Splittr – The Money Management System

Problem Statement:

Efficient Money Management System to create accounts and maintain monthly expenses along with sharing bills.

Description:

Splittr is a program designed to tackle the modern need of controlling expenses on a monthly basis.

Here you can create an account, add a monthly allowance, split bills made with friends to keep track of how your money is being spent and a way to look back at where you spent the excess and save it the next time.

It also handles errors in accounts if it does or doesn't exist.

C-Concepts Used:

The C programming concepts used in this program are:

- Standard input output functions
- Functions
- Conditional statements
- Iterative statements
- Pointers
- File handling
- Sleep function

Learning Outcome:

We have incorporated simple functions in our program to make it as efficient as possible. Each of us individually have improved our base on these topics. Our self-learning component was GUI which could not be completed due to a few technical errors.
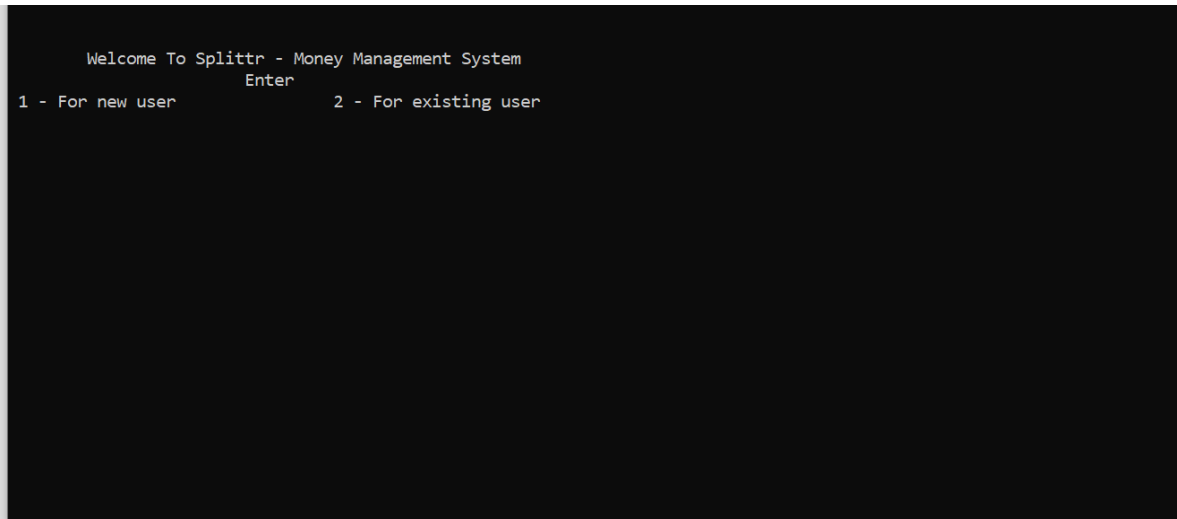
Output Screenshots:

Fig 1: Login page


```
      Welcome To Splittr - Money Management System
                    Enter
1 - For new user              2 - For existing user
```

Fig 2: Lobby


```
            WELCOME
             Enter
1 - Split Bill        2- Monthly Expenditure        3 - Quit
```
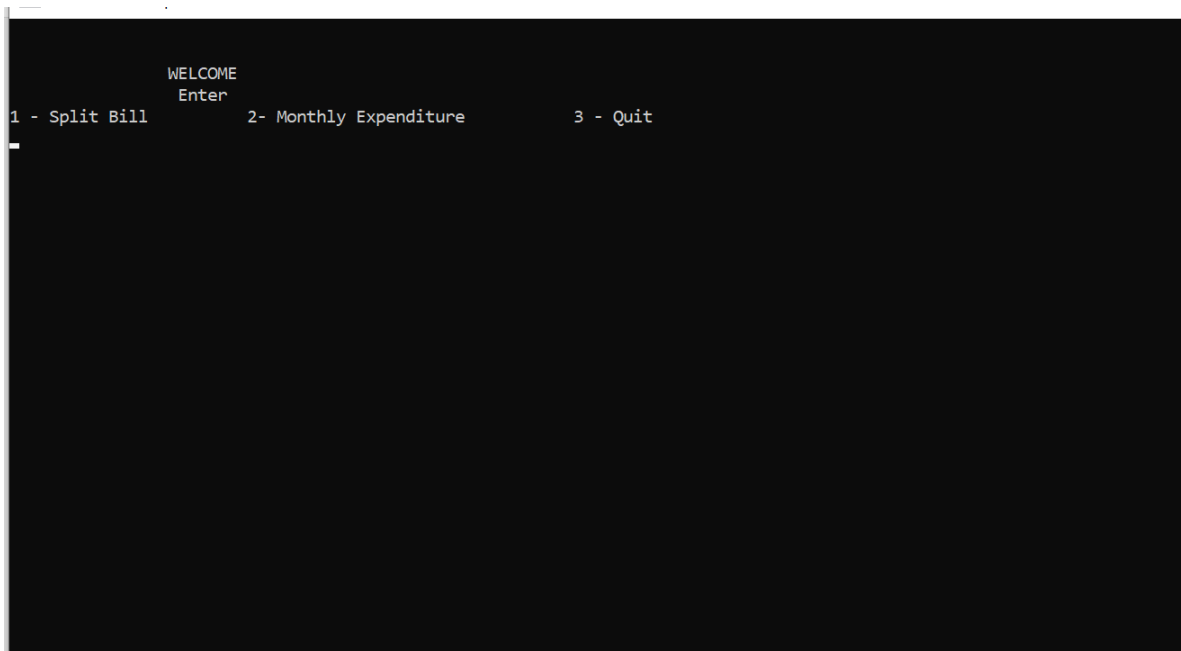
Fig 3: Split Bill amongst friends

```
              WELCOME
                Enter
1 - Split Bill          2- Monthly Expenditure          3 - Quit
1


Enter the total bill amount and number of people

4000
4

Everybody owes 1000.00

Redirecting to the main menu in
5
4
3
2
1
```

Fig 4: Monthly Expenditure

```
              WELCOME
                Enter
1 - Split Bill          2- Monthly Expenditure          3 - Quit
2

        Enter the total monthly expenditure in rupees
5000
Redirecting to main menu
```

Fig 5: Update the Expenditure

```
              WELCOME
                Enter
1 - Split Bill          2- Monthly Expenditure          3 - Quit
2


Monthly Expenditure : 5000.00 rupees

Allowance left : 5000.00

Press 1 - To add more expenditure          2 - To return back to menu
1
Enter the name of the expense(max 40 chars)
clothes
Enter the expense in rupees
300




Monthly Expenditure : 5000.00 rupees


clothes : 300.00 rupees

Allowance left : 4700.00

Press 1 - To add more expenditure          2 - To return back to menu
```

Fig 6: Exit Screen

```
Command Prompt                                              —  □  ×
Thank You for using Splittr.
C:\Users\Disha\Desktop>
```