



# **CYBER SECURITY FOR MOBILE PLATFORMS**

## **LAB 1: INTRODUCTION**

**Tutor: Ngoc LE**

## Outline:



**1**

The explosion of Android apps, but....

**2**

Using AppLockerExceptions

**3**

The overview of Lab 1

# 1. The explosion of Android [1]



[1] <https://www.androidauthority.com/develop-apps-for-android-rather-than-ios-607219/>

# 1. The explosion of Android - let compare

Google

learn Windows security

All Videos Images Shopping

About 559,000,000 results (0.51 seconds)



Google

learn Linux security

All Videos Images News Shopping

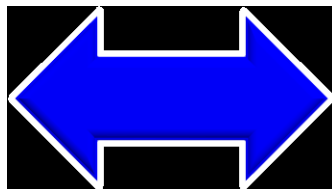
About 226,000,000 results (0.48 seconds)

Google

learn IOS security

All News Videos Images Shopping

About 390,000,000 results (0.50 seconds)



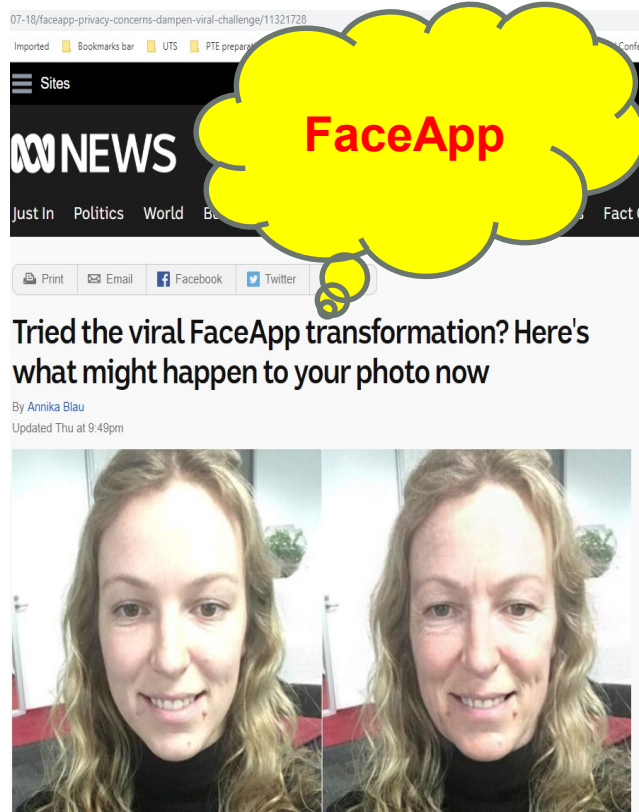
Google

learn Android security

All Videos News Images Shopping More

About 477,000,000 results (0.38 seconds)

# How much you earn from an Android app



Composite image of a diverse group of people GETTY

And we thought we learned a lesson from Cambridge Analytica.

More than 100 million people have downloaded the app from Google Play. And FaceApp is now the top-ranked app on the Google Play Store in 121 countries, according to App Annie.

(NEW: Apptopia now earning \$90,000/day)

While according to FaceApp's terms of service people still own their

# But... [3]



[3] <https://www.forbes.com/sites/johnkoetsier/2019/07/17/viral-app-faceapp-now-owns-access-to-more-than-150-million-peoples-faces-and-names/#4f33cfd562f1>



BUSINESS COMPANIES SOCIAL MEDIA

# Facebook to pay record \$7.1b fine over privacy violations

By David Shepardson

July 24, 2019 — 11.22pm

[f](#)
[t](#)
[e](#)
[A](#)
[A](#)
[A](#)

0

[Leave a comment](#)

## TODAY'S TOP STORIES

### SHARES

**Big banks underline how peculiar this record-breaking market has become**

21 minutes ago



### NRL OFF-FIELD BEHAVIOUR

**Jarryd Hayne pleads not guilty to aggravated sexual assault charges**

43 minutes ago



### DEVELOPMENT

**'Vastly excessive': Council, developers dealt blow over multimillion-dollar plan**



### PENSION

**Morrison government to prioritise pensioners over**



Facebook will pay a record-breaking \$US5 billion (\$7.1b) fine to resolve a government probe into its privacy practices and the social media giant will restructure its approach to privacy, the US Federal Trade Commission says.

The FTC voted 3-2 along party lines to adopt the settlement, which requires court approval, even as Democrats said the settlement did not go far enough or require a large enough fine.



Facebook CEO Mark Zuckerberg. AP

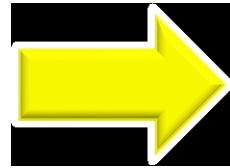
# What...? [4]

[4] <https://www.smh.com.au>



## Cyber security trend:

- From close to open
- Less tech more philosophy and psychology



## What you study:

- More Linux than others
- More Android than others

## How you study - resources online:

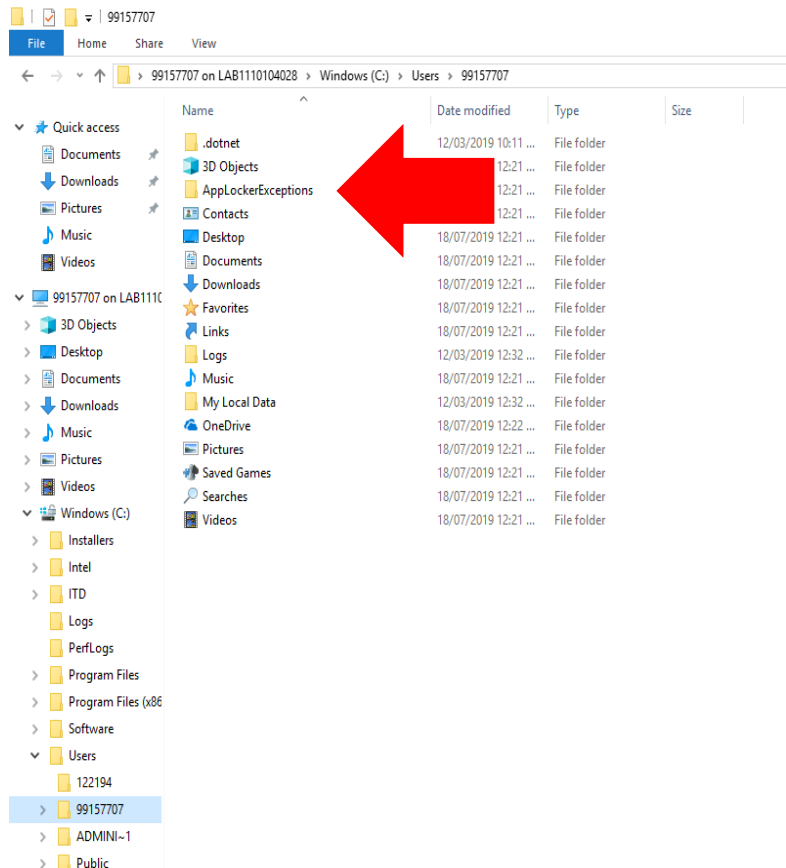
[5] <https://developer.android.com/training/basics/firstapp/creating-project.html>

[6] [https://github.com/codepath/android\\_guides](https://github.com/codepath/android_guides)

[7] <https://stackoverflow.com/questions/38276584/how-to-learn-android-development-efficiently>



## 2. Using AppLockerExceptions



The use of AppLockerExceptions:

- The content is in **READ ME** file in the folder AppLockerExceptions
- This is **where** you can **run programs** in order to work around AppLocker rules temporarily in an emergency.
- **Virus or malicious code** may **spread** via this folder. So if you **want to run any executable** files you have to **ask responsible people** for assistance.

# 3. Over view of Lab 1

- ✓ **Task 1:** Set up the **Android Studio environment** in lab
- ✓ **Task 2:** **Android fundamentals**
- ✓ **Task 3:** **Your First Android App**
- ✓ **Task 4:** **Run and debug the app**
- ✓ **Task 5:** **Run your app on your real device**
- ✓ **Task 6:** **Exercises for practice**

**THANK YOU!**

---

**Question & Answer**