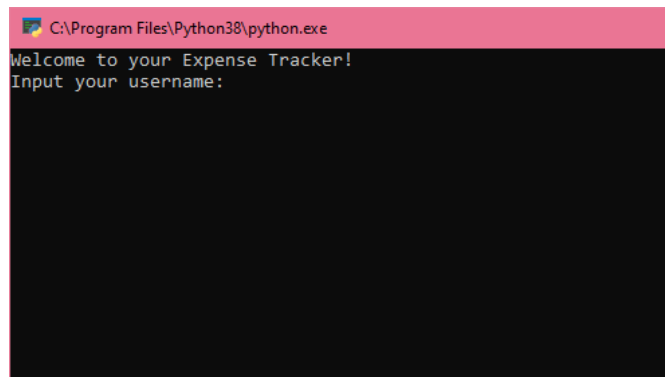


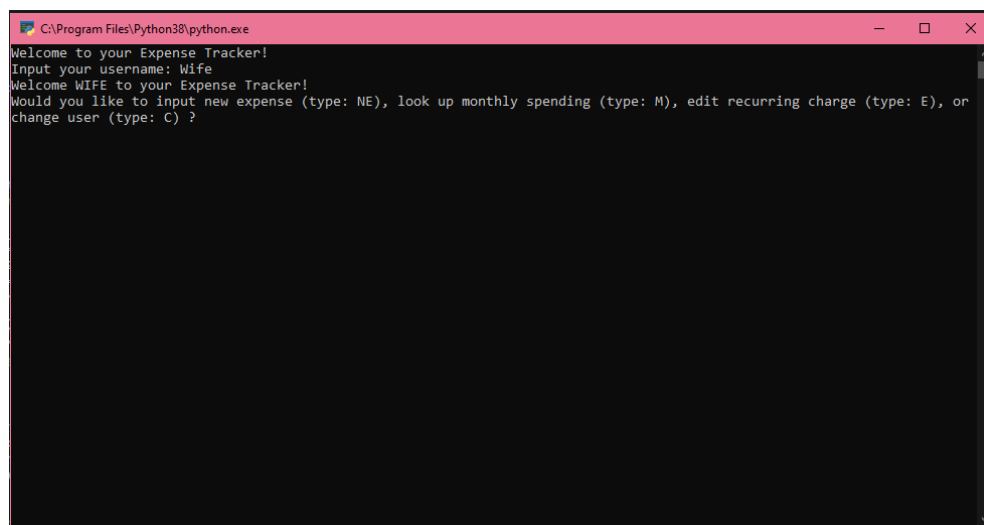
USER'S DOCUMENTATION: Expense Tracker

1. A welcome message is shown and user is prompted to input their username



```
C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username:
```

2. After inputting the username, the user is prompted to choose between inputting a new expense, look up the monthly report, edit recurring charge, or change user.



```
C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username: Wife
Welcome WIFE to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ?
```

CHOICE 1: Input new expense

3. User is prompted to input information regarding the expense to be inputted

```
C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username: Wife
Welcome WIFE to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ? NE
Please input the following information to log your new expense:
Store: Canadian Tire
Expense category: groceries
Amount spent: 41.98
Year of the expense (YYYY): 2020
Month of the expense (M): 8
Day of the expense (D): 4
Is this a recurring charge? (Y or N): n
Was this a shared expense? (Y or N): y
How many people was this expense shared with, including yourself? 2
Name of the person: Husband
```

- a. Input the store's name > press enter
- b. Input the expense category > press enter (Expense category could be anything from groceries to supplies.)
- c. Input the amount > press enter
- d. Input the year of the expense > press enter
- e. Input the month of the expense > press enter
- f. Input the day of the expense > press enter
- g. Answer yes (y) or no (n) if the charge is a recurring charge, meaning if the user wants the app to create the same charges for future dates > press enter

```
Is this a recurring charge? (Y or N): N
Was this a shared expense? (Y or N): N
Data Stored
Would you like to do additional transaction? Type Y or N:
```

If the user answer YES to the recurring charge, the user will have to answer how long the recurring charge will occur > press enter.

```
Is this a recurring charge? (Y or N): y
How many months (> 0) for recurring charge? 12
Was this a shared expense? (Y or N):
```

- h. Answer if the expense is shared with other people, yes (y) or no (n) > press enter. If the answer is no, the program would end, printing out "Data Stored!" If answer yes, the user will be prompted to answer how many people the charge and the name(s) of the person or people the charge is shared with.
4. After all the information is inputted, the program will print "Data Stored," indicating that the program is done. It will also ask if the user would like to do additional transaction. Enter yes or no and press enter.

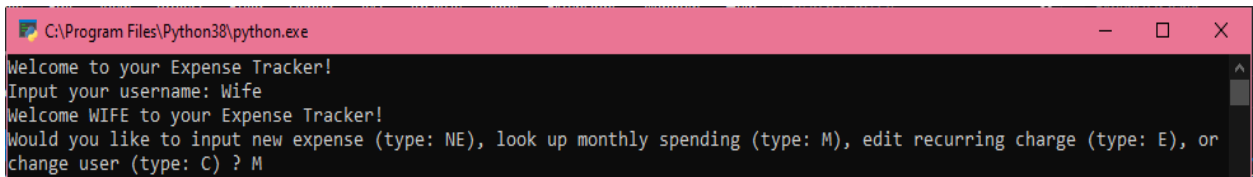
```
Data Stored
Would you like to do additional transaction? Type Y or N:
```

If you answer NO, the program will print “Thank you! Press any key to continue...”

```
Would you like to do additional transaction? Type Y or N: n
Thank you!
Press any key to continue . . .
```

CHOICE 2: Monthly report

5. User can input M after prompted to choose.



```
C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username: Wife
Welcome WIFE to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ? M
```

6. The user will then be asked to indicate a range (start and end) of date the user wants to see in the report.
 - a. Input year of the expense date > press enter.
 - b. Input month for start of the range > press enter.
 - c. Input day for start of the range > press enter.
 - d. Input month for end of the range > press enter.
 - e. Input day for end of the range > press enter.

```
Which expense year would you like to see (YYYY)? 2020
Which expense month for start of range (M)? 6
Which expense day for the start of range (D)? 7
Which expense month for end of range (M)? 7
Which expense day for the end of range (D)? 8
```

7. Monthly report shows as follows:

Monthly Report								
Date	Store Name	Category	Amount	Shared Expense	Percent Shared	Recurring Charge	Shared Amount	Name of Person
2020-06-08	spotify	music	14.99	No	0.0	Yes	0.0	
2020-06-10	amazon	groceries	47.9	Yes	50.0	No	23.95	Husband
2020-06-17	london drugs	supplies	35.67	Yes	50.0	No	17.84	Husband
2020-06-17	dollarama	staging	36.28	Yes	50.0	No	18.14	Husband
2020-06-17	homesense	staging	39.87	Yes	50.0	No	19.93	Husband
2020-06-17	michaels	staging	45.11	Yes	50.0	No	2.26	Husband
2020-06-17	winners	staging	61.93	Yes	50.0	No	30.96	Husband
2020-06-19	superstore	groceries	77.63	Yes	50.0	No	38.81	Husband
2020-06-19	costco	groceries	369.28	Yes	50.0	No	184.64	Husband
2020-06-22	virgin	phone	60.0	No	0.0	No	0.0	
2020-06-23	netflix	movie	18.68	No	0.0	Yes	0.0	
2020-06-24	canadian tire	supplies	50.36	Yes	50.0	No	25.18	Husband
2020-06-24	costco	groceries	131.26	Yes	50.0	No	65.63	Husband
2020-06-26	superstore	groceries	105.96	Yes	50.0	No	52.98	Husband
2020-06-29	dollarama	supplies	6.3	Yes	50.0	No	3.15	Husband
2020-06-29	costco	gas	22.54	Yes	50.0	No	11.27	Husband
2020-06-29	costco	groceries	178.93	Yes	50.0	No	89.47	Husband
2020-06-30	costco	gas	35.4	Yes	50.0	No	17.7	Husband
2020-06-30	superstore	groceries	39.97	Yes	50.0	No	19.98	Husband
2020-06-30	costco	groceries	100.7	Yes	50.0	No	50.35	Husband
2020-07-03	amazon	supplies	36.82	Yes	50.0	No	18.41	Husband
2020-07-04	amazon	supplies	28.0	Yes	50.0	No	14.0	Husband
2020-07-06	dollarama	supplies	2.63	Yes	50.0	No	1.31	Husband
2020-07-06	dollarama	supplies	10.24	Yes	50.0	No	5.12	Husband
2020-07-06	superstore	groceries	42.6	Yes	50.0	No	21.3	Husband
2020-07-06	superstore	groceries	61.12	Yes	50.0	No	30.56	Husband
2020-07-08	spotify	music	14.99	No	0.0	Yes	0.0	
2020-07-08	amazon	supplies	15.99	Yes	50.0	No	8.0	Husband
2020-07-08	amazon	supplies	25.09	Yes	50.0	No	12.54	Husband

Total expense: 1716.24
 Total expense for groceries: 1897.15
 Total expense for supplies: 217.4
 Total expense for phone: 60.0
 Total expense for music: 29.98
 Total expense for movie: 18.68
 Total expense for staging: 183.19
 Total expense for gas: 80.48
 Total shared expense: 1607.58
 Monthly expense shared with you: 228.45
 Amount per person with Husband : 1803.93

8. User will also be ask if they have additional transaction.

CHOICE 3: Edit recurring charge

9. After user choose to edit the recurring charge, the user would be asked to edit or delete the recurring charge.

```

C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username: Wife
Welcome WIFE to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ? E
Would you like to edit (type: edit) or delete (type: delete) the recurring charge?
  
```

10. If the user choose to EDIT: (Note: these are the original information of the charge the user wants to change)
- Input the store name of the charge the user wants to change > press enter
 - Input the amount of the charge > press enter.
 - Input the expense category of the charge > press enter.
 - Input the year of the charge > press enter.
 - Input the month of the charge > press enter.
 - Input the day of the charge > press enter.

```

Would you like to edit (type: edit) or delete (type: delete) the recurring charge? edit
Please enter store name: Test Store
What is the current amount? 10
What is the category of the charge? music
Please input the year (YYYY): 2020
Please input the month (M): 8
Please input the day (D): 12
Would you like to change the amount (type: amount) or date (type: date)?

```

11. Then, the user would need to choose between changing the amount or the date of the recurring charge.

- a. If the user choose AMOUNT:
 - i. Input the new amount > press enter.
 - ii. The program will print “Your amount has been changed” if your expense exist or “Cannot find the charge” if your expense does not exist.

```

Would you like to change the amount (type: amount) or date (type: date)? amount
What is the new amount you would like to change it to? 11
Your amount has been changed

```

- b. If the user choose DATE:
 - i. Input the new year > press enter.
 - ii. Input the new month > press enter.
 - iii. Input the new day > press enter.
 - iv. The program will print “The date has been changed” if your expense exist and changed or “Cannot find the charge you're inquiring. Please check your input,” if your expense does not exist.

```

Would you like to change the amount (type: amount) or date (type: date)? date
What is the new year you would like to change to? (YYYY) 2020
What is the new month you would like to change to? (M) 8
What is the new day you would like to change to? (D) 13
The date has been changed.

```

12. If the user choose DELETE: These are information of the charge the user like to change

- a. Input the store name > press enter.
- b. Input the amount > press enter.
- c. Input the expense category > press enter.
- d. Input the year for the start range > press enter.
- e. Input the month for the start range > press enter.
- f. Input the day for the start range > press enter.
- g. Input the year for the end range > press enter.
- h. Input the month for the end range > press enter.
- i. Input the day for the end range > press enter.
- j. The program will indicate “Your recurring charges have been deleted”

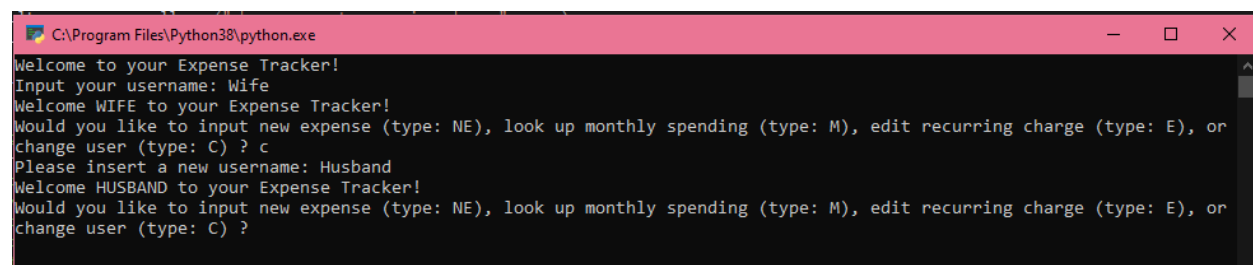
```
Would you like to edit (type: edit) or delete (type: delete) the recurring charge? delete
Please enter store name: Test Store
What is the current amount? 11
What is the category of the charge? music

Enter the date for the start of the range:
Enter the year: 2020
Enter the month: 8
Enter the day: 13

Enter the date for the end of the range
Enter the year: 2020
Enter the month: 8
Enter the day: 15
Your recurring charges have been deleted.
```

CHOICE 4: Change user

13. After user choose to change user, the user will be prompted to input a new username. After inputting the new username, the user will be able to continue with the program.



```
C:\Program Files\Python38\python.exe
Welcome to your Expense Tracker!
Input your username: Wife
Welcome WIFE to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ? c
Please insert a new username: Husband
Welcome HUSBAND to your Expense Tracker!
Would you like to input new expense (type: NE), look up monthly spending (type: M), edit recurring charge (type: E), or
change user (type: C) ?
```