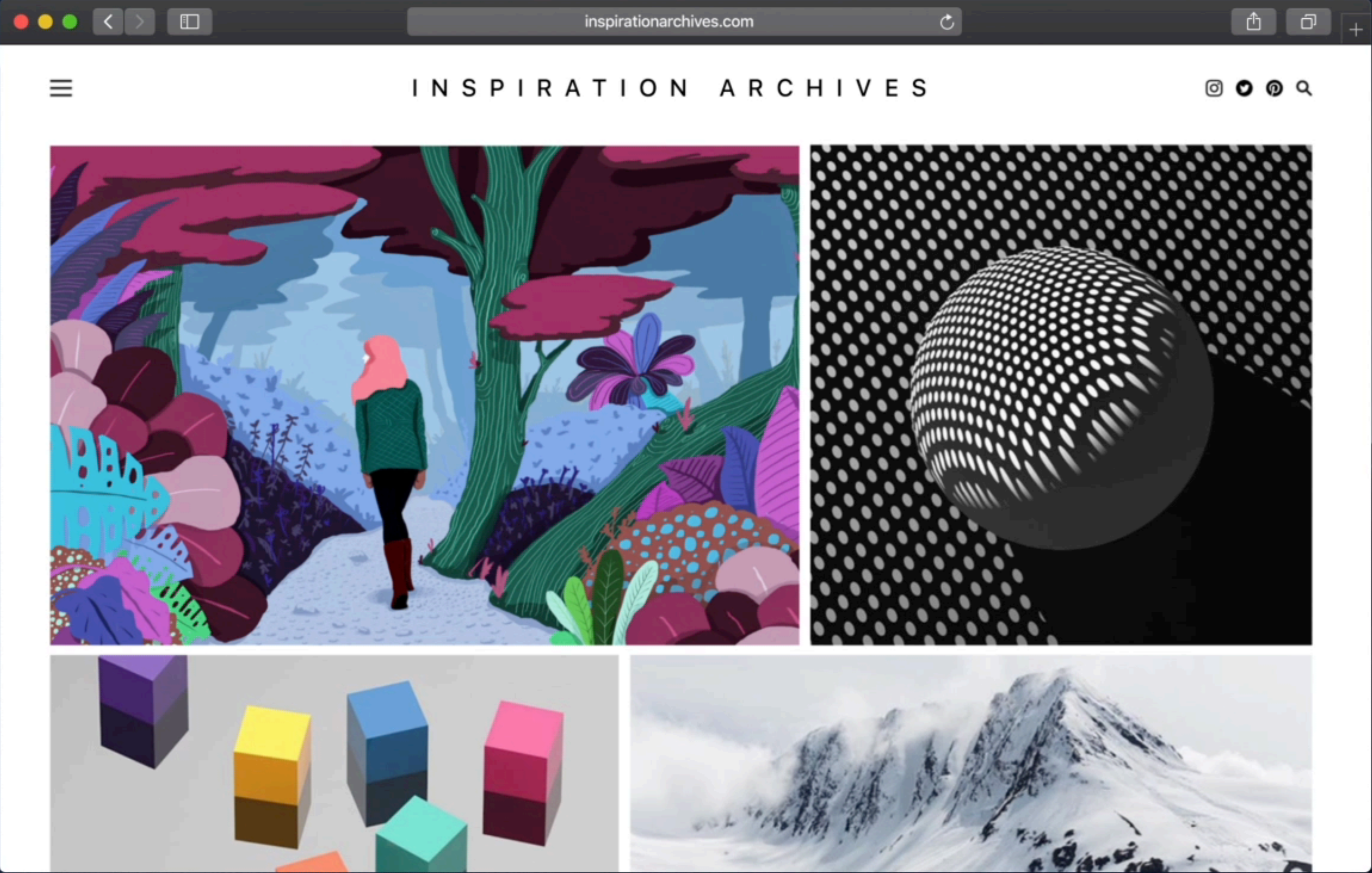
Capture  
Selection

Record  
Screen

Record  
Selection

Custom Save  
Destination





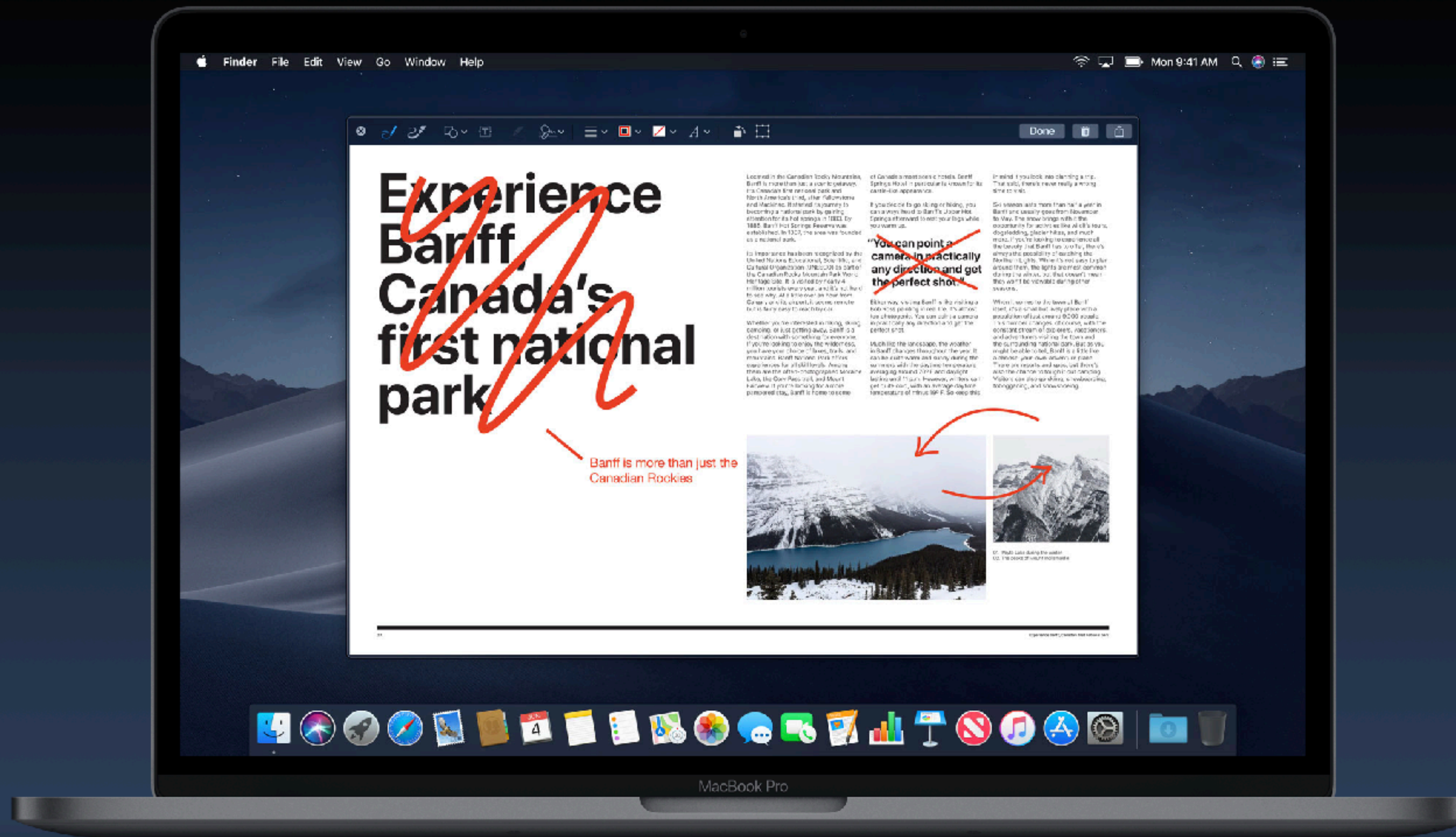


# Quick Look

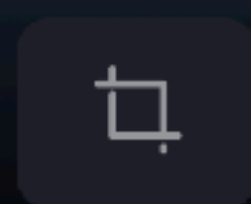


- Quick Look today allows you to select a file, tap the space bar, and get a preview of that file without launching any apps
- In Mojave, Quick Look will have added functionality including the ability to:
  - Mark up PDF's and images
  - Rotate and crop PDF's and images
  - Trim audio and video files
  - Share via Mail, Messages, or AirDrop





Mark up images  
and PDFs



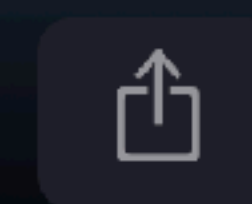
Crop images  
and PDFs



Rotate images  
and PDFs



Trim audio and  
video files



Share via Mail,  
Messages, or  
AirDrop



# Finder



- Finder has several new features including a new view
- To refresh your memory, currently Finder has four views:
  - Icons
  - List
  - Columns
  - Cover Flow





## Finder View



# Finder



- Mojave replaces Cover Flow with a new Gallery View
- This view allows you to scroll through big previews of your files
- Gallery View also includes complete metadata for the file selected
- Metadata provides the key details of any file
- For example: If you're looking for a specific image, you can quickly confirm the camera model, aperture, exposure, ...

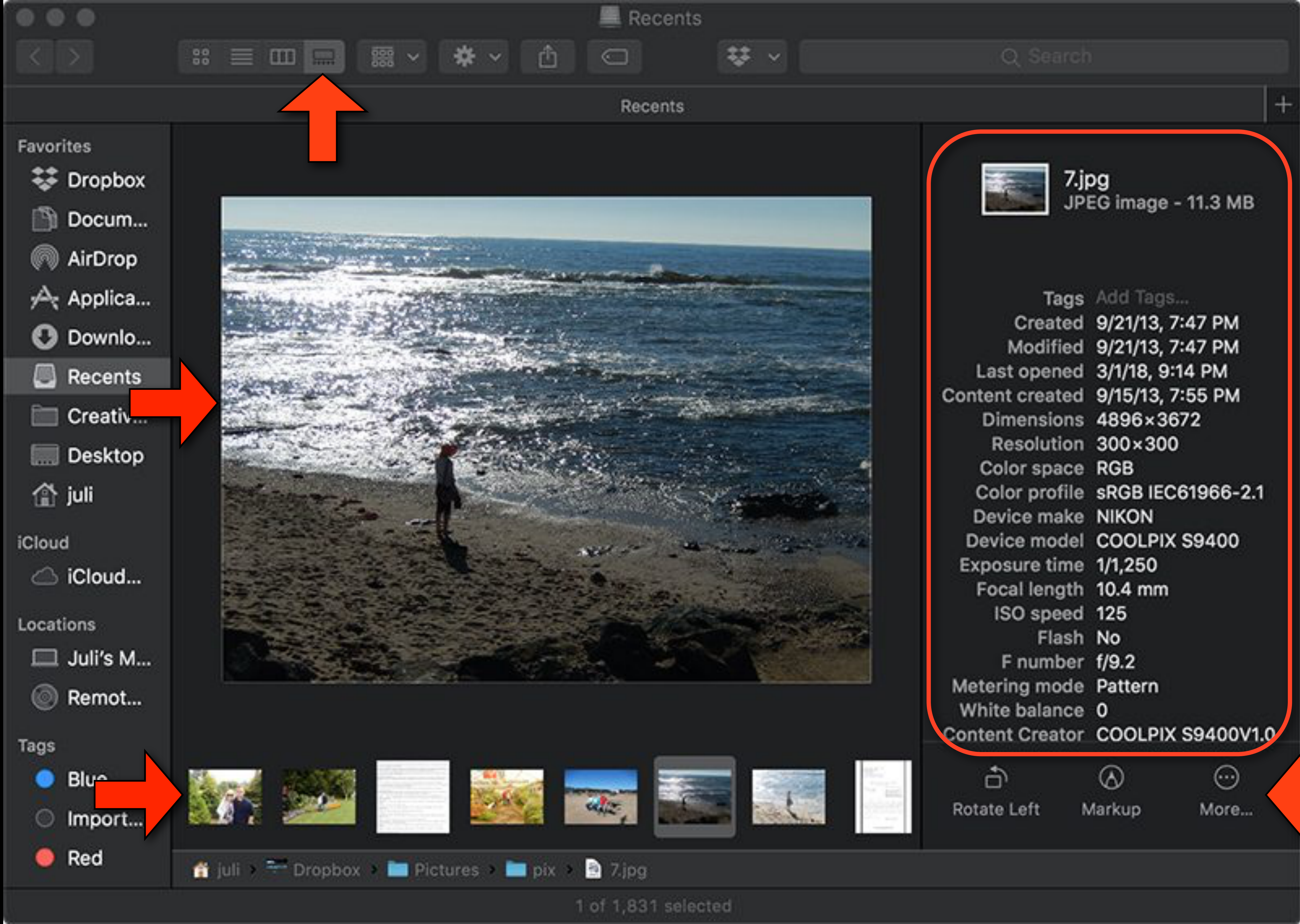


# Finder



- You also now get Quick Actions in the Gallery View similar to the actions provided in Quick Look
- These actions work on files right from the Finder
- For Example: Rotate images, password-protect documents, trim video, and more — without having to open an app or rename and save your file
- You can even work on multiple files at once







# Stacks



- Stacks are for people with a cluttered desktop
- They automatically organizing your files into related sets:
  - Group by kind (images, documents, spreadsheets, PDFs, ...)
  - Arrange by date to group your work from certain time periods
  - Group by tags that you create yourself
- Browse all the files in a stack by scrubbing over it with your cursor
- Or click to expand the stack and open what you need





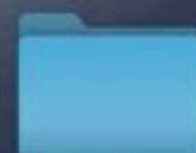
Yellowstone



Projects



Yellowstone.key



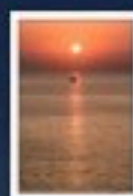
Work



Summer Garden Party



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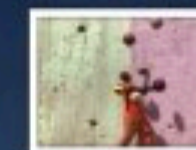
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District Market .pages



Example fern



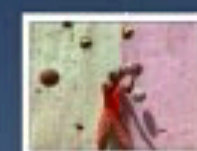
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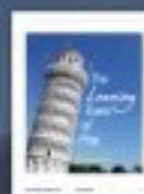
Dinner Party



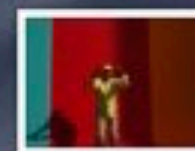
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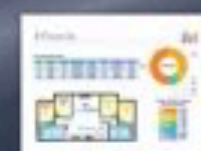
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Pisa Report



IMG\_10293.JPG



Roommate Budget



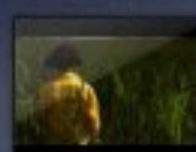
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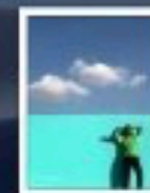
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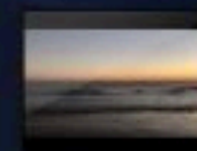
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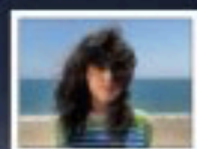
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170710\_Demo-7 .MOV



IMG\_5961.JPG



170709\_Demo. mov



Travel Guide



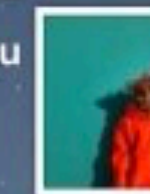
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Galapagos



Peru



IMG\_8120.JPG



IMG\_7282.JPG



History Skateboarding



170711\_Demo.MOV



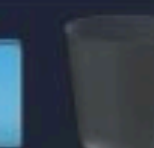
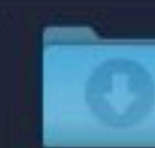
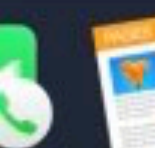
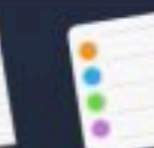
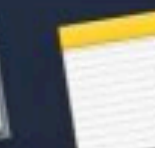
Screen Printing .key



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Iceland







Documents



Presentations



Spreadsheets



PDF Documents



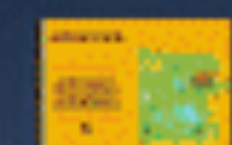
Images



Movies







Yellowstone



Projects



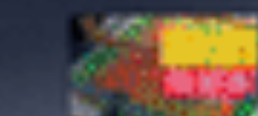
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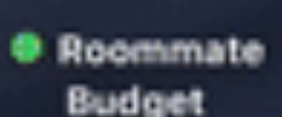
Work



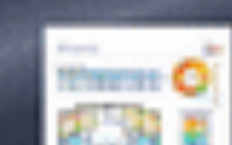
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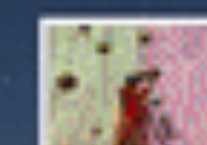
Screen Printing



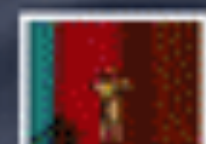
Roommate Budget



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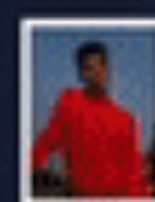
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IMG\_10293.JPG



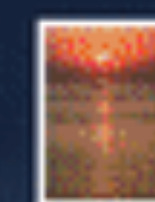
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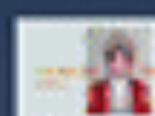
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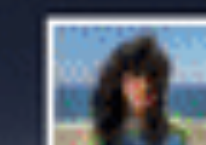
District Market .pages



Chinese Opera



170710\_Demo-352 .MOV



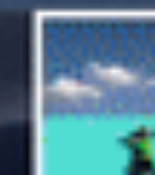
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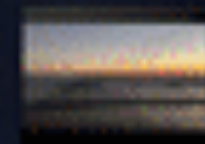
170709\_Demo. mov



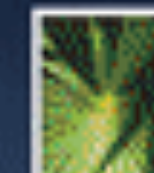
Travel Guide



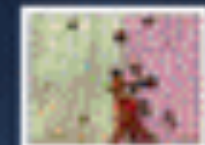
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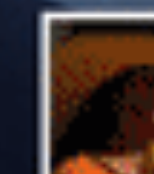
170710\_Demo-7 .MOV



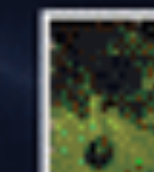
Example fern



IMG\_4985.JPG



IMG\_6093.JPG



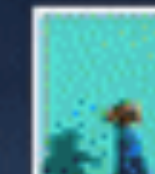
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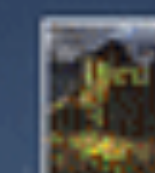
Iceland



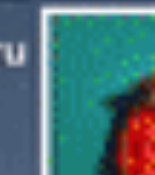
Dinner Party



IMG\_9102.JPG



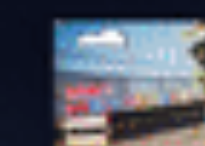
Peru



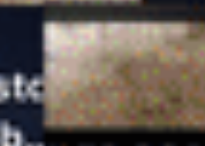
IMG\_8120.JPG



Galapagos



Histo Skateb...



170711\_Demo.MOV



170826\_Demo.MOV



Screen Printing .key





# Dynamic Desktop



- You can now set your desktop so that it changes to match the time of day



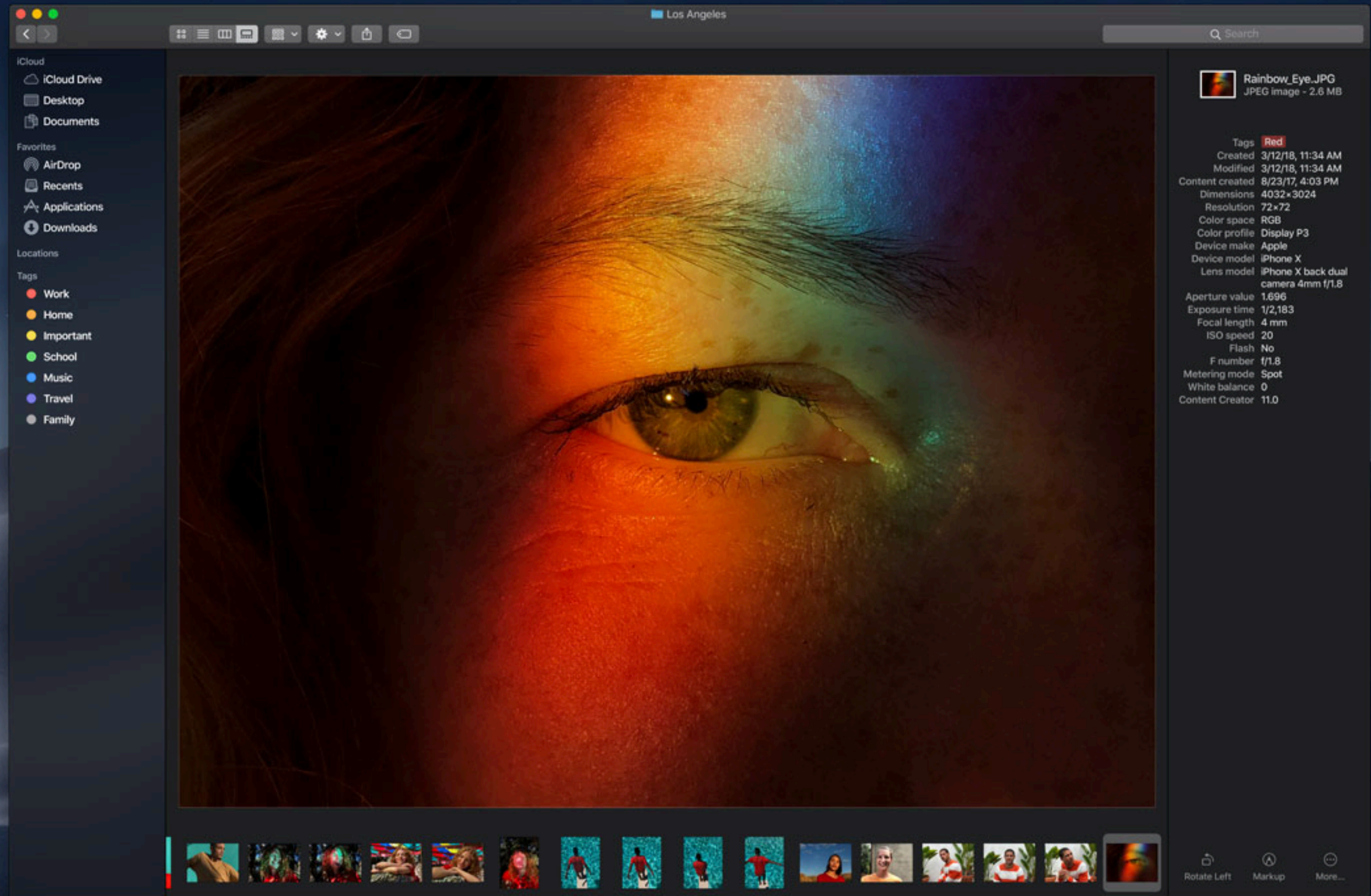


# Dark Mode



- Mojave contains a “Dark Mode” which darkens the screen. Why?
  - Easier on the eyes - less strain
  - Easier for the visually impaired
  - Makes content “Pop” and brings it to the forefront - especially good for editing photos and video
  - Should extend battery life and it’s cool!
- Switch it on/off in System Preferences or menu bar
- Dark Mode works with built-in apps that come with your Mac, but third-party apps can adopt it too





Finder



# Group FaceTime



- Like iOS, with Mojave, you can jump on a FaceTime call with up to 32 people
- Invite anyone to join a call anytime it's in progress
- The same call can include both audio and video callers
- Participant views are dynamically resized based on how active they are
- You'll be able to connect using whatever device is closest at hand: Mac, iPhone, iPad, even Apple Watch (audio only)



# FaceTime





# Continuity Camera



- Now you can use your iPhone to shoot a nearby object or scan a document and have it automatically appear on your Mac
- Just choose Insert a Photo from the Edit menu of a compatible app
- For example: you can take a photo of something on your desk and instantly see it in your Pages document
- Or you scan a receipt, and a straightened version is immediately available in the Finder as a PDF
- Continuity Camera works in Mail, Notes, Pages, Keynote, Numbers, and more...







# iOS Frameworks



- Apple is developing tools to make it easier for developers to take an iOS app and move it to macOS
- These tools are called iOS Frameworks
- Apple is testing these tools internally by including a Mac version of their own iOS apps in Mojave: Home, News, Stocks, and Voice Memo
- These apps will sync thru iCloud, so you can use them on any of your devices
- Starting in late 2019, these additional frameworks will be released for developers to bring their iOS apps to macOS





Home App



# Mojave - Other



- Apple is splitting up system and app updates in macOS Mojave
  - Mojave's new App Store will display updates for apps only
  - System and security updates will be available in a new pane in System Preferences
  - Again, this mirrors how updates are handled in iOS
- Mojave makes it easy to add emoji in Mail with a new Emoji button
- Siri now controls HomeKit-enabled devices from the Mac and it can help you find saved passwords





# Questions?



# Thank You!



\*Presentation produced on an iMAC using Apple's  
Keynote software and presented on an iPad