Function 1: Check\_the\_balance

//This function is to check the selected account’s balance in the bank. It accesses “account” table, “bank” table, and “customer” table (“employee” table if check in bank or phone call).

Input: bank name, the name of the selected bank

Steps:

1. Check the ID number in the “bank” table based on the bank name
2. Check the account number in the “customer” table by ID number
3. Check the account balance in the “account” table by account number
4. Display the account balance

Function 2: Check\_the\_deposit\_rate

//This function is to check the deposit rate in the bank. It accesses “account” table, “bank” table, and “customer” table (“employee” table if check in bank or phone call).

Input: bank name, the name of the selected bank

Steps

1. Check the ID number in the “bank” table based on the bank name
2. Check the account number in the “customer” table by ID nunmber
3. Check the deposit rate in the “account” table by the account number
4. Display the deposit rate

Function 3: Open a credit card

//This function is to open a credit card in the bank. It accesses “account” table, “bank” table, “customer” table, and “employee” table.

Input: bank name, the name of the selected bank

Steps:

1. Selected a random ID number in the “employee” table
2. Check the name in the “employee” table by ID number
3. Check the ID number in the “bank” table base on the bank name
4. Check the account number in the “customer” table by ID number
5. Check the card number in the “account” table account number
6. Check the card number in the “card” table by holder name
7. Insert the card number in the “account” table and inset the card number in the “card” table
8. Display card number and employee name

Function 4: Transfer money

//This function is to transfer money to another account in the same bank. It accesses “account” table, and “customer” table (“employee” table if check in bank or phone call).

Input: amount of money, amount of money which want to transfer

ID number1, ID number which send money

ID number2, ID number which get money

Steps:

1. Check account balance1 and account banlace2 the “account” table by ID number 1 and ID number2
2. Minus amount of money in account balance1
3. Add amount of money in account balance2
4. Display account balance1 and account balance2

Function 5: open an account

//This function is to open an account at the bank. It Accesses the bank, customer, employee, account tables.

Input: Customer Identity Number and name

Steps:

1.Check “Bank Name” in the bank table to find out which bank the account is being opened at.

2.Check “ID Number” in employee table to validate employee opening the customer’s account

3. Update Customer table by recording Customer Identity Number and name

4.Update account table by adding the customers new account to it adding Routing number, account number, and type of account.

5.Display Account Number, Routing number, and type of account

Function 6: check bank statement

//This function is to check the customers bank statement. It accesses the bank, customer, account tables.

Input: Customer Identity Number and Routing number

Steps:

1.Check Identity Number in in customer table to verify customer and use it to find their account name in the account table.

2.Check Routing number to verify the customers account they want to display the bank statement on from the account table.

3.Retrive Bank statement from account table based on the account found

4.Display Bank statement

Function 7: loan

//This function is the take out a loan from the bank. Its accesses the bank, customer, account, employee tables.

Input: Customer name and Identity number, loan amount.

Steps:

1.Check “Bank Name” in the bank table to find out which bank the customer is taking a loan from.

2.Check “ID Number” in employee table to validate employee giving out loan.

3.Check Customer name and identity number in the customer table to identify customer wanting to take out loan.

4.Add the loan amount to bank statement in the account table based on the loan amount from input.

5.Display bank statement

Function 8: make a payment

//This function is to make a payment on the customers account. It accesses the card, customer, account tables.

Input: Customer Identity Number and Routing number, and payment amount

Steps:

1.Check “Bank Name” in the bank table to find out which bank the customer is from.

2.Check Customer name and identity number in the customer table to identify customer wanting to make a payment on their account.

3.Check bank statement to get the balance of the account.

4.Add payment amount to the bank statement

5.Display bank statement to get the new balance of the account.