

ASSIGNMENT 3 (INDIVIDUAL)

INSTRUCTIONS

Answer the following questions in a few sentences. It would be best to express yourself in your own words, based on the knowledge you gained from the Reading Assignment and Video Lecture. Note the following:

- You must also construct good, correct sentences that are free of grammatical errors.
- Where necessary, use appropriate tools and standard symbols to design diagrams.
- Only answers should be typed and uploaded to the Sakai course site as instructed.
- Accepted submission document format is Microsoft Word document (.docx)
- Deadline applies

NB: All submissions will be subjected to **PLAGIARISM CHECKING**. Students are therefore advised to desist from any such act as that will attract severe consequences.

1. Draw diagrams showing a conceptual view and a process view of the architectures of the following;
 - (a) A Zoom or Microsoft Teams conference system that allows multiple participants to see video, audio, and computer data at the same time:
 - (b) The MIS Web platform at the University of Ghana allows students to register for required semester courses and complete their registration. After completing their registration, the student can immediately print Proof of Registration.
 - (c) On the University of Ghana campus, there are ATM machines that disburse cash to staff and students. After completing transactions, students and staff can check their account balances and retrieve transaction statements/receipts.
2. An information system will be developed to keep track of a utility company's assets, such as buildings, vehicles, and equipment. As new asset information becomes available, staff working in the field will be able to update it using mobile devices. This system should integrate several existing asset databases that the company has. Based on the generic information system architecture shown in Figure 6.18 of the recommended key text, page 187, create a layered architecture for this asset management system.
3. Draw an activity diagram that models the data processing involved when a customer withdraws cash from a bank ATM on the University of Ghana Campus based on your experience with one. *(Think about and develop activities that represent all of the services you have used, including failed authentication.)*