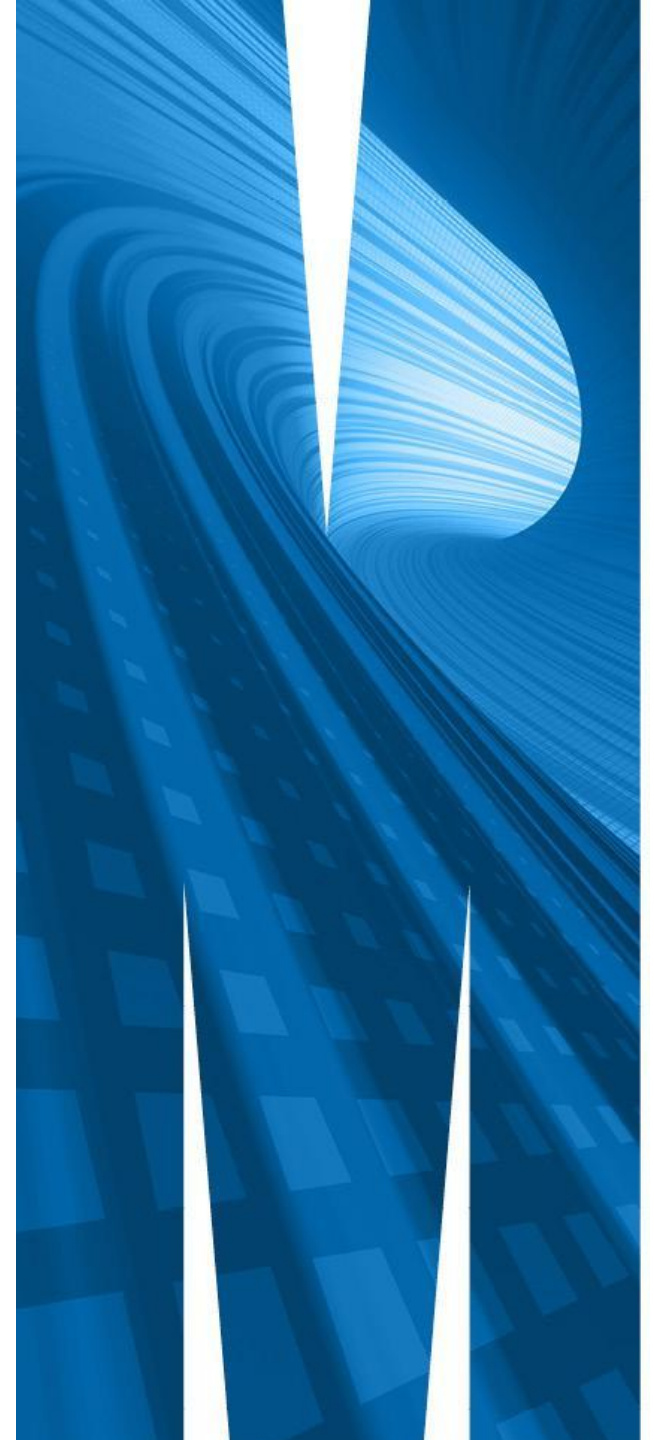# FIT2081 Mobile Application Development

WEEK 12

Dr. Lim Chern Hong

Semester 1, 2023

Monash University Malaysia

Announcement for Week 12

- Please complete your pre-reading quiz and submit by Monday 4pm. You can find the pre-reading quiz link at moodle "assessment" section.

- You will have to complete and submit the workshop quiz which will make available after the forum by Wednesday 11.55pm.

- Please complete your lab tasks before joining your lab session. Your lab solution must be submitted to moodle by Friday 11.55pm.
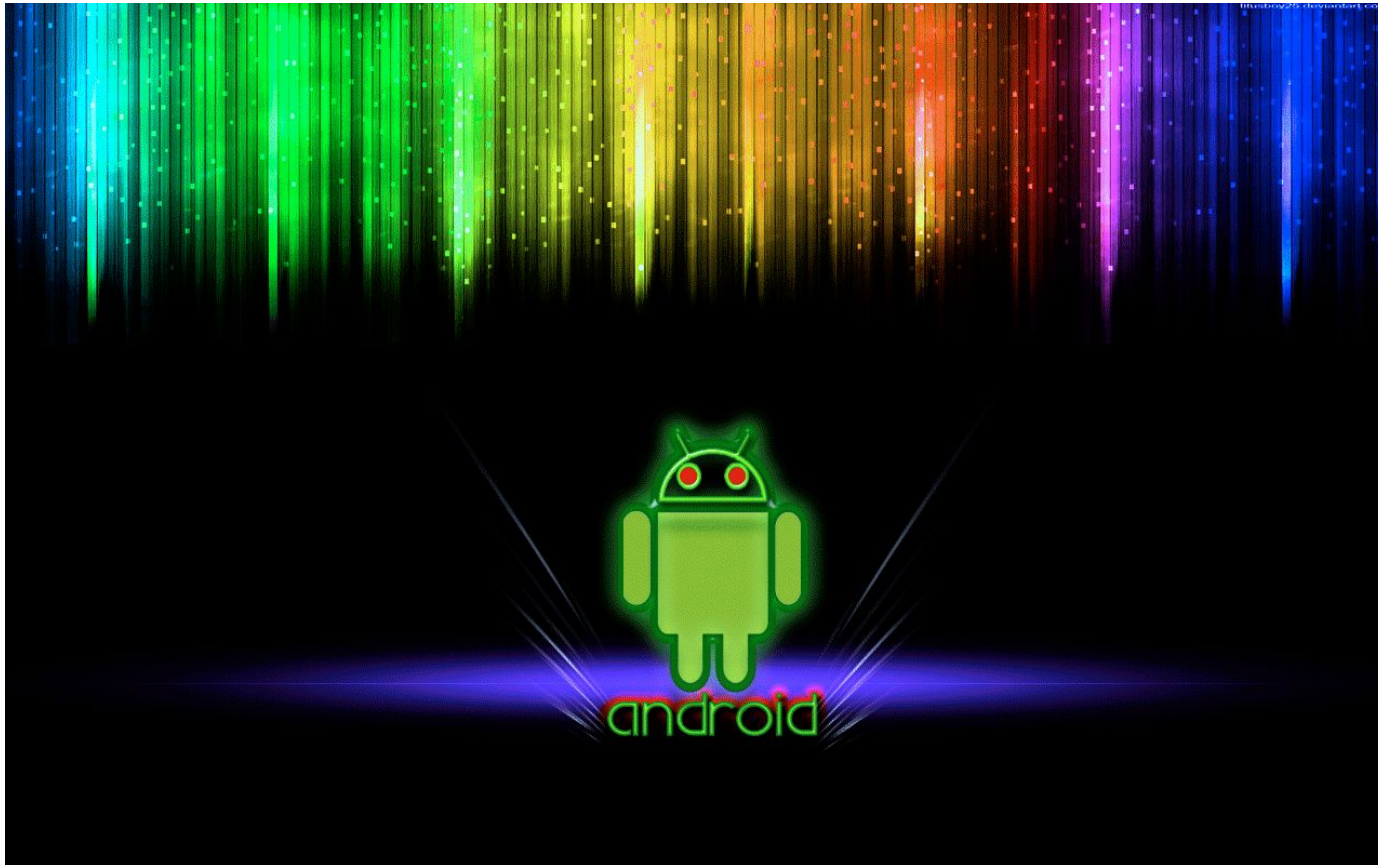
Learning Outcomes for Week 12

Learning Objectives:

- Building APKs

- Signing APKs

- Submitting APKs to Google Play App Store

- Recap

Activities and Checklist for week 12

Activity	Notes	Checked?
Study the slide "FIT2081_Week12_Malaysia" & All the reading material in the moodle	Useful to complete your lab tasks.	
Complete the pre-reading quiz	Access it from the "assessment section" in moodle. Submit by Monday 4pm.	
Attend Forum	Online, for topics wrap-up.	
Complete Workshop quiz	Workshop quiz questions will be uploaded after the Forum on Monday. Submit by Wednesday 11.55pm.	
Complete lab task	Please refer to the complete section in week 12 moodle	
Attend tutorial	OPTIONAL – if you have issue regarding the lab tasks	
Attend Lab	COMPULSORY – You have to complete the lab tasks before coming to the lab. Submit your lab tasks (including the extra task) on Friday 11.55pm	

In week 12, there is no new technical content but some important information about building and releasing the android APK, as well as submitting application to google play (please join the forum for topics wrap up).

Gif retrieved from https://gfycat.com/ko/oilylimpgroundbeetle

No… don't forget you still have one last lab to do, all the best! 🫡

Lab Instructions

Task 1

In this lab, your task is to come up with a new feature (only one) for your Book Library application and implement it.

Examples of features to be added - but not limited to:

- Display the list of Books filtered by the Author and/or Title and/or price.
- Add signup and login screens allowing users to signup/log in by email and password. You can use ANY persistent storage for this task.
- Accept new changes from Google Firebase. If another application adds/deletes an item, all the connected devices should get it and apply the changes.

Task 2

Develop a text document named feature.txt that describes your feature and how it works.

FAQ on the lab task:

Question1: To what extend the new feature should be?
Answer1: Please refer to the examples of features in the lab task for its complexity. As long as it involved at least 2 new view components (e.g., 1 text view + 1 button, 2 buttons, etc..) and some logics to be included using any android SDK (e.g. broadcast receiver, new activity, new fragments, RoomDatabase, Recycler view, touchEvent, etc.). Please make sure the feature is not redundant to the previous lab and extra tasks.

Question2: Do we have extra task on week 12's lab?
Answer2: No extra task will be given on week 12's lab. You will just need to demo and explain your extra feature during the interview.

Question3: Since we only select 10 best lab out of 11 lab submissions, does it means I can skip week 12's lab if I am satisfy with my previous lab marks?
Answer3: It is encouraged not to skip the lab. This is the time to test your skill and understanding on what you have learnt throughout the semester, you may explore further and implement extra features that is not covered in the semester. For those who needs to cover up the marks you lose in the previous weeks, this is the best opportunity to do that.

Thank you very much for your cooperation in making this unit well organized and smooth throughout the semester, I have enjoyed very much the teaching and learning journey with you all! I hope that you have enjoyed the unit too.

Well done everyone! I wish you all the best in your final exam and your future endeavours. Please also provide SETU feedback to help us improve in the next offering.

And do not forget to stay safe and take care of yourself at all time.