BANKING SYSTEM DOCUMENTATION

The system allows creation of files store the user’s information, passwords and account balances.

# The Main Function

The main function calls only one function which is ***welcome\_peeps();*** where in this function all the system processes are initialized.

Text

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# Welcome\_peeps() function

It receives and returns nothing.

The function once called displays a message “WELCOME TO BANKERS” then prompts the user to enter either 1 to create an account or 2 to login if he or she has an account.

It is in the welcome\_peeps function where one can create an account or access the system by logging in. The function simply calls create\_account function and login\_menu function.

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# Call\_peeps();

It is an exact replica of welcome-peeps, it is used in the default option in the switch case statement of welcome\_peeps, this is to avoid the bug brought about by the recursions.

Graphical user interface, text, application, email

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# Create\_account();

The function receives no argument and returns nothing.

Once called it prompts the user to enter a username and a password. The username is used to create a file that will store the password example

**Username: Rodney**

**Password:carlyn**

The function will create a file **“Rodney.txt”** and store the password **“carlyn”** as its content. In addition, the function also creates a balance where the user’s balance will be stored, it’s initialized with a balance of zero. It basically concatenates the username with word balance, for example the user Rodney’s balance file will be **“balanceRodney.txt”** with **“O”** as its content.

Graphical user interface, application

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Graphical user interface, text

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# Login\_menu()

This function receives no argument and returns nothing.

This function allows the user to gain access to the system features such as withdrawing, depositing and checking balance.

Once called it prompts the user to enter the username, then it checks if the user exits, if the user does not exit it takes back the user to the welcome\_peeps() function, if the user is there it allows the user to enter the password.

It validates the password, if password is false, it displays the message “You have entered a wrong password” and the user is taken back to the welcome\_peeps() function again. If password id true the function display\_menu(menu ()) is called.

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Graphical user interface, text, application, email

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# Display\_menu(int d);

This receives an integer argument and returns nothing.

It receives a value from the menu function:

**Menu ()**

The function receives nothing but returns an integer.

The integer returned is then passed to the function display\_menu.

Once this function is called it prompts the user to PRESS:

1 to Deposit

2 to Withdraw

3 to Check Balance

4 to Exit

Whatever value the user enters is passed to the display\_menu function.

Graphical user interface, text

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## display\_menu

Once this function is called it receives a value from the menu function which then calls either deposit-fuc function, withdraw\_fun functions, checkbalance\_fuc function or exit\_fuc function.

The default value recalls display\_menu(menu()) when the user enters a value that is not either 1,2,3,4.

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### Deposit\_func

This function receives not receive any argument and returns nothing.

Once called it prompts the user to enter the amount he or she wants to deposit, the function calculates the transaction fee and subtracts it from the deposited amount then it ensures that the amount is above 500. If the amount is greater than 500 a receipt is generated and if less it tells the user that the transaction was not successful.

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### Withdraw\_func

This function receives no argument and returns nothing.

Once called it prompts the user to enter the amount he or she wants to withdraw, the function then calculates the transaction fee then adds it to the withdrawal request and subtracts it from the current balance. If the balance is less than 500 it tells the user that the request is unsuccessful else, it updates the current balance and prints a receipt.

Graphical user interface, text, application

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### Checkbalance\_func

This function receives no argument and does not return.

Once called it simply displays the current balance of the user.

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### Exit\_func

The function receives no arguments and returns nothing.

The function once called it prompts the user to **PRESS Y/y to exit the system and PRESS N/n if they don’t wish to exist.**

When the user presses **N/n** the display \_menu (menu ()) is called but if the user choses **Y/y** the message THANK YOU FOR USING BANKERS!! WELCOME AGAIN is displayed and the system exits.

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**When you press Y/y**

Text

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**When you press N/n**

Text

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## **Some of the glitches**

1. At some point the program might end up appending strange symbols in a file hence ruin functions such as password validations, generation of receipts, writing withdrawal and deposit updates.
2. Most of the errors are not well handled such as write errors, read errors and open errors.
3. Sometimes while withdrawing or depositing the system might fail thus one has to repeat the whole process again.