

## Lab – Mobile Device Information

### Introduction

In this activity, you will use the Internet, a technical journal, or a local store to gather information about an Android and an iOS device. You will document the specifications of each Android and iOS device onto this worksheet. Be prepared to discuss your decisions regarding the devices you select.

### Recommended Equipment

- PC with Internet Connection

### Instructions

**Step 1: Select an Android and iOS device to research. Record the hardware specifications in the boxes below.**

Specifications	Android Device	iOS Device
<b>Model</b>	<i>Xiaomi 14</i>	<i>iPhone 16</i>
<b>Manufacturer</b>	<i>Xiaomi</i>	<i>Apple Inc</i>
<b>Operating System</b>	<i>Android 14 with HyperOS skin</i>	<i>iOS</i>
<b>Available Memory</b>	<i>12 GB RAM + 256 GB/512GB/1TB</i>	<i>8 GB RAM + 128/256 GB/ 512 GB</i>
<b>Camera</b>	<i>Rear: 50 MP for main, telephoto, and ultrawide Front (selfie) camera: 32 MP</i>	<i>Rear (main): 48 MP “Fusion” camera Ultrawide: 12 MP Front / Selfie: 12 MP</i>
<b>Wi-Fi Connectivity</b>	<i>Wi-Fi 7</i>	<i>Wi-Fi 7</i>

Specifications	Android Device	iOS Device
Battery Information	4,610mAh battery	3,561 mAh battery
Screen Size and Resolution	6.36-inch display, Resolution 2670x1200 pixels	6.1-inch (diagonal) OLED "Super Retina XDR" display Resolution: 2556 × 1179 pixels
Size and Weight	Size: 152.8 × 71.5 × 8.2 mm Weight: 193 g	Size: 147.6 mm x, 71.6 mm x 7.80 mm Weight: 170 grams

**Step 1: Based on your research, which mobile device would you select? Be prepared to discuss your decisions regarding the mobile device you select.**

*For me, I will select the android device. This is because overall, It has much better specification than the iOs device. Comparing the 2 devices, which based on the information I gathered, they released around 2024. Comparing them side by side, the android device beats the iOS device on most of the categories. Also even though not included here, their prices, the android one is much cheaper going at around above 26 thousand pesos compared to the iOS device's price which is around 45 thousand pesos and higher.*

#### Conclusion

What I learned from this activity is that there many things to consider when choosing a phone. For me I just choose a phone that is decent and do not really compare them online when choosing a phone as I do not really use my phone much except for things like light browsing and communication. What I considered when choosing phones to compare I aimed for their release date to be at least the same year so I can get a somewhat fair comparison. Also I considered their pricing when selecting them as cheaper models can be also made with weaker parts. Overall, I think this activity is fairly easy because the information about the phones specifications are not hard to find as they are scattered in the internet but I still learned more on how each part of the phones work in order to compare them properly.