**Text, logo, company name

Description automatically generated**

Student Name: Aung Pyae Soe

Student ID: 10237860

Module: ITSD004

Term: 2

Year: 2022

Date of Submission: 9 August 2022

**Report**

Before starting this assignment, I wanted to try out using a GUI because I have never tried it before. Therefore I look up on how I could achieve this and ended up learning a little bit about java.swing and using NetBeans to create GUI. But I realized its going to take up a lot of time and effort, so I gave up on it. But I will continue to work on it during the semester break to put it in my side project list. I think that is the only thing I did not managed to achieve.

On the other hand, I learned many new things and concepts regarding java programming. As you might see in the program code, I used 3 Enum in total, which made my program feel more automated. Example I can just ask the user to choose between modules and the backend code will implement the name, code, and other respective fields of the module by itself. I felt really confident using Enum in my codes.

The next concept, I am really glad I understood well was composition. At first, I was having trouble with this particular concept but as I begin coding and looking up stack overflow, I began to understand little by little and made the assignment much simpler.

Another concept I pick up while doing this assignment was error handing using “try catch” method. While in python I am only used to handling errors using normal methods such as checking using “if conditions”, etc. As doing some research on this concept, I realized that using exception handling is more practical in real life situations.