2023 – Lab Exam 03

Select one scenario from the below list according to the last digit of your student id number and develop a comprehensive mobile application including the following Android components. You may decide the features that you include.

1. Activity
2. Fragments
3. RecyclerView
4. Room database

Last digit of the Student ID	Scenario
0	A shopping cart application
2	A patient management system for a hospital
4	Student information management system for a private university
6	A news app: users should be able to post and view news
8	Disaster Management application

Note the following.

- You must select the project according to the last digit of your student id number otherwise you will get 0 marks.
  - Ex: if your student id is IT2020202**6**,
  - You should select "A news app: users should be able to post and view news."
- Focus more on implementing the mentioned Android components according to the scenario.
- You must use SLIIT study materials when implementing. If you have used other implementations by referring to the internet found tutorials, you will not receive marks for the relevant section.
- Students who have submitted the answers before the deadline will be able to face the viva.
- If you can't complete the project before the deadline do not email the answers to the lectures. There will be a late submission link.

Marking Rubric

Marking Criteria	Weight	Zero implementation.	Major parts are missing.	Minor parts are missing.	Well done
Creativity	2	-	-	-	-
Activity	2	0	0.5	1	2
Fragment	2	0	0.5	1	2
RecyclerView	1	0	0	0	1
Room Database	3	0	1	2	3
Q&A	10				
Total	**20**	-	-	-	-

- Creativity – this mark will be awarded based on how you implement the app. If it is just implementing the app components, you will not receive any marks.
- Usage of Activity can be varied depending on how you implement the app. You can use only one activity and implement all functionalities as fragments if you want.
- Fragment – There should be at least two fragments used for the application.
- RecyclerView – there should be at least one RecyclerView implementation.
- Q&A – the mark will be decided upon how you answer the questions during the Viva. Therefore, be ready to explain what you have implemented in your project.
- Assignment weight is 10 marks (20/2)

Duration: **1 week (deadline is 16ᵗʰ October for Weekday and Kandy Students | 20ᵗʰ for the Weekend students).**

Please note that if you don't start sooner, you will not be able to complete this within the week.