For my final project, I would like to make an application that determines how to process a student’s loan based on subsidized usage limit applies (SULA). There will be a pop-up window when running the program with entry fields for the student’s ID, number of years the borrower has used in subsidized loan, and the student’s program. It will compare the amount received to the amount eligible for. If the amount received is higher than amount eligible, text will appear saying the student cannot receive subsidized loan. The program will then put the student’s ID in a list.

If it is determined that the student’s eligibility is more than what they have used, then the program will determine how to process the loan based on how much is remaining, the student’s expected family contribution, their enrollment, the cost of attendance, and how much they have already received in regards to the academic year and over a lifetime.

The ending and beginning dates of each semester will now be able to be updated if need be. There will be dates for the beginning and ending dates of an academic year as this may change depending on if the student is receiving subsidized loan in summer or not. It will also have an input field for the student’s enrollment. The system will take this information and determine how the student’s loan should be processed (in one semester or over two semesters). There will need to be if statements to determine how to process the loan.

If it is determined that they cannot receive a subsidized loan for the current semester based on their enrollment, a message will appear, and the student will be added to another list. This list is kept so that they can be checked in future semesters to see if their enrollment has changed making them possibly eligible for subsidized loan.

If it is determined that the student can have a loan processed, it will display how the loan can be processed such as “Subsidized loan can be processed in Fall only for at least $1 less than the full amount”. Next the text boxes for EFC, cost of attendance, lifetime limits, and yearly limits will appear. There will also be text boxes for other aid received based on if they are need based or not. This will then calculate the maximum amount the student can receive in the subsidized loan based on all of those other factors.

The grey boxes in the below design are not editable until it passes the requirements in the above section. There is three sections it has to pass through to determine if and how a subsidized loan can be processed.

Student ID:

Program:

Subsidized used:

Message will appear here if student is ineligible for subsidized loan.

Fall :

12/19/2020

12/19/2020

Beginning and End Dates:

Spring :

05/14/2021

01/11/2021

Summer :

07/XX/2021\\\\

06/0X/2021

Enrollment Level:

Fall

Spring

Summer

Message will appear here on how to process the loan if we are able to.

Subsidized

Unsubsidized

Yearly Loan Amount

Lifetime Loan Amount

Message will appear here on how much to process if we are able to.

EFC

Fall

Need Based Aid

Non-Need Based Aid

Spring

Summer