Nancy Medina
CS105
Spring-2020

I pledge that I have neither given nor received help from anyone other than the instructor and TA for all program components included here.
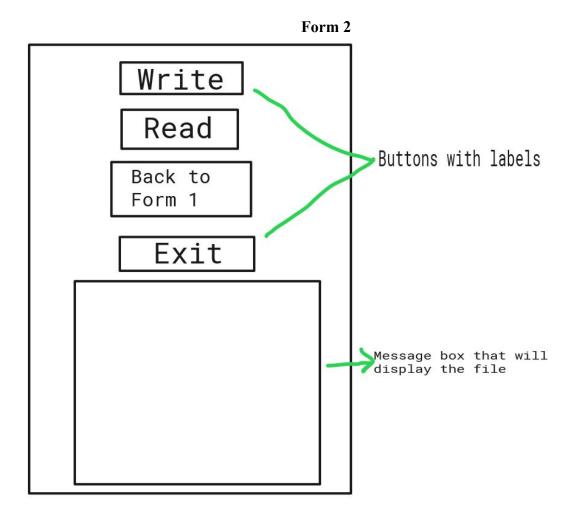
Description of the Problem:
Figure out how much money the user has left for the month after paying all their bills and putting money into savings.
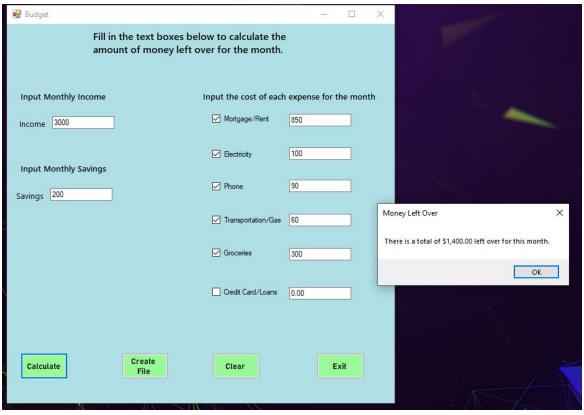
Pseudocode:
- Create radio buttons of all the bills the user has
- Create textboxes for the user to input how much each bill is.
- Create a calculate button to calculate how much money is left over for the month
- Create a message box with the results
- Create a second button named create file that will open a second form.
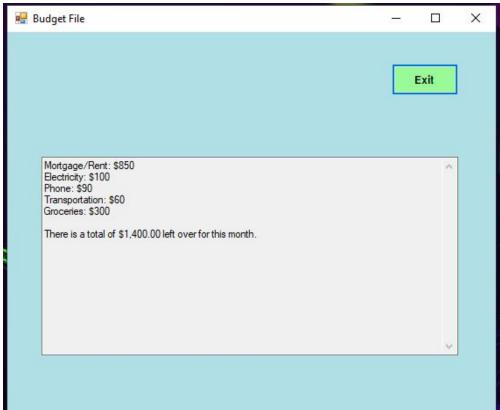- On the second form user will have a read and write file that will show the results

Sketch of the Form :

Form 1

Form 2

Write

Read

Back to
Form 1

Exit

Buttons with labels

Message box that will
display the file

Test Case 1

Budget

Fill in the text boxes below to calculate the amount of money left over for the month.

Input Monthly Income

Income `3000`

Input Monthly Savings

Savings `200`

Input the cost of each expense for the month

☑ Mortgage/Rent `850`

☑ Electricity `100`

☑ Phone `90`

☑ Transportation/Gas `60`

☑ Groceries `300`

☐ Credit Card/Loans `0.00`

Money Left Over

There is a total of $1,400.00 left over for this month.

`OK`

[Calculate] [Create File] [Clear] [Exit]

Budget File

[Exit]

```
Mortgage/Rent: $850
Electricity: $100
Phone: $90
Transportation: $60
Groceries: $300

There is a total of $1,400.00 left over for this month.
```

Test Case 2

Budget

Fill in the text boxes below to calculate the amount of money left over for the month.

Input Monthly Income

Income 0.00

Input Monthly Savings

Savings 0.00

Input the cost of each expense for the month

☑ Mortgage/Rent   0.00

☑ Electricity   0.00

☐ Phone   0.00

☐ Transportation/Gas   0.00

☐ Groceries   0.00

☐ Credit Card/Loans   0.00

Calculate   Create File   Clear   Exit

Money Left Over

There is a total of $0.00 left over for this month.

OK

Budget File

Exit

Mortgage/Rent: $0
Electricity: $0

There is a total of $0.00 left over for this month.

Test Case 3

Budget

Fill in the text boxes below to calculate the amount of money left over for the month.

Input Monthly Income

Income `2500`

Input Monthly Savings

Savings `200`

Input the cost of each expense for the month

☑ Mortgage/Rent   `850`

☑ Electricity   `90`

☑ Phone   `90`

☑ Transportation/Gas   `65`

☑ Groceries   `310`

☑ Credit Card/Loans   `200`

Calculate	Create File	Clear	Exit

Money Left Over

There is a total of $695.00 left over for this month.

OK

Budget File

Exit

```
Mortgage/Rent: $850
Electricity: $90
Phone: $90
Transportation: $65
Groceries: $310
Loans: $200

There is a total of $695.00 left over for this month.
```