# Apple iPhone 6 and iOS 8

Peter Hirsch

#### **Apple iPhone 6**

- Larger cell phone
  - Lighter and Thinner
  - Larger Memory
- Faster Cell Phone
- Better Camera
- Reasonable Pricing
- Fingerprint Unlock
- Somewhat better Battery Life

## iPhone 6 Larger Cell Phone

- ▶ iPhone 5
  - 4 -inch display
- ▶ iPhone 6
  - 4.7-inch, 1,344x750-pixel display
- ▶ iPhone 6 Plus
  - 5.5-inch, 1,920x1,08pixel display
  - Called a "Phablet"



### iPhone 6 Thinner and Lighter

- iPhone 6
  - 6.9mm thick
  - 4.55 oz in weight
- iPhone 6 Plus
  - 7.1 mm thick
  - 6.07 oz in weight



#### iPhone 6 Colors

- Three Two colors:
  - Silver: White Front/Silver Back
  - Gold: White Front/Light Gold Back
  - Space Gray: Black Front/Darker Silver Back



#### iPhone 6 Larger Memory

- 16 Mbytes
  - Probably too Small to be practical
- 64 Mbytes
  - Probably Just Right
- ▶ 128 Mbytes
  - Maybe too Large, unless you have lots of photos or data
- Remember the size of main frame memories?
- Note: No 32 Megs

### iPhone 6 Faster Cell Phone

- Faster processor
  - A8 chip is 25% faster than the A7 used in the iPhone 5
  - A8 chip is 50% better in graphic performance
- Uses 4G LTE Cell phone connection
  - Uses 20 bands
- Improved WiFi speeds
  - 2-3 times faster than iPhone 5 in speed tests
  - Uses 802.11 ac chip rather than the older 802.11 b/g/n chip
  - You will need a router that supports 802.11 ac protocol to get this performance
- Has Near Field Communication (NFC)

### iPhone 6 Improved and New Sensors

- Apple has added a tiny barometer to sit alongside the accelerometers, geo-location sensors, and data recording facilities of the co-processor
  - Barometer can sense when you are changing height

#### iPhone 6 Improved Camera

- Slow Motion Video1080p
- ▶ 1080 pixels HD VIDEO at 60 fps
- SLO-MO AT 720pixels at 240 frames per second
- Front Camera 10 shots/Sec in burst mode
- Large 1.5-micron pixels and f/2.2 aperture lens
- Focus Pixels for faster autofocus and preview



- New Sensor
  - Improved low light performance
  - 8 Megapixels
  - Focus Pixels at the edge of Sensor
- Image stabilization on iPhone 6 Plus
- Japanese JSR Lens

## iPhone 6 Reasonable Pricing

- Capacity and Price with 2 Year Cell Contract
  - iPhone 6
    - 16GB \$199
    - 64GB \$299
    - 128GB \$399
  - iPhone 6 Plus
    - 16GB \$299
    - 64GB \$399
    - 128GB \$499

- Most Cell Phone Vendors are Providing a Discount
- At Verizon, I got a \$200
   Gift Card

#### iPhone 6 Finger Print Unlock

- iPhone needs to be trained for one finger
- Finger can be in several positions
- Code can be used as well
- Finger can be rotated
- Cannot use another finger on your hand nor someone else's hand



## iPhone 6 Somewhat Improved Battery Life

- Larger Battery
- Larger Screen
- Overall Improved Battery Life



#### iPhones and iPads Comparison



A handy comparison of all iOS screen sizes: 4S, 5S, 6, 6 Plus, iPad Mini, iPad Air.

#### My Purchasing the iPhone 6

- ▶ iPhone 6 announced 9/6/14
- ▶ I ordered iPhone 6 from Verizon 9/10/14
  - 16 Gigabytes, Gold
- I received phone 9/19/14
  - 64 Gigabytes, Silver
- Today orders may not be shipped for 30-60 days, unless still in stock from 9/19/14 allotment



### Apple iOS 8

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### iOS 8 New and Improved Built-in Apps

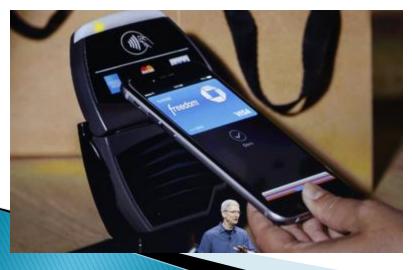
- Camera App
  - Bust Mode
  - Panorama Photos for iPad
  - Time-Lapse Video Mode
  - Camera Timer
  - Separate Focus and Exposure Controls
- iBooks
  - Pre-Installed
  - Night Mode for easier reading at night
- Health App (new)



#### **iOS** 8

#### **New and Improved Built-in Apps**

- Apple Pay (new October 20)
  - Allow a user to pay with a credit card by swiping the phone
- Keyboard Apps
- Apple Health App with Emergency Info.
- Apple Watch (new in 2015)





### Apple iOS 8 Additional New and Improved Features

- Touch ID for apps
- App Extensions (Extensibility)
- Quick type
- Handoff
- Group messages improvements
- Details tab in Messages app
- Interactive notifications
- Voice/Video messages
- Quick send latest photos in messages

#### iOS 8 Installation

- Requires 6.5 Gigabytes of unused space
  - You will have to delete or put in the Cloud photos, videos and delete some apps
- Can take about an Hour to Download and another Hour to install
- Most Apps need to be updated to support iOS 8 and will have to be downloaded. This could take 30-60 Minutes depending on the number of apps.
- ▶ Be Prepared to take 3-4 hours for the complete installation or buy a new iPhone 6 with it installed

