



**UNIVERSITY OF ENERGY AND NATURAL RESOURCES, SUNYANI,
GHANA**

SCHOOL OF SCIENCES

**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATICS
LEVEL 400 MID (FIRST) SEMESTER EXAMINATIONS 2022/2023**

Bachelor of Science (IT A & B)

INFT 403 Mobile Application Development

March 2023

Submission deadline: Thursday 23rd March, 2023 @ 6pm

Instructions

1. **Instructions:** Answer all questions. *Be brief as much as possible.*
 2. Submit both your **codes** and the android **apk** file to:
datasciencecrashcourse@gmail.com before the deadline above.
 3. Add your ID inside the App in a label
 4. Add your Option (either IT A or IT B) in the app in a label.
 5. Add your Name to the app using a label.
 6. **Do independent work and don not copy from another student/person. Copy work will be penalized.**
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Question:

10 marks

1. Use SQLite to write a Kotlin/Android database program in Android Studio to:
 - a. insert new **images** to the database,
 - b. retrieve an **image** from the database,
 - c. update the **image** database and
 - d. delete **images** from the database.