

CodeHub: USER MANUAL

Main Screen:

```
Errors no Bank, and file empty
Enter Bank name: 
```

Figure 1

```

ain
    <<<<<<<PERSONAL FINANCE MANAGER>>>>>>>
    -----(Main Menu)-----
    1. Add Account
    2. Deposit Money
    3. Withdraw Money
    4. Change Currency
    5. Display Account Balances and Transactions
    6. Add Budget
    7. Add Saving
    8. Add Transaction
    9. Display All Information
    10. Exit
    -----
    ce: █

```

Figure 2

At the start there are 2 scenarios, first where you first time use the Finance Manager and the system would check if there are already registered bank, if there are not figure 1 is what you would see, you will be prompted to enter your Bank name, your ID and your Name. Figure 2 what you would see if you already use the project before.

Menu Screen 1:

```
ain
      <<<<<<PERSONAL FINANCE MANAGER>>>>>>
----- (Main Menu) -----
1. Add Account
2. Deposit Money
3. Withdraw Money
4. Change Currency
5. Display Account Balances and Transactions
6. Add Budget
7. Add Saving
8. Add Transaction
9. Display All Information
10. Exit
-----
ce: █
```

Figure 3

Here you can see the main menu of the app where all the functions that you can use are as shown on Figure 3

Screen Add Account:

```
Enter account name: Amir
Enter initial balance: 1000
Account added successfully.
Account ID      Name      Balance
6              Amir      1000.00
Press Enter to continue...
```

Figure 4

After you press 1 on the main menu, you will be prompted to Enter your new Account Name, your initial Balance, after successfully created the account, the program will notify you and output your new Account along with the ID. as in Figure 4 above, press enter and you will return to main screen.

Screen Deposit Money:

```
Enter account ID: 6
Enter deposit amount: 1000
Money deposited successfully.
Press Enter to continue...
```

Figure 5

Press 2 on main Screen to deposit money, you will be prompted to enter which account that you want to deposit the money, the amount, then you will be notified successful, press enter and you will return to main screen again.

Screen Withdraw Money:

```
Enter account ID: 6
Enter withdrawal amount: 50
PRESS 1 FOR SHOPPING
PRESS 2 FOR FOOD
PRESS 3 FOR OTHER
1
Enter Shopping name:KASUT
Money withdrawn successfully.
Press Enter to continue...
█
```

Figure 6

Press 3 on main screen, You again will be prompted to enter the id of account that you want to withdraw from, and the program will ask the purpose of withdrawing money by giving you option, then the name of anything that you want to withdraw for, then you will be notified, press enter and you will return to main screen. As shown on figure 6

Screen Exchange Currency:

```
Screen Exchange Currency:
Enter account ID: 6
Enter account ID: 6
Enter new exchange rate (1 USD to target currency): 1.2
Exchange rate updated successfully.
Press Enter to continue...
```

Figure 7

Pressing 4 on main screen will allow you to change the currency of the money of yours using, it will prompt you to enter the exchange rate and it will change, noted that the program will still use RM as the currency but the value would match the exchanged rate, press enter to return to main screen. As shown on figure 7

Screen Display Balances and Transactions:

```
Enter your choice: 5
Budget for Shopping:>
Budget used : 0.0/ 70.0

Budget for Food:>
Budget used : 0.0/ 900.0

Account ID: 1, Name: KIRIN, Balance: RM1125.6
Transaction ID: 1, Description: DepositToKirin, Amount: RM12.0, Date: 2024-06-21, Category: Shopping
Transaction ID: 1, Description: GAMES, Amount: RM288.0, Date: 2024-06-19, Category: Shopping

Account ID: 2, Name: HAZIQ, Balance: RM10920.0
Transaction ID: 2, Description: FOOD, Amount: RM348.0, Date: 2024-06-20, Category: Food
Transaction ID: 2, Description: CatToy, Amount: RM18.0, Date: 2024-06-20, Category: Shopping

Account ID: 3, Name: ABDUH, Balance: RM11890.8

Account ID: 4, Name: AIDAN, Balance: RM10680.0

Account ID: 5, Name: KKK, Balance: RM27.96

Java: Ready
```

Figure 8

```
Budget used : 0.0/ 900.0

Account ID: 1, Name: KIRIN, Balance: RM1125.6
Transaction ID: 1, Description: DepositToKirin, Amount: RM12.0, Date: 2024-06-21, Category: Shopping
Transaction ID: 1, Description: GAMES, Amount: RM288.0, Date: 2024-06-19, Category: Shopping

Account ID: 2, Name: HAZIQ, Balance: RM10920.0
Transaction ID: 2, Description: FOOD, Amount: RM348.0, Date: 2024-06-20, Category: Food
Transaction ID: 2, Description: CatToy, Amount: RM18.0, Date: 2024-06-20, Category: Shopping

Account ID: 3, Name: ABDUH, Balance: RM11890.8

Account ID: 4, Name: AIDAN, Balance: RM10680.0

Account ID: 5, Name: KKK, Balance: RM27.96

Account ID: 6, Name: Amir, Balance: RM3432.0
Transaction ID: 7, Description: DEPOSIT, Amount: RM1200.0, Date: 2024-06-21, Category: Deposit
Transaction ID: 7, Description: Korban, Amount: RM108.0, Date: 2024-06-21, Category: other
Transaction ID: 7, Description: DEPOSIT, Amount: RM1200.0, Date: 2024-06-21, Category: Deposit
Transaction ID: 7, Description: KASUT, Amount: RM60.0, Date: 2024-06-21, Category: Shopping

Java: Ready
```

Figure 9

Figure 8 and 9 show you when you press 5 on the main Menu, it will show all the account name and balance, it will also show the each transaction that happen on each account. press enter to return to main menu.

Screen Add Budget:

```
Enter account ID: 6
Enter budget limit: 100
Choose category: 1. Shopping
                2. Food
                1
Budget added successfully.
Press Enter to continue...
```

Figure 10

Pressing 6 will allow you to add a budget to your account, it will ask which account that you want to put a budget for, the budget limit and the category of the budget either Shopping or Food, then it will notify if it is successful, it will also ask you to replace the budget if you already have a budget for the category, press enter to return to main menu, As shown on Figure 10

Screen Add Saving:

```
Enter account ID: 6
Enter saving goal name: RUMAH
Enter target amount: 900000
Enter current amount: 1000
Enter target date (YYYY-MM-DD): 2028-09-03
Saving goal added successfully.
Press Enter to continue...
█
```

Figure 11

On figure 11, after pressing 7 on the menu screen, it allows you to add a saving goal, it will prompt you to enter which account you want to have a saving goal for, the name of the goal, target amount, current amount that you have and the targeted date that you want to accomplish the goal, then it will notify you if the saving is saved successfully, press enter to return to main menu.

Screen Add Transaction:

```
Enter account ID: 6
Enter transaction description: Yuran
Enter transaction amount: 250
Choose category: 1. Shopping
                2. Food
1
This transaction exceeds the budget limit for the category Shopping.
Do you want to proceed? (yes/no): y
Transaction cancelled.
Press Enter to continue...
█
```

Figure 12

Pressing 8 will allow you to add transaction withdrawal of money, the purpose of this is for unexpected purchase, it will prompt you to enter which account to use, the amount of money, the category. It will also check if it is out of budget, if it is it will cancel the transaction as shown on Figure 12, press enter to return to main menu.

Screen Display All:

```
User Information:
ID: 22231
Name: Aiman

Account Information:
ID: 1
Name: KIRIN
Balance: RM1125.6

Budget Information:
Budget for Shopping:>
Budget used : 0.0/ 70.0

Budget for Food:>
Budget used : 0.0/ 900.0

Saving Information:
ID: 1
Name: KeretaSupra
Target Amount: RM190000.0
Current Amount: RM1000.0
Target Date: 2029-06-20

ID: 1
Name: UBAT
Target Amount: RM10.0
Current Amount: RM1.0
Target Date: 1970-01-01

Transaction Information:
Account ID: 1, Name: KIRIN, Balance: RM1125.6
Transaction ID: 1, Description: DepositToKirin, Amount: RM12.0, Date: 2024-06-21, Category: Shopping
Transaction ID: 1, Description: GAMES, Amount: RM288.0, Date: 2024-06-19, Category: Shopping

Account Information:
ID: 2
Java: Ready
```

Figure 13

```
Account Information:
ID: 2
Name: HAZIQ
Balance: RM10920.0

Budget Information:

Saving Information:
ID: 2
Name: NikeAirJordan
Target Amount: RM2500.0
Current Amount: RM900.0
Target Date: 2024-07-01

ID: 2
Name: Operation
Target Amount: RM20000.0
Current Amount: RM10.0
Target Date: 2024-09-02

Transaction Information:
Account ID: 2, Name: HAZIQ, Balance: RM10920.0
Transaction ID: 2, Description: FOOD, Amount: RM348.0, Date: 2024-06-20, Category: Food
Transaction ID: 2, Description: CatToy, Amount: RM18.0, Date: 2024-06-20, Category: Shopping

Account Information:
ID: 3
Name: ABDUH
Balance: RM11890.8

Budget Information:

Saving Information:
Transaction Information:
Account ID: 3, Name: ABDUH, Balance: RM11890.8

Account Information:
Java: Ready
```


Figure 14

```
Account Information:
ID: 4
Name: AIDAN
Balance: RM10680.0

Budget Information:

Saving Information:
Transaction Information:
Account ID: 4, Name: AIDAN, Balance: RM10680.0

Account Information:
ID: 5
Name: KKK
Balance: RM27.96

Budget Information:

Saving Information:
Transaction Information:
Account ID: 5, Name: KKK, Balance: RM27.96

Account Information:
ID: 6
Name: Amir
Balance: RM3432.0

Budget Information:
Budget for Shopping:>
Budget used : 0.0/ 100.0

Saving Information:
ID: 8
Name: RUMAH
Target Amount: RM900000.0
Current Amount: RM1000.0
Java: Ready
```

Figure 15

```
Account Information:
ID: 6
Name: Amir
Balance: RM3432.0

Budget Information:
Budget for Shopping:>
Budget used : 0.0/ 100.0

Saving Information:
ID: 8
Name: RUMAH
Target Amount: RM900000.0
Current Amount: RM1000.0
Target Date: 2028-09-03

Transaction Information:
Account ID: 6, Name: Amir, Balance: RM3432.0
Transaction ID: 7, Description: DEPOSIT, Amount: RM1200.0, Date: 2024-06-21, Category: Deposit
Transaction ID: 7, Description: Korban, Amount: RM108.0, Date: 2024-06-21, Category: Other
Transaction ID: 7, Description: DEPOSIT, Amount: RM1200.0, Date: 2024-06-21, Category: Deposit
Transaction ID: 7, Description: KASUT, Amount: RM60.0, Date: 2024-06-21, Category: Shopping

Press Enter to continue...
█
```

Figure 16

Pressing display all information on menu screen will display all the information that you have on your bank,all transactions on each account,each budget,each saving and each,it show you every action that you have done on your account each individually,press enter to return to main screen

Screen Exit:

```
<<<<<<<PERSONAL FINANCE MANAGER>>>>>>>
------(Main Menu)-----
1. Add Account
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6. Add Budget
7. Add Saving
8. Add Transaction
9. Display All Information
10. Exit
-----

Enter your choice: 10
Exiting...
op\PROJECT> █
```

Figure 17

Pressing 10 will exit the program,it will save all the action that you have done on the file which the program will read when you boot it up again.