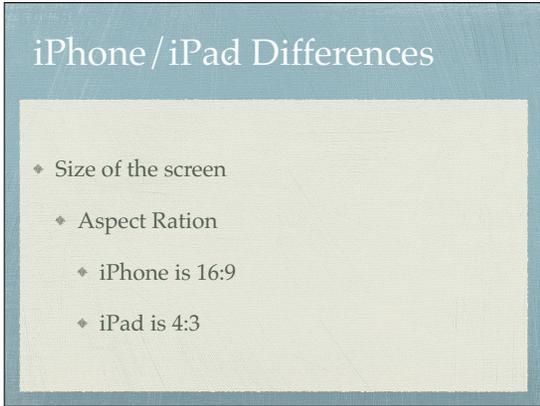
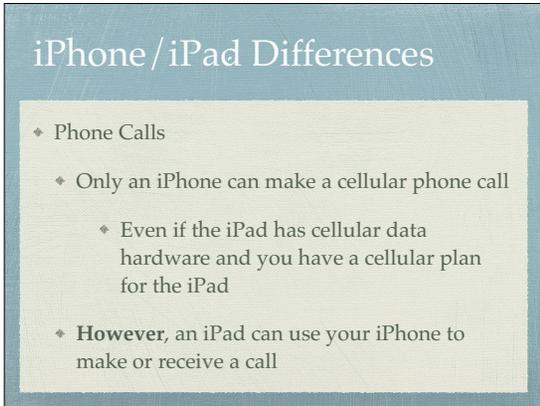


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2



3

iPhone/iPad Differences

◆ App Compatibility

- ◆ An app written for the iPhone can run on the iPhone and the iPad
- ◆ An app written for the iPad won't run on the iPhone (mostly because of the screen resolution and aspect ratio)

4

iPhone/iPad Differences

◆ App Compatibility

- ◆ iPhone apps often look bad on the iPad screen
- ◆ An iPhone is commonly operated with one hand or by two thumbs
- ◆ iPad are usually operated with two hands

5

iPhone/iPad Differences

◆ App Compatibility

- ◆ Apple strongly presses developers to write apps for both the iPhone and iPad
- ◆ This is a major reason Android tablets aren't as well accepted as an iPad
 - ◆ Android developers do not have the incentive to write apps for tablets

6

iPhone/iPad Differences

- ◆ Operating systems
 - ◆ iPad OS 13 was released in 9/2019
 - ◆ The Latest iPad OS is 16 released in 9/22
 - ◆ The latest version is iPad OS 16.3

7

iPhone/iPad Differences

- ◆ iPad OS
 - ◆ The split from iOS occurred to:
 - ◆ Add more multitasking features
 - ◆ Improve file handling features
 - ◆ Apple wants to allow the iPad to be viewed as an alternative to a laptop or desktop
 - ◆ This requires features that will not work well on a phone size device

8

iPhone/iPad Differences

- ◆ iPad OS
 - ◆ The evolution of the iPad features has been a slow step by step move
 - ◆ Some file handling and Multitasking features have come and gone as Apple has felt their way along
 - ◆ We will explore some of them over the next several weeks

9

What will these devices do?

- ◆ Email
- ◆ Keep an address book
- ◆ Keep a calendar
- ◆ Messaging
- ◆ Browsing the Internet
- ◆ Games
- Take Pictures
- Play music and videos
- Display maps and give directions
- Read books and magazines
- Note taking
- Many other things

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What will they do?

- ◆ At the early days of the iPhone and even the iPad
 - ◆ If all you did was email, browse the web and use facebook....
 - ◆ Maybe you didn't need a "computer", a iPhone or iPad could work for you.
 - ◆ If you needed a larger screen you would choose an iPad instead of an iPhone

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What will they do?

- ◆ As the iPad grew in size, power and capability, its ability to do things which used to require a "real computer" is much better
 - ◆ What things?
 - ◆ Among them:
 - ◆ Marine Navigation
 - ◆ Databases
 - ◆ Photo Editing
 - ◆ Video Editing
 - ◆ Editing software

12

What will they do?

- ◆ As the iPad grew in size, power and capability, its ability to do things which used to require a "real computer" is much better
 - ◆ What things?
 - ◆ Among them:
 - ◆ Drawing /Painting
 - ◆ Note taking
 - ◆ Control your Mac from your iPad
 - ◆ Control your iPad from your Mac
 - ◆ Use you iPad as a second screen for your Mac

13

What can you attach to an iPad?

- ◆ Mouse
- ◆ Keyboard
- ◆ Hard Drives
- ◆ SSDs
- ◆ SD cards
- ◆ USB Flash Drives
- ◆ Dock Stations

14

What can you attach to an iPad?

- ◆ The big limitation is power requirements
 - ◆ Often the attachment must have another source of power

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On an iPad
Everything is done by running an app

- ◆ 2 Types of Apps
 - ◆ Built in apps from Apple
 - ◆ Purchased Apps (both free and for a fee)

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Built in Apps

- Activity
- Calculator
- Calendar
- Camera
- Compass
- Contacts
- Facetime
- Find My
- ◆ Game Center
- Health
- iBooks
- iCloud Drive
- Mail
- Maps
- Messages
- Music
- Notes
- News
- Photos
- Podcasts
- Reminders
- Safari
- Stocks
- Stores
 - App Store
 - iTunes Store
- Tips
- TV (formerly Video)
- Voice Memos
- Wallet
- Weather

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Purchased Apps

- ◆ Millions of them
- ◆ "There is an app for that!"

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Operating system

- ◆ iOS
 - ◆ Controls everything the device will do
 - ◆ Updated yearly
 - ◆ currently is iPad OS 16.3
 - ◆ How do you know what you have?
 - ◆ Settings→General→About
- ◆ To get the best use out of the device, you must know a little about iOS

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Operating system

- ◆ iOS 16 for the iPhone and iPad OS 16 are mostly the same for both the iPad and the iPhone
 - ◆ The difference between them are mostly due to the hardware and displays
 - ◆ However, the greatest departure is multitasking and file handling
- ◆ iPhones have WiFi and carrier network (data and phone) and GPS
- ◆ iPad all have WiFi but some have carrier network (data only) and GPS capability

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Basic Security

- ◆ Touch ID & Passcode
 - ◆ →Settings→Touch ID & Passcode→Add a Fingerprint
 - ◆ Set up a fingerprint
 - ◆ label it

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Basic Security

- ◆ Face ID & Passcode
 - ◆ →Settings→FaceID & Passcode→Add a Face ID
 - ◆ Set up
 - ◆ Allows two faces
 - ◆ Settings→FaceID & Passcode→Set up an Alternative Appearance

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Buttons and Physical stuff

- ◆ Sleep / Awake button top
- ◆ Volume buttons
- ◆ Speakers
- ◆ Microphones
- ◆ Back and Front Cameras & flash (some older iPads don't have it)
- ◆ Lightning connector or USB C for 2018 iPad Pros & newer and 2022 iPad Airs
- ◆ Headphone jack (gone on some newer iPad)
- ◆ Home button vs slide up

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Buttons and Physical stuff

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Sleep, awake and shutdown

- ◆ Wake it up
 - ◆ Click home button or press sleep/awake button
 - ◆ Tap screen on newer i
 - ◆ Pads
- ◆ Lock it
- ◆ Shutdown
- ◆ When to let it nap
 - ◆ →Settings→Display & Brightness→Autolock

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Finger Gestures

- ◆ Tap
- ◆ Tap & Hold
- ◆ Drag
- ◆ Flick
- ◆ Hard Press or Long Press
- ◆ Pinch in/out
- ◆ Double tap

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Sounds

- ◆ You can adjust the sounds for many actions
 - ◆ →Settings→Sounds
 - ◆ Ringtones
 - ◆ Other actions

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Control Center

* ↑ from below the screen (If no Home Button ↓ from upper right horn)

* Top Section

- * Airplane mode
- * WiFi (turns on / off local WiFi connection)
- * Bluetooth (turns on / off local Bluetooth connection)
- * Orientation lock
- * Air Play
- * Mute
- * Brightness
- * Volume



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Control Center

* ↑ from below the screen (On older iPads
 * or on newer ↓ from upper right horn)

* Music Section

- * Play
- * Reverse
- * Fast Forward

* Hard press (or long press) to get more controls including

- * Volume
- * Redirect sound



29

Control Center

* ↑ from below the screen (On iPhone X or newer, ↓ from upper right horn)

* Screen Mirroring (AirPlay Section)

- * Stream audio, video



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Home Screen

- ◆ As many screens as you need
- ◆ Navigate by flicking or dragging
- ◆ Move icons by tap and hold until icons shake
 - ◆ Then drag icon to place or screen you want
- ◆ Delete icons by pressing the x (can hide but not delete Apples built in apps)
- ◆ End the edit by pressing the Home Button, or swipe up from below the screen for iPhones without a Home Button

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Home Screen

- ◆ App Library
- ◆ Dock

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Create a folder

- ◆ Tap and hold an icon until the icons shake
- ◆ Drag the icon on top of another icon
- ◆ When it create the gray folder you may change the suggested name it has created
- ◆ Icons can be dragged in and out of folder that are already created

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iPad OS 16 FEATURES

<https://support.apple.com/ipad>

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iOS 16 update

<https://support.apple.com/ios/update/>

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Typing

- ◆ Physical keyboards
 - ◆ Bluetooth and wireless keyboards
 - ◆ Magnetically connected keyboards
 - ◆ iPad Pro and other newer iPads

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Typing

- ◆ Virtual keyboards
 - ◆ Changes based on what you are going to type
 - ◆ Text Replacement (Shortcuts) to make typing faster
 - ◆ →Settings→General→Keyboard→Text Replacement

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Typing

- ◆ Can change keyboards for many languages
 - ◆ →Settings→General→Keyboard→Keyboards→Add New Keyboard...

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Typing

- ◆ Skills to know
 - ◆ The character is selected when you let go of a key
 - ◆ Copy & paste
 - ◆ Shake to undo
 - ◆ What is underneath some keys
 - ◆ Hold & slide numeric/alpha key

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Alternatives to Typing

- ◆ Siri
- ◆ Audio input

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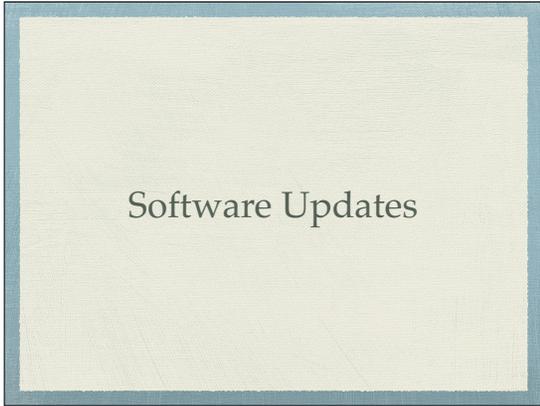
Your Apple ID

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2 Factor Authentication - Apple

- ◆ [Apple web page on 2 Factor Authentication](#)
- ◆ When you try to access your Apple ID account
 - ◆ Code is sent to trusted device
 - ◆ Can have a text or call to a trusted phone #

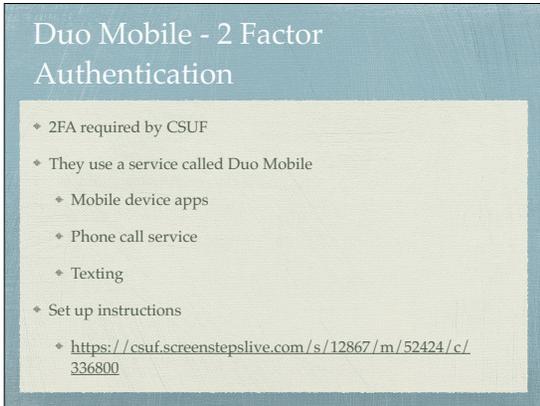
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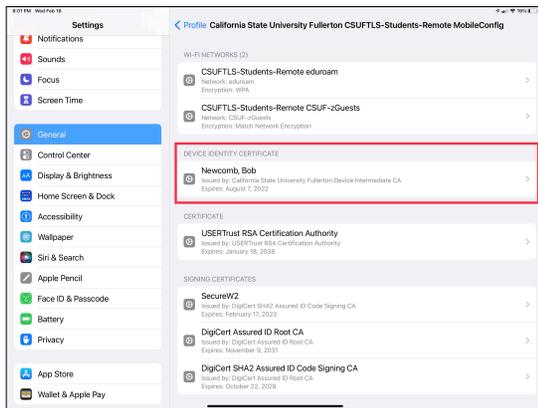


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CSUF WIFI (EDUROAM)

- ◆ After the CSUF account is set up and working
- ◆ Set up EDUROAM on each device
 - ◆ https://oli.fullerton.edu/more_info/CSUFWiFi.php
 - ◆ <http://wireless.fullerton.edu/guides/instructions.php>

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Alternative access to EDUROAM

- ◆ You can get into Eduroam using a username and password
- ◆ Not recommended due to increased likelihood of causing you account to be locked

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CSUF WIFI (EDUROAM)

Troubleshooting

- ◊ When you create your Eduroam profile (certificate) it will remain active for about 14 months
- ◊ After that it must be renewed
- ◊ Sometimes going through the process to add your profile again it might fail.
- ◊ If it does you must remove the profile (certificate) before trying to add it again
 - ◊ How to do that is shown here
 - ◊ http://wireless.fullerton.edu/guides/troubleshooting/certremove_apple.php
 - ◊ This procedure is slightly wrong, Apple has moved the VPN and the Profiles into a single submenu called **VPN & Device Management**

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