CYBER SECURITY FOR MOBILE PLATFORMS
LAB 1: INTRODUCTION

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Outline:

1 The explosion of Android apps, but….

2 Using AppLockerExceptions

3 The overview of Lab 1

1. The explosion of Android [1]

Why?

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

1. The explosion of Android - let compare

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About 559,000,000 results (0.51 seconds)

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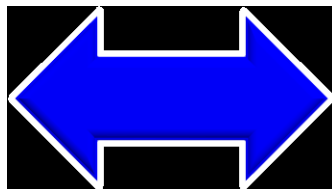
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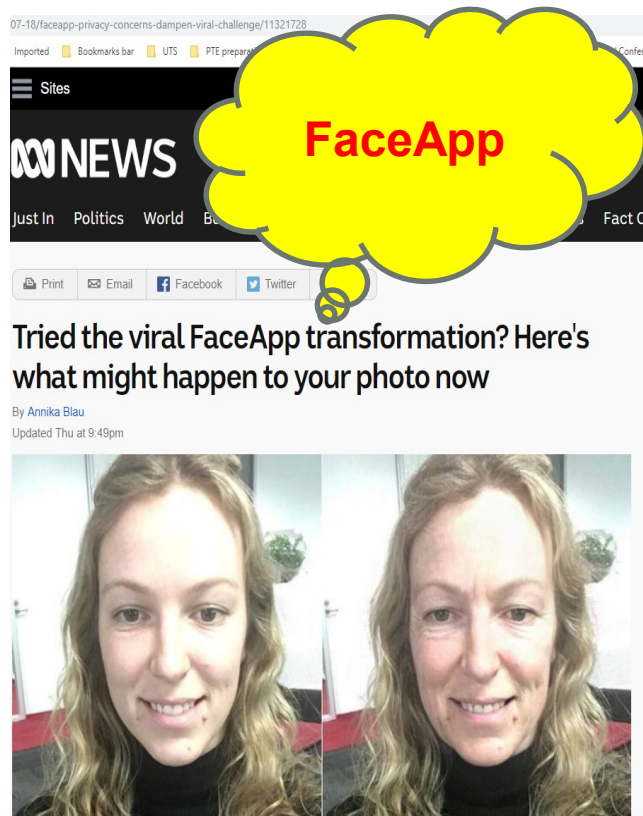
Google   learn Android security

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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 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

[2] https://www.abc.net.au/news/2019-07-18/faceapp-privacy-concerns-dampen-viral-challenge/11321728

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

What…? [4]

The Sydney Morning Herald

BUSINESS COMPANIES SOCIAL MEDIA

Facebook to pay record $7.1b fine over privacy violations

By **David Shepardson**

July 24, 2019 — 11.22pm

0 Leave a comment

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.

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Facebook CEO Mark Zuckerberg. AP
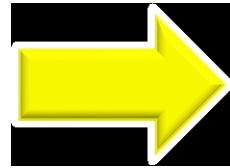
?

Cyber security trend:
- From close to open
- Less tech more philosophy and psychology

What you study:
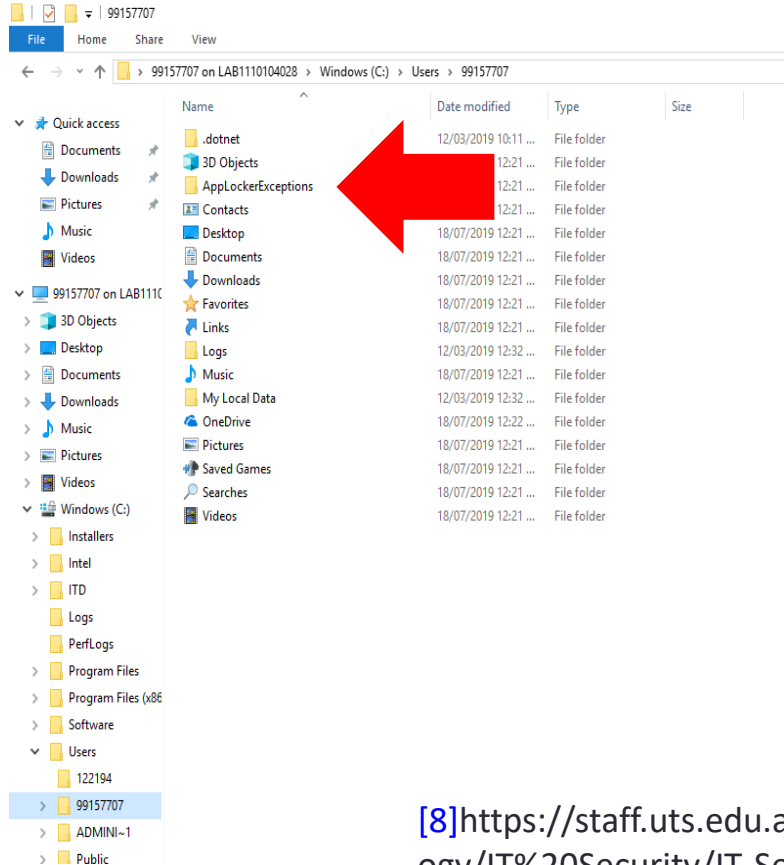- More Linux than others
- More Android than others

How you study - resources online:

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

[6] https://github.com/codepath/android_guides

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

2. Using AppLockerExceptions [8]

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.

[8]https://staff.uts.edu.au/topichub/Pages/Doing%20my%20job/Using%20technol ogy/IT%20Security/IT-Security.aspx

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