Lab 1 – Introduction TO Mobile Development

NIMSITH FERNANDOPULLE

100806868

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Mobile Security

Mobile Manufacturer

Mobile Plans

MOBILE SECURITY

Definition

Mobile security is the protection of any mobile devices such as smartphones, tablets, laptops and other portable computing devices from any threats and vulnerabilities associated with wireless computing.

Timeline

Over the years Mobile security has improved vastly from having no security to multiple layers of security in one device to access various things, as when mobile devices were released people didn't need security as it was only used for phone calls, fast forward to the present day, and it seem that most of us use our phones for everything but make calls. From social media to holding our most important information.

1. PIN Numbers

2. Unlocking Function

3. Scanning Fingerprints

4. Iris and Facial Recognition

Uses

In the Modern world keeping devices secure has become increasingly important as the number of devices and the ways these devices are being used have changed dramatically. This dramatic increase has also increased the activity of cybercriminals who target both the devices and the back-end systems where they will be able to access all your private data from your SIN number to bank information. Consequently, securing your from using passwords fingerprints and having many levels of security will prevent from sensitive data from being leaked or being stolen.

Advantages & Disadvantages

- The most important and basic advantage of having many layers of security is preventing personal sensitive data being leaked and misused

- Data backup

- Automated device registration controlling device updates

- Warnings when visiting sketchy websites or links etc.

Obviously, there is not a lot of disadvantages of having mobile security, the only one I can think of right now is uses forgetting passwords or using the same password for all sorts of accounts, which is why 2 factor authentication is being marketed by organizations.

Mobile Manufacturer

Over the years I have been associated with various phone manufacturers to different phone models. I got my first phone when I was 15 which was a Google Pixel 1, then I upgraded the Google Pixel 1 to a Samsung Galaxy S8, and Now I have been using the iPhone 12 for a year.

iPhone 12

Manufacturer – Apple

Model – iPhone 12

Price – $1200 CAD

Release Date – October 13th, 2020

Operating System – IOS

Chipset – A14 Bionic Chip

Processor – A14

Memory (RAM) – 4GB

Memory (Internal) – 8GB

Memory (External) – 64GB

Display – Super Retina XDR OLED, HDR10, Dolby Vision

Camera (Rear) – 12 MP, f/1.6, 26mm (Wide) | 12 MP, f/2.4, 13mm (Ultra-Wide)

Camera (Front) - 12 MP, f/2.4, 23mm (Wide)

GPS – Yes With A_GPS, GLONASS, GALILEO, QZSS

Battery – Li-lon 2815 mAh

Battery (Talk Time) – 11 hours

Battery (Standby) – 65 Hours

Network – GSM / CDMA / HSPA / EVDO / LTE / 5G
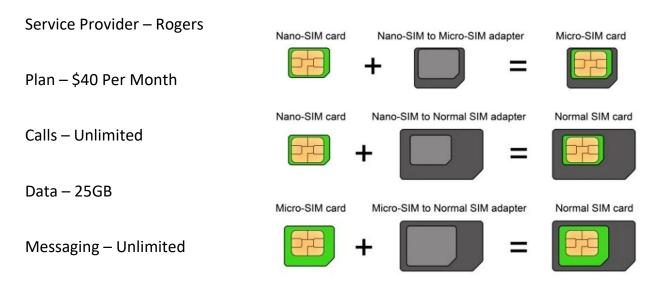
Synchronized with Desktop/Laptop – Yes

Voice Enabled – Yes, Siri

Browser – Safari

Security – Iris Scanner

Display size and Resolution – 6.1' | 1170 x 2532 Pixels

Mobile Plans

Service Provider – Rogers

Plan – $40 Per Month

Calls – Unlimited

Data – 25GB

Messaging – Unlimited

Global Texting – Roaming Activated

Voice Mail – Enhanced Voicemail

Call features – Call and Name Display, Waiting, Forwarding and Group Calling

Service Credits – Extra Data after 1 year

Fees – Going over the limit for Roaming

Usage Policy – Unlimited data at reduced speed 25GB at high speed

Coverage – Worldwide | Extra fee added when used internationally