DISD

XX/10/2021

I, Raphael Son Hing hereby declare that I did not plagiarize any content in this assignment and that this my own work.  
Signed:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Programming 2b Task 2

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# Introduction

Greetings, rather than starting with a completely original project this time involves updating the former assignment with logging capabilities.

Since this includes abilities from the former projects details from that version will still be included and marked as such. New content information with be marked with a “Task 2” in the title

Here are the github and youtube links.

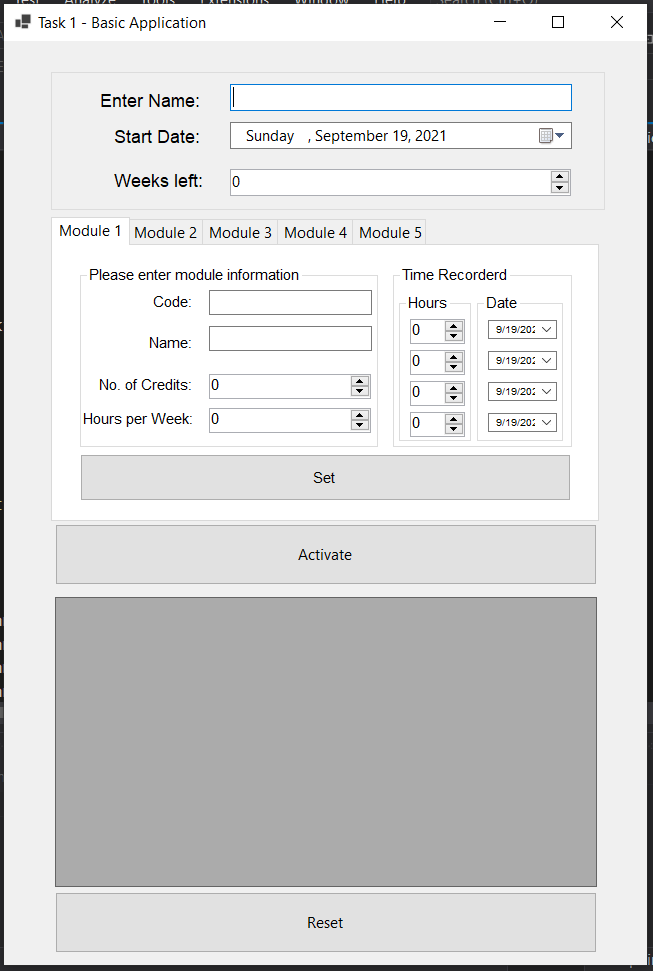
<https://youtu.be/35mYIvoc-Io>

https://github.com/RaphaelSH/PROGRAMMING2BPOE-Task2-15004658-Raphael\_Son\_Hing

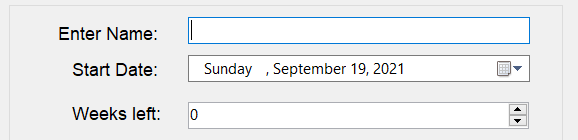
# Overview (Task 1)

Especially noting that the instructions specifically mentioned that the data does not need to be saved outside the activation of the program, I interpreted this as that the need to include various databases or saving information unnecessary.

He basis design is shown.

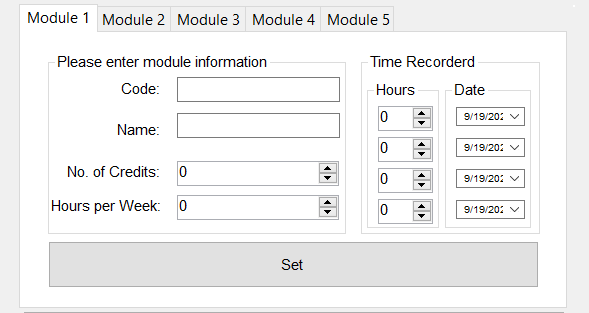


Notably, at various points the instructions deem that I place several areas to handle date and time input, however they don’t seem to have a functional purpose beyond that, and they user can enter the data but it does not have any effect on the program their initial recording.



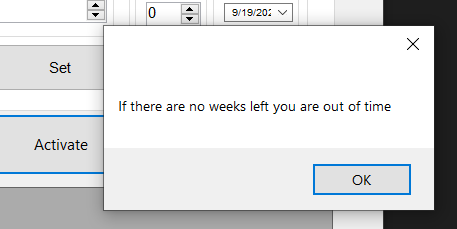
Enter the user’s name, followed by the start date and weeks left.

The theme of reason of why these entries are grouped together is they are universal constants throughout the modules and are not necessary to be changed when inputting new entries.



For convince sake, I have opted to include tabs to enter more entries, one reason is the simplicity to make it easier to use, another reason is as we are recording modules, the amount of entries typically so high an amount that can’t be handled by such a format. Modules do not stray in number by much than 4 or so.

The vital part of this, is that the correct data can only inputted to achieve the required result, so the various input boxes have been set to only allow the correct values to be accepted. If an improper value is put in, a pop-up message shall come in to play and inform the user as so.



One can switch tabs to input different entries, where identical interfaces are ready to be used.

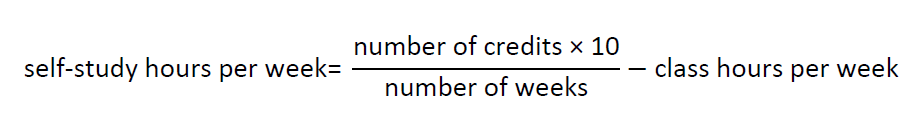
One must always remember to press the set buttons afterwards. This button records the data into the programs and without pressing it, the data will not be saved and will be ignored in the final result.

Another feature is when a module is set, the tab name displayed will be changed to reflect that, ensuring an easier time organizing and will be helpful identifying the tab if one wants to go back.



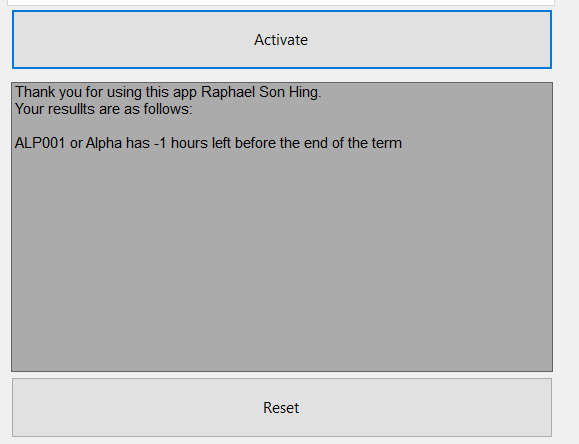
The “Activate” button compiles all the data inputted so far and displays it in the box below. Information for tabs that are left blank are left out to prevent clutter and confusion.

Utilizing the following required formula provided as stipulated.



Information is derived and put into effect.

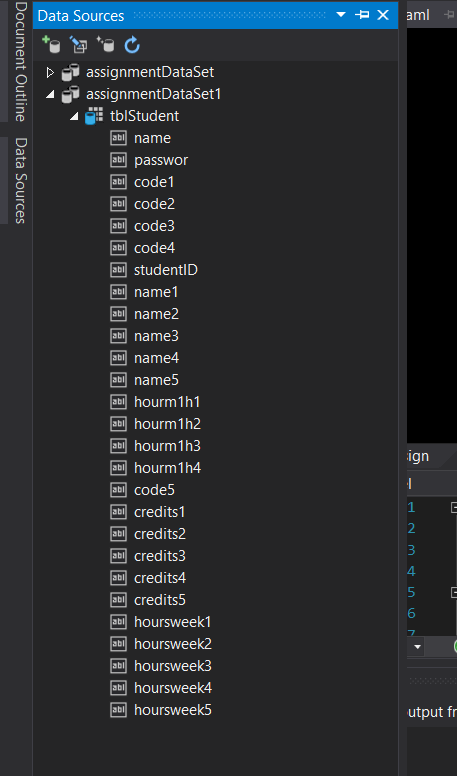
An example of the display is as follows.

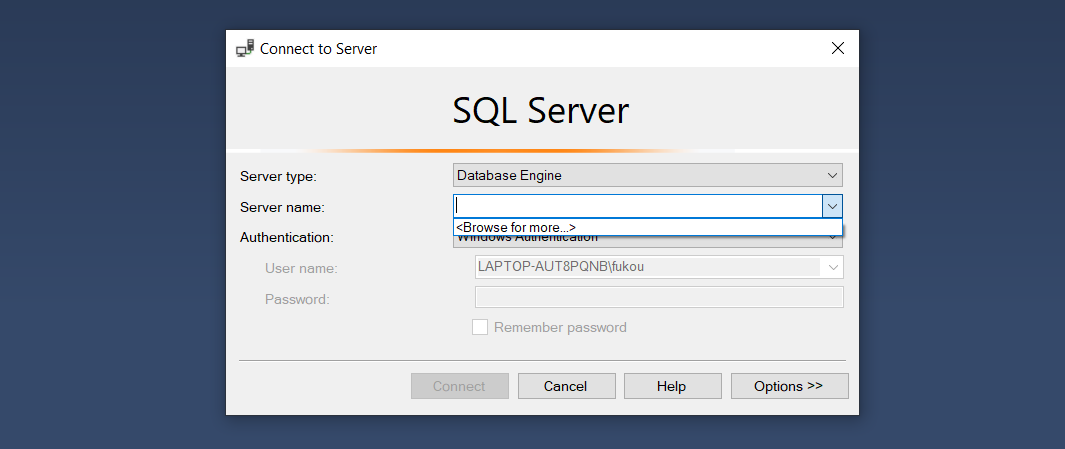


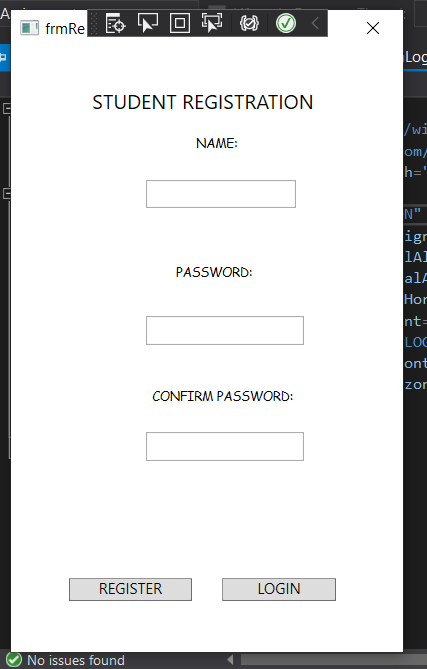
The reset button coverts all the information included in the tabs into a clean state so that the user can restart from the beginning.

Although one can just go back and update the information for the same result, alternately this option an instead reverts them.

# Overview (Task 2)

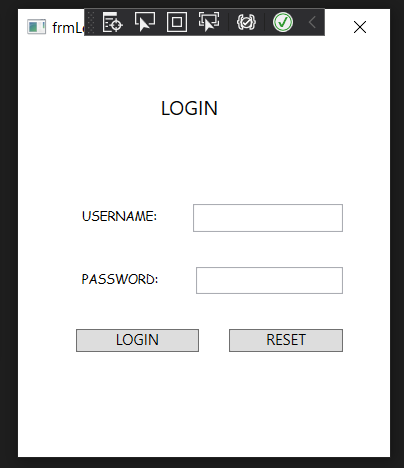
In order to expand the applications abilities a database has been added.

Unfortunately “Microsoft SQL Management Studio” is incompatible for me, for me, as if would not function under my use, (please have leniency here as I do not take the course that deals with handling with it.) However the instructions do not specifically mention I have to use this program to create a database, so technically Microsoft Access would apply to the conditions just as well.

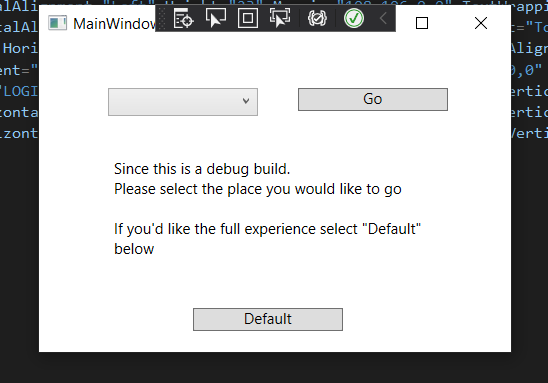
A register page has been added.The standard set with a username, and password and confirmation.

After confirming the passwords match the application makes use of md5 to ncode the contents and places it into the database.



The standard Login page, when acceptable entries have been applied and approved, it sends the user to the main page.

The main page have been review in the previous tasks, see above section to review it if you need clarification.

A control page I used when creating and adjusting the page, useful when I was modifying the codes.

Select default to see the application run as intended or select a specof form to see the one specified.

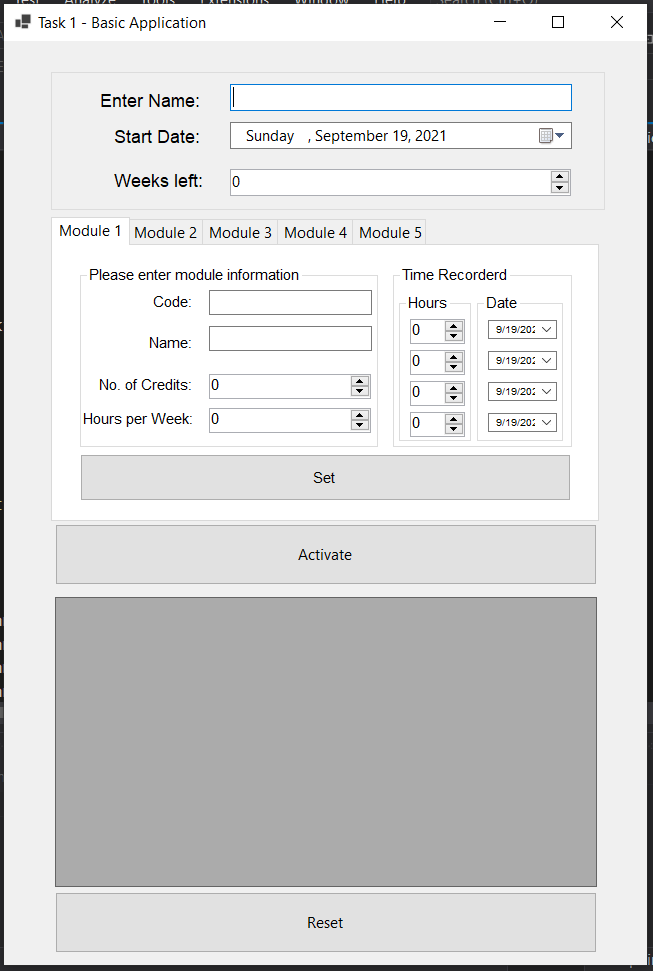
# Conclusion

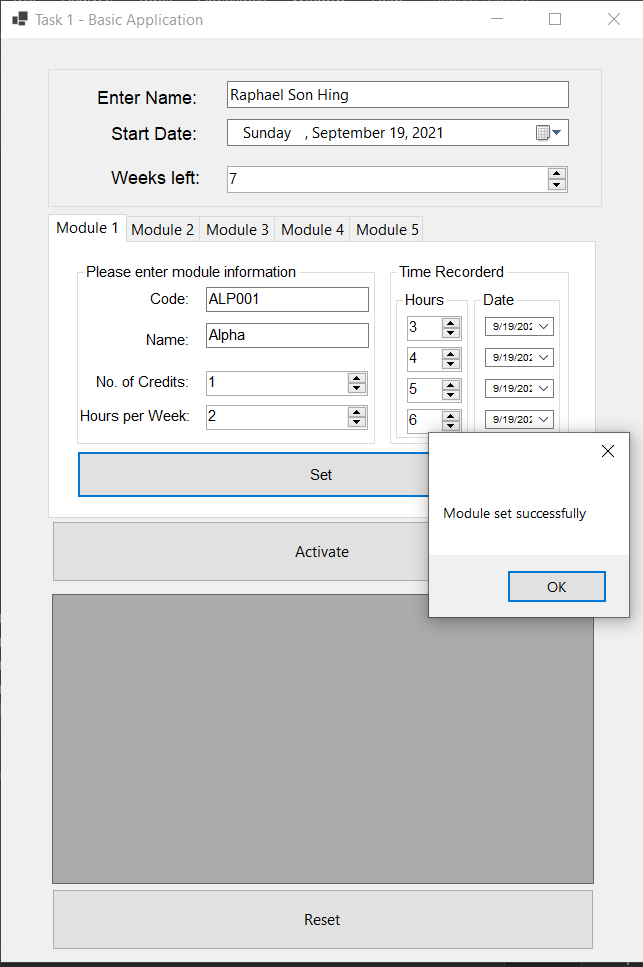
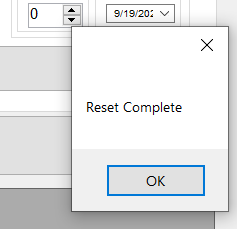
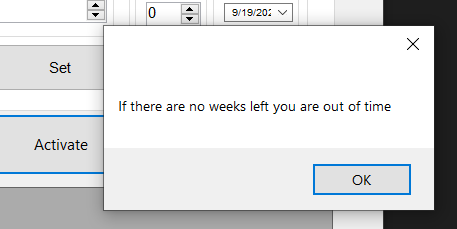
Through the accumulation of my efforts making this program, the most invaluable experience is how to prevent the user for intentionally enter correct values, such as forgetting to input how many weeks left results in a “divide by zero” scenario. And various countermeasures have to be implemented, from only allowing number to be set in various places, to implementing pop-ups to inform the user.

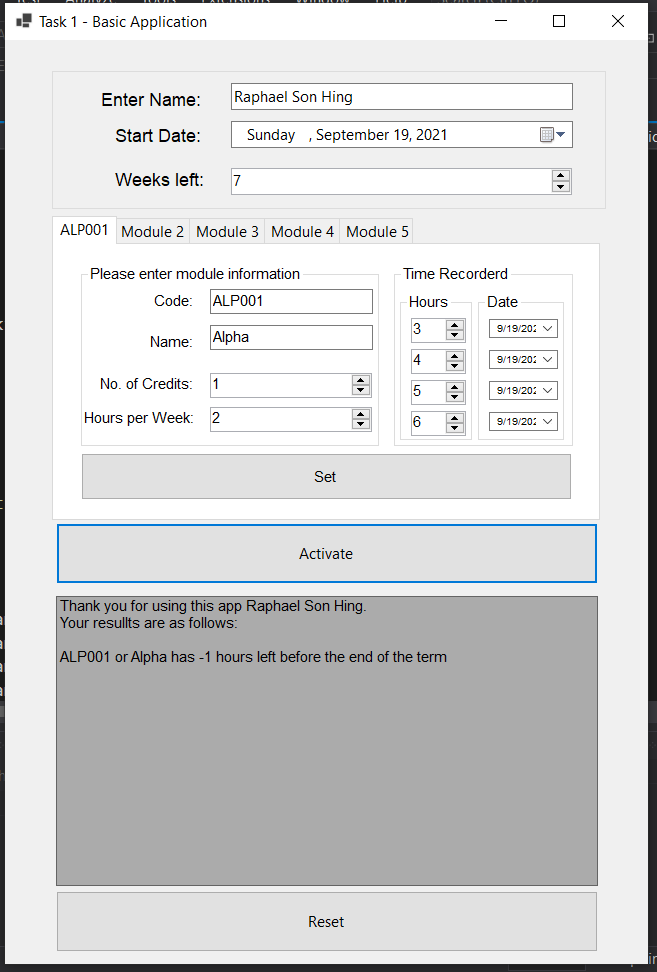
Following the concept of a basic program I have chosen the methods I think are most applicable to the scenario. As the Bahaus art movement claimed “form follows function” I made efforts supporting that ideal. From easy to use by sight, anyone can quickly adapt to the program.

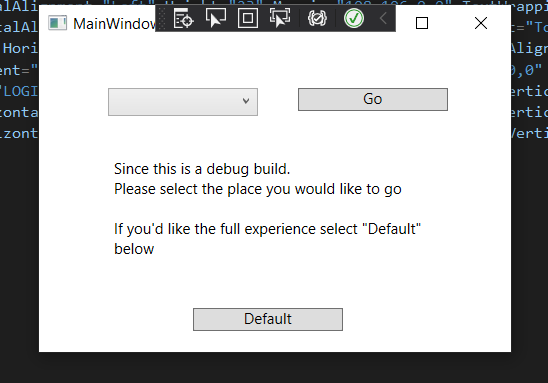
Design appeal is left to standard without any extreme changes in appearance, such as radical colour changes and adding images, attaching on the the idea is “simple is best” when making this program into reality.

# Various Screenshots









# References

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