25th June 2020.

Lecturer: Edmond Menya.

BBIT-Evening Class year 2 semester 3.

Advanced Object-Oriented CAt 1

110401-Mutwiri Victoria

CAT 1:

*1. Identify a simple mini-project idea and write down its title e.g. “Bank Deposit and Withdrawal Application” (1 mark)*

My mini project is a library membership system.

*2. Assuming the above project requires user registration, design an GUI using JavaFX containing all the relevant fields and buttons that are necessary for user registration e.g. Names, Age (With Date Dropdowns), Phone Number, Account Number etcetera (The more creative you are in designing look and feel such as colors, nice buttons, having a demo logo, presentable background etcetera, the more marks) (9 Marks)*

My Git hub account link: <https://github.com/kanana00-00/ADV-OOP-CAT1>

3*. In the registration GUI among the other buttons, create a button labeled “Complete Registration” and code its JavaFX Action Listener such that if the Button is clicked the Background color changes to Blue and a message “Thank you for registering for [Your Project Name Comes Here] Application” is displayed (6 Marks)*

My Git hub account link: <https://github.com/kanana00-00/ADV-OOP-CAT1>

*4.* Discuss any FOUR points on why we are focusing on building Distributed Applications in Advanced OOP, why is this Important and what are the advantages? (4 Marks)

First is for functional separation where different computers possess different capabilities and purposes that is clients and servers.

Also Power imbalance that distributes the computational load to different computers to avoid lagging.

Another reason is reliability whereby the data preservation and maintance is very high and dependable, the backup of data as well.

Lastly, Sharing of resources such as a printer helps reduce on unnecessary costs thus improving the economy.