

Lab 1

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MODE 4201



INTRODUCTION TO MOBILE DEVELOPMENT

Contents

Mobile Development	3
Mobile banking	3
Mobile Manufacturers	4
My phone	6
Mobile Plans	6
My Plan	7
References:	8

Mobile Development

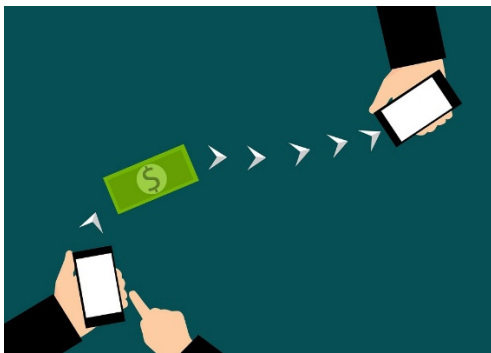
Mobile banking



Mobile banking alludes to using an application on a mobile device like a smartphone, tablet, or other IoT device to and make online transactions. Mobile banking was invented in 1999 and initially used SMS. Users initially used mobile banking to view current balances and transaction history, but after larger banks began to back the idea it enabled the growth of the industry and the advancement of technology available. By 2011 RB introduced the on of the first mobile banking apps that we would recognize today. Before that only small numbers of people used mobile banking services. Thanks to the advance in technology and the adaptation by the larger banks it is now estimated that up 46% of users have switched to the use of online banking. The Mobile banking industry predicted to continue growing as more and more users see the convenience of not using brick and mortal services. Mobile banking's most commonly used to allow customers make monetary transfers or to check their account balances as well as monitoring transaction history, sending money to other customers and much more. Mobile banking's main advantages are it ease of use, and availability. Being available anywhere with a secure internet connection makes it far more accessible to people and improves customer

INTRODUCTION TO MOBILE DEVELOPMENT

satisfaction. Enabling anyone with a smart device to perform transactions, check funds, banking history and much more. mobile banking is making the way we use banking easier for everyone. Some of the disadvantages of mobile banking include but are not limited to extra charges from use of the service, lack of availability if the application crashes or is having technical difficulties. Mobile banking is also susceptible to higher likelihood of fraud as there is no one ensuring the person using the app is the account owner. Mobile banking also makes it easier to make mistakes in transactions amounts, and recipients. Mobile banking is likely to continue to grow in popularity as more and more people become connected through smart devices and as the younger generation adapts the technology.



Mobile Manufacturers

Manufacturer	Google	Samsung
Phone Model	Google 2Xl	Samsung s9+
Picture/Photo	Front/Rear	1Front/2Rear
Price	starts at US\$849	\$699.99
Release Date	Friday, March 16, 2018	October 19, 2017,
Operating System	Current: Android 10	Android 8.0 Oreo Samsung Experience 9.0
Chipset	Qualcomm MSM8998 Snapdragon 835 (10 nm)	Exynos 9810 (10 nm) - EMEA Qualcomm SDM845

INTRODUCTION TO MOBILE DEVELOPMENT

		Snapdragon 845 (10 nm) - USA/LATAM, China
Processor	Octa-core (4x2.35 GHz Kryo & 4x1.9 GHz Kryo)	Octa-core (4x2.7 GHz Mongoose M3 & 4x1.8 GHz Cortex-A55) - EMEA Octa-core (4x2.8 GHz Kryo 385 Gold & 4x1.7 GHz Kryo 385 Silver) - USA/LATAM, China
Memory (RAM)	64GB 4GB RAM, 128GB 4GB RAM	64GB 6GB RAM, 12GB 6GB RAM, 256GB 6GB RAM
Memory (Internal)		microSD, up to 1 TB (uses shared SIM slot) - dual SIM model only
Memory (External)	Available	Available
Display	1440 x 2880 pixels, 18:9 ratio (~538 ppi density)	1440 x 2960 pixels, 18.5:9 ratio (~529 ppi density)
Camera Front	8 MP, f/2.4, 25mm (wide), 1/3.2", 1.4µm 1080p@30fps	8 MP, f/1.7, 25mm (wide), 1/3.6", 1.22µm, AF 1440p@30fps
Camera Rear	12.2 MP, f/1.8, 27mm (wide), 1/2.55", 1.4µm, dual pixel PDAF, Laser AF, OIS 2160p@30fps (gyro-EIS), 1080p@30/60/120fps (gyro-EIS), 720p@240fps (gyro-EIS)	12 MP, f/1.5-2.4, 26mm (wide), 1/2.55", 1.4µm, Dual Pixel PDAF, OIS 12 MP, f/2.4, 52mm (telephoto), 1/3.6", 1.0µm, AF, OIS, 2x optical zoom 2160p@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR, dual-video rec., stereo sound rec., gyro-EIS & OIS (30fps)
GPS	Yes, with A-GPS, GLONASS, BDS, GALILEO	Yes, with A-GPS, GLONASS, BDS, GALILEO
Battery	Non-removable Li-Ion 3520 mAh battery	Non-removable Li-Ion 3500 mAh battery (13.48 Wh)
Battery (talk time)	Up to 25hr	26 hours
Battery (standby)	5 days	5 days
Network	GSM / CDMA / HSPA / EVDO / LTE	GSM / CDMA / HSPA / EVDO / LTE
Sync with Desktop	True	True
Voice Enabled	True	True
Browser	Chrome	Chrome
Dimensions	157.9 x 76.7 x 7.9 mm (6.22 x 3.02 x 0.31 in)	158.1 x 73.8 x 8.5 mm (6.22 x 2.91 x 0.33 in)
Weight	175 g (6.17 oz)	189 g (6.67 oz)

My phone

I have a Google Pixel 2 xl, I have had this phone for a little of 12 months and have found it to be very well designed, sturdy, and good on battery life. The google pixel 2xl was the third iteration of the google pixel model and added a larger screen, better battery life and some google specific features. Some of those features include artificial reality camera, google voice assistant and google lens. Google has produced a few new iterations since the pixel 2xl such as the pixel 3xl and pixel 3a. I believe as Google continues to develop new and exciting technology many people will begin to use their devices.

Mobile Plans

Provider	Virgin Mobile	Fido
Plan	Silver Plan 500 Canada wide minutes + 4GB	Small Data, Talk and Text plans 500 Canada wide minutes + 4GB
Calls	500 Canada-wide minutes myPeeps ¹	500 Canada-wide minutes Circle calling ¹
Data	4GB	4GB
Messaging	Unlimited sms and mms to Canada and the US includes international text messaging	Unlimited international text; picture and video messages sent from Canada
Global Texting	Available - roaming charges may apply	available -roaming charges may apply
Voicemail	Yes	Yes
Call Features	Voicemail 3, Call Display, Call Waiting & 3-Way Calling	Fido Roam, Call Display, Voicemail, Call Waiting & Conference Call.
Service Credits	Silver plan up to \$300 less than the retail price phone.	5 free hours of Data Bytes with any Fido Pulse Plan. 1 hour, 5 times a month, without the need for Wi-Fi. \$300 off on a new phone with a 'small' plan!
fees	\$40.00connection fee \$60.00 per month	A Setup Service Fee of \$35 \$60.00 per month

INTRODUCTION TO MOBILE DEVELOPMENT

	“Early Exit Charge may apply: (total phone credits/total months in agreement) x remaining months in agreement.”	“A Device Savings Recovery Fee (DSRF), Additional Device Savings Recovery Fee (ADSRF) and/or Service Deactivation Fee apply.”
Usage policy (Terms and conditions)	up to 5 people on the same account with myPeeps and get unlimited Canada-Wide Calling to each other. Cell pMonthly fee applies in AB (44¢), NB (53¢), NS (43¢), PE (70¢) & NL (75¢).	Canada-wide calls between subscribers on the same account. Offers made available through Fido XTRA have no cash value, and are subject to availability and offer conditions, as may be indicated. See fido.ca/terms for full terms and conditions.
Coverage	Canada wide	Canada & U.S. - wide
Contract length	Monthly or 2 year	2 year
Additional airtime Rate	60¢/minute	50¢/minute

My Plan

I currently have a share everything Plan with rogers, including 10Gb of data a month, unlimited Canada and us call & text, voicemail, 3 way calling, and roam like home. I share my plan with my mother and brother and have been renewing this plan for about 3 years.

INTRODUCTION TO MOBILE DEVELOPMENT

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