

UNIVERSITY TEKNOLOGI MARA

KEDAH BRANCH

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATICS

(CDIM144)

PROGRAMMING FOR LIBRARIES

(IML208)

INDIVIDUAL 1:

"LIRBARY NOTICE PAYMENT"

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1.0 INTRODUCTION

In this assignment, I was assigned to do simple basic python in any field of work. So, I had chosen library field as my scope of work as my guidance in completing my individual assignment.

In short, there is many activities happened in library. For example, acquisition and book loan. But what if student suddenly return the book exceed the day limit? What if there is no such a system to record the data of the book that got returned late? It is believing the library and librarians will have a hard time in handling the management. That's why I'm creating a basic python program called "Notice Payment". It is a coding that can record user data and total charge they will be needed to pay to the librarian in charge.

For the coding, I used python help. As for the database, I use XAMPP Control and phpMyAdmin to help me sync the python and the database.

2.0 FLOWCHART

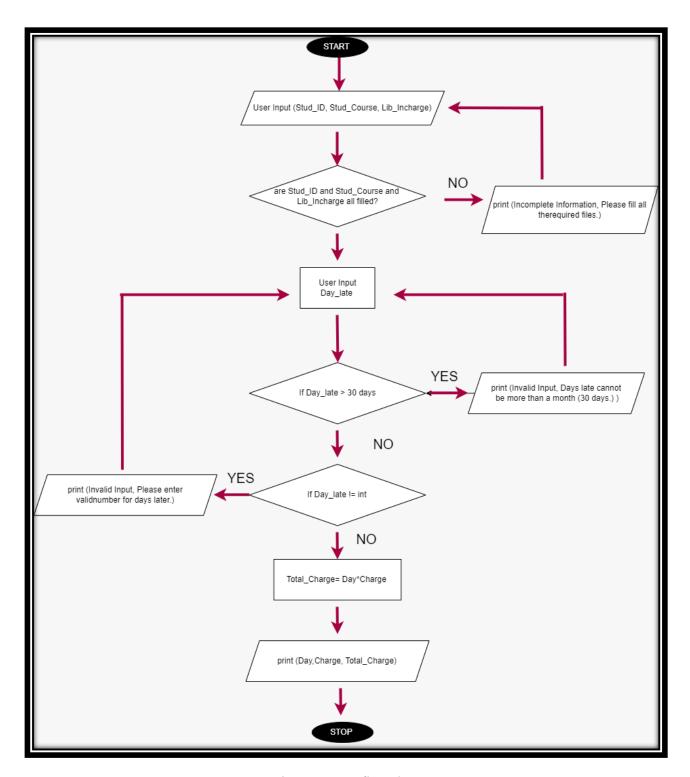


Figure 1: My flowchart

3.0 SNAPSHOT OF THE CODING

Figure 2: python code

Figure 3: python code

Figure 4: python code

4.0 SNAPSHOT OF THE GUI

Notice Payment	×
Notice payment Student's ID Course In Charge librarian	
Calculate your Total Charge	
Day late:	
Calculate	
Total Charge	
This notice is for reminder purpose on Book that has been returned 1 day late be charged RM0.50	

Figure 5: GUI of my coding

5.0 SNAPSHOT OF THE DATABASE

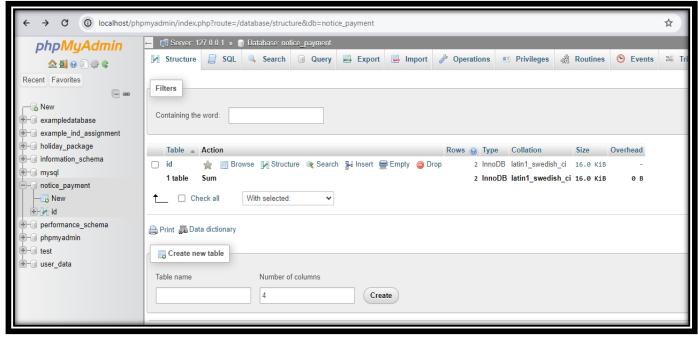


Figure 6: database snapshot

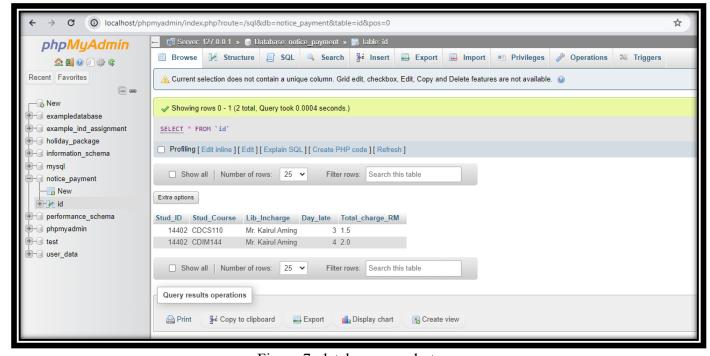


Figure 7: database snapshot

6.0 CONCLUSION

To summarize everything from this assignment, I learned how to build a simple basic coding for my system called "Notice Payment" as well as what is Python and SQL (database). Not only that, but during the assignment, my knowledge about Python seemed to emerge, which made me know how to detect an error while using Python and even why I can't connect to the database (it's either your Apache or MySQL stop function while you're on).

While doing this assignment too, I encountered several difficulties when working on this project especially in the coding part. It takes me longer to finish the code than it does to finish the database. But I wouldn't say it was simple for the database either. There is some time where my database couldn't work. However, after some consultation with my lecturer, Sir Airul Shazwan Bin Norshahimi and my classmates, the problem has been solved without no time. I would want to thank my lecturer and my friends for their assistance.