**Java Bank Phase 2**

Java Bank Main Menu

[1] New Account

[2] Balance Inquiry

[3] Deposit

[4] Withdraw

[5] Client Profile

[6] Close Account

[7] Exit

Program Specifications:

1. New Account

* Input client details: name, address, birthday, and contact number
* Input the initial deposit of not less than PhP 5,000
* Generate a four-digit account number randomly

1. Balance Inquiry

* Input the account number and validate
* If account number is valid, display the current balance

1. Deposit – override the deposit method of BankAccount from the SavingsAccount class

* Input the account number and validate
* If account number is valid, input the amount of deposit of not less than Php 100
* Compute and update the current balance as follows:

Balance+=amount of deposit

Interest=5% of balance

Balance+=interest

1. Withdraw – override the withdraw method of BankAccount from the SavingsAccount class

* Input the account number and validate
* If account number is valid, input the amount to be withdrawn, not less than Php 100, not greater than the balance, and an amout of Php 5,000 should be maintained (maintaining balance)
* Compute and update the balance as follows:

Balance-=amount withdrawn

1. Client Profile

* Input the account number and validate
* If account number is valid, display the name, address, birthday, contact number, and current balance of the user.

1. Close Account

* Input the account number and validate
* If account number is valid, confirm if the user closes the account then set the balance to zero
* Otherwise, go back to the main menu

1. Exit

* Terminates the program

1. Main Menu

* Validate the transaction codes by the user
* The user should not be allowed to perform transactions 2 to 6, unless a new account has been created
* Once an account is active, the user should not be allowed to repeat transaction 1

Teller

Client

BankAccount

SavingsAccount