Mendoza, Nathaniel CPE11S1

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
Model	*Galaxy 25 Samsung*	*iPhone 17*
Manufacturer	*Samsung*	*Apple*
Operating System	*Android 15, One UI 7*	*iOS 26*
Available Memory	*12 GB RAM; Storage options: 128 / 256 / 512 GB*	*8 GB RAM; Storage: 256 GB or 512 GB*
Camera	*Rear: Triple camera – 50 MP main – 12 MP ultra-wide – 10 MP telephoto (3×) Front: 12 MP*	*Rear: Dual 48 MP (Main + Ultra-wide) Front: 18 MP*
Wi-Fi Connectivity	*S25 supports Wi-Fi 7, wireless charging etc.*	*Supports latest standards; typical Apple devices have up-to-date Wi-Fi and Bluetooth. (Not always listed in summary)*

Specifications	Android Device	iOS Device
Battery Information	*4,000 mAh for base model*	*3692 mAh battery*
Screen Size and Resolution	*6.2-inch AMOLED (base), 120Hz; resolution ~1080 × 2340 px (~416 ppi) for the base; the Plus version has QHD+ etc.*	*6.3-inch OLED, 2622 × 1206 px, ~460 ppi; 120 Hz refresh rate; ProMotion, Always-on display.*
Size and Weight	*The base S25: ~146.9 × 70.5 × 7.2 mm; Weight ~162g*	*Height ~149.6 mm; Width ~71.5 mm; Thickness ~7.95 mm; Weight ~177g*

Step 2: Based on your research, which mobile device would you select? Be prepared to discuss your decisions regarding the mobile device you select.

I would choose Galaxy Samsung S25 over the newest released iPhone 17, because not only it consists of balanced specifications that would fit my performance for playing/gaming and the quality of cameras for taking pictures of sceneries and talking about taking photos I already have my personal DSLR in which I won't really need another device for taking good sceneries, as a college student there are some schedules that may take more than 10 hours a day so I would need a battery that would last long in which samsung fits the best in my case. Talking about prices, its less expensive than the iPhone itself. Additionally, the Galaxy S25 offers a powerful Snapdragon 8 Elite processor with 12GB of RAM, which means smoother gameplay, faster app switching, and better multitasking compared to the iPhone's 8GB RAM. Based off the informations I sort of wanted a less weight for my pockets as I enjoy walking and lesser size. Overall, I prefer the Galaxy S25 because it feels like the more balanced if I were to base on its specification and it is a good choice for strong hardware for gaming, versatile cameras for photography, a beautiful display, and at the same time, a lower price compared to the iPhone 17. It fits my needs and lifestyle better without compromising performance, Additionally, I got used to using Android for a while now and there are some applications that I can only access on Androids that I can't on iOS.

Conclusion:

In conclusion, after carefully comparing the iPhone 17 and Samsung Galaxy S25, I decided that the Galaxy S25 suits my needs better because of its balanced specifications, lower price, and strong performance for gaming and photography. Visiting the official manufacturer websites helped me see the exact specifications and compare them side by side, which gave me a clearer picture of their strengths. I also checked forums and feedback sites, where users shared real experiences about battery life, display quality, and camera performance, making my decision more informed. This activity showed me the importance of researching beyond advertisements and using credible sources when making tech choices. Overall, I learned that combining official specs with real user feedback gives a more realistic view of whether a device is truly worth it.