

User Manual



Wallet: Income & Expenses

2022.11.27

Abdelhamid Ahbane

N85AOM

BSc in Electrical Engineering

Budapest University of Technology and Economics, VIK

Requirements :

This wallet program is intended for users with no programming knowledge, as it is simple and straightforward. Users can track their expenses and income in a time-based manner. They can also store their financial exchanges in an organized way, as they can label every entry in a specific category of their choice.

Menu:

In every use case of the program, the menu below will be shown :

(Selecting 4 will shut down the program, but all data will be saved for later use).

```
-----
<-----
<
<  WELCOME TO YOUR DIGITAL WALLET
<
<-----

1.Add Entry (income or expenses)
2.Add a New Category
3.View statistics / Check the most expensive category
4.EXIT

Choose an option from the menu above:  █
```

Option 1:

```
Choose an option from the menu above: 1
Select date (format : year month day ) :
2022
12
03
Select type :
    1 : income --    0 : expenses :
1
select a category from the list below :
0 = household

1 = food
2 = party
3 = travel
4 = scholarship
5 = salary
6 = gambling

4
Enter the amount of money in Euros :
43800

New entry saved successfully !
```

After choosing 1 as shown in the example, the user has to select a date in the format (Year Month Day).

Then choose income or expense by typing 1 or 0.

Then select a category by typing its corresponding integer (ex: 4).

Finally, Enter the amount of money in Euros (ex: 7234.32).

Option2:

```
Choose an option from the menu above: 2
Enter name of the new category to add :
gift

New category has been added successfully
```

When the user chooses option 2 as shown in the example above, they can immediately enter the name of the new category (ex: gift).

Success message is shown afterward, and the menu is shown as always.

Option3:

```
Choose an option from the menu above: 3
Starting from :
Select date (format : year month day ) :
2009 03 14
Ending at :
Select date (format : year month day ) :
2022 12 24
```

When selecting option 3 to see statistics, the user will be asked to enter two dates: starting date, and Ending date (in the format YYYY MM DD, As shown in the example above).

After that, the statistics of each category will be shown in the format below.

In the end, the most expensive category will be revealed, in addition to its expenses.

```
-----
Category : salary

Total income = 0.000000
Total expenses = 0.000000
-----
Category : gambling

Total income = 0.000000
Total expenses = 0.000000
-----

--The most Expensive category is :      food
-|-->it's expenses are :23435.234375
```