

Exploring the World of Banking

Malaysian Urban Banking Management System



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What is this about?

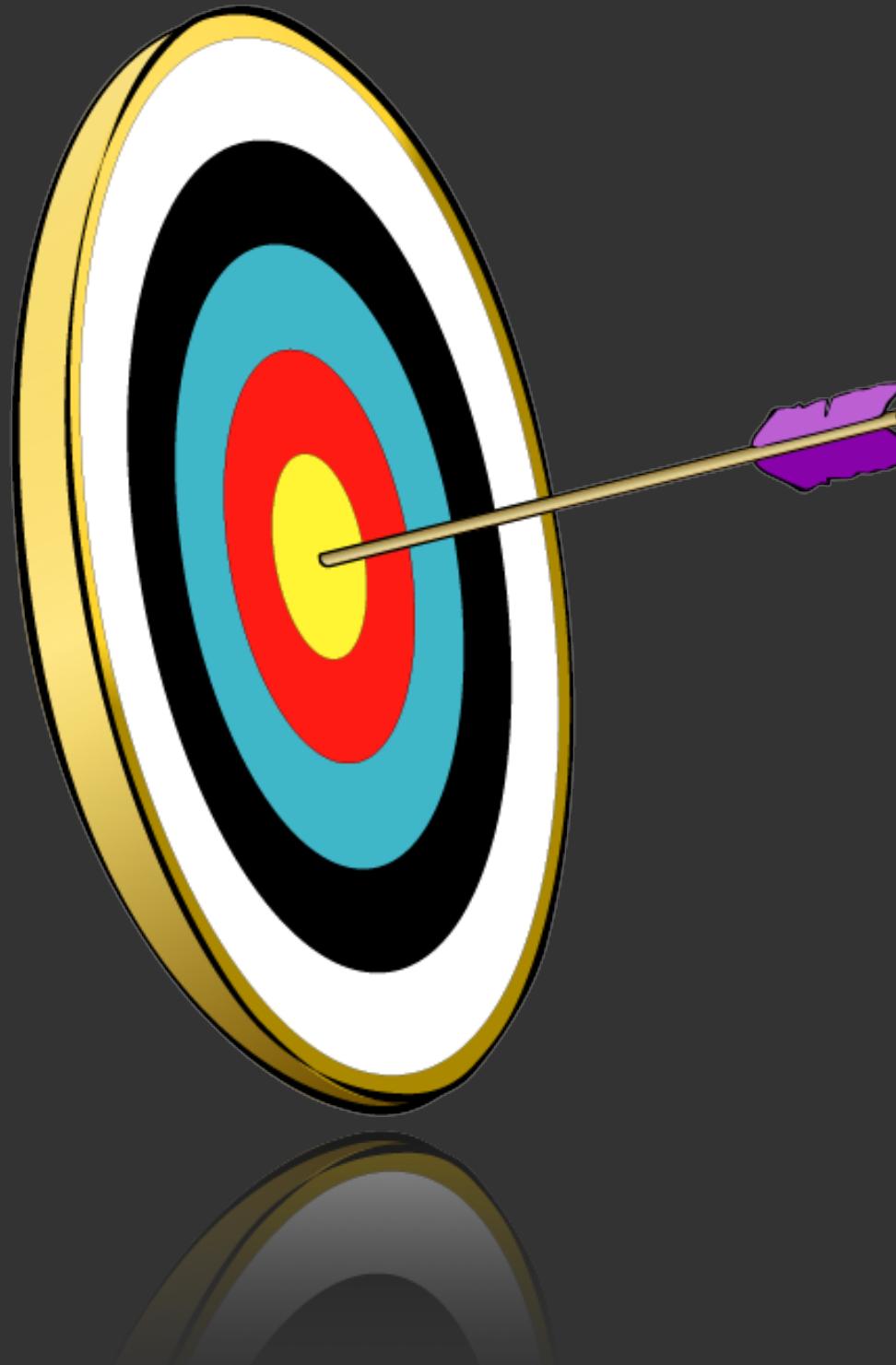
Welcome to the world of modern banking! Our project, the "[Malaysian Urban Banking Management System](#)" is all about making banking easy and convenient, even if you're new to it.

Imagine having a special tool on your computer that helps you keep track of your money, just like a treasure chest. This tool lets you save your money, spend it, and see where it's going—all from the comfort of your computer. For example, think of your piggy bank at home. You put coins in it and take them out when you want to buy something fun. Our project is like having a super-smart piggy bank on your computer, and it's here to help you.

Plus, there's a friendly guide named "Admin" who makes sure everything runs smoothly. Admin helps you with your accounts and keeps them safe and sound. So, whether you're a grown-up or a kid, our project makes banking simple and accessible. It's like having a helping hand whenever you need it. Ready to learn more about it? Let's dive into the world of easy banking together!

Objectives

- To simplify the banking experience for clients and administrators
- Provide clients and administrators the tools they need to manage their banking tasks confidently
- Streamline transactions and account management



C Programming



The Power Behind the Malaysian Urban Banking System



Banking Basics

- Banking has come a long way, from traditional brick-and-mortar banks to today's digital solutions
- Just like your piggy bank at home, banks help people save and manage their money

The Malaysian Urban Banking System

- Our project is like a super-smart computer program for a bank in Malaysia
- Imagine it as a magical bank where you can do many things with your money

Meet our Characters



Admin

- Helps clients open accounts
- See client's money
- Make sure everything is safe
- It's like a guardian of the bank!

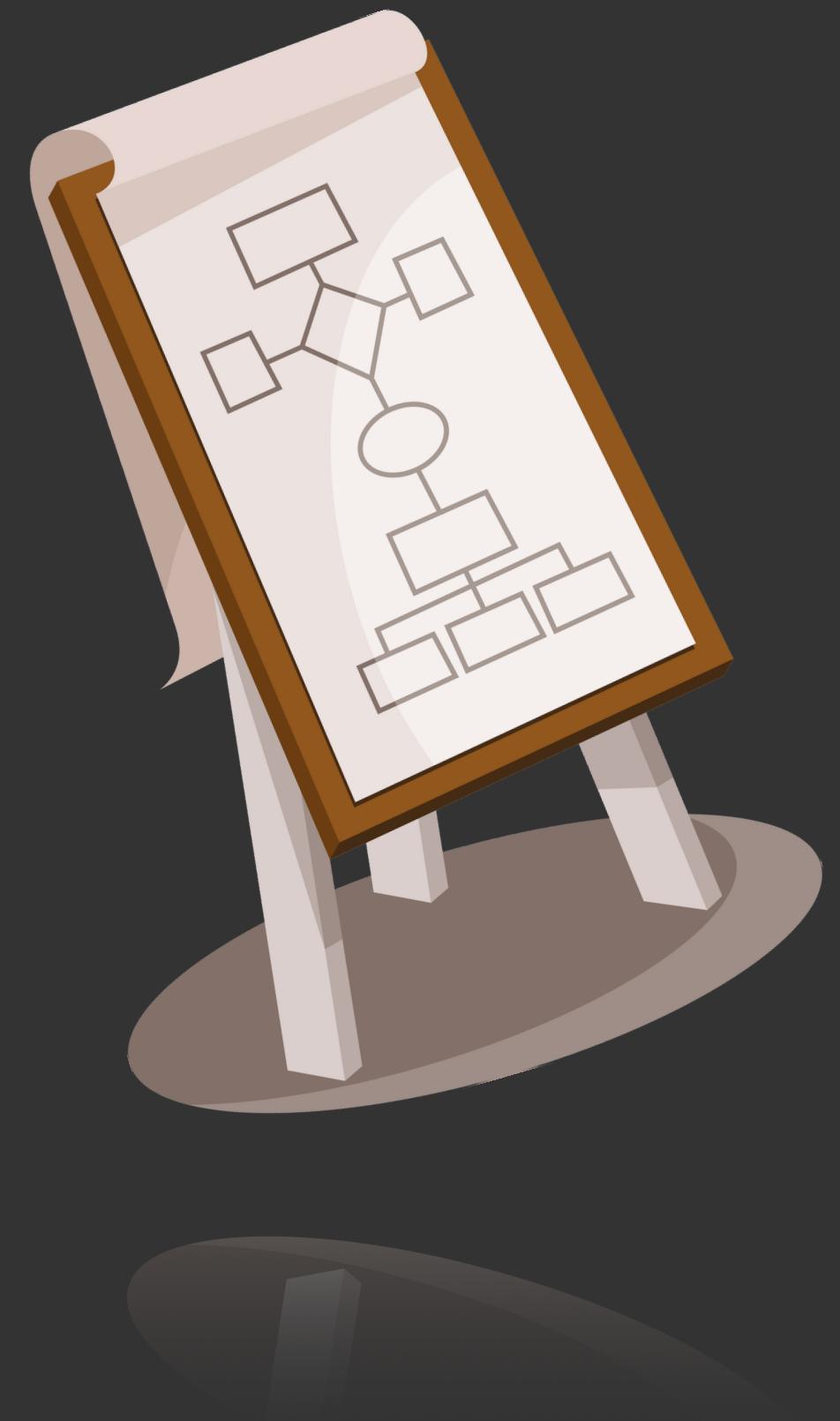
Clients

- Clients can check their money
- Deposit money
- Withdraw money
- Just like you might save your allowance in your piggy bank!



Application Design

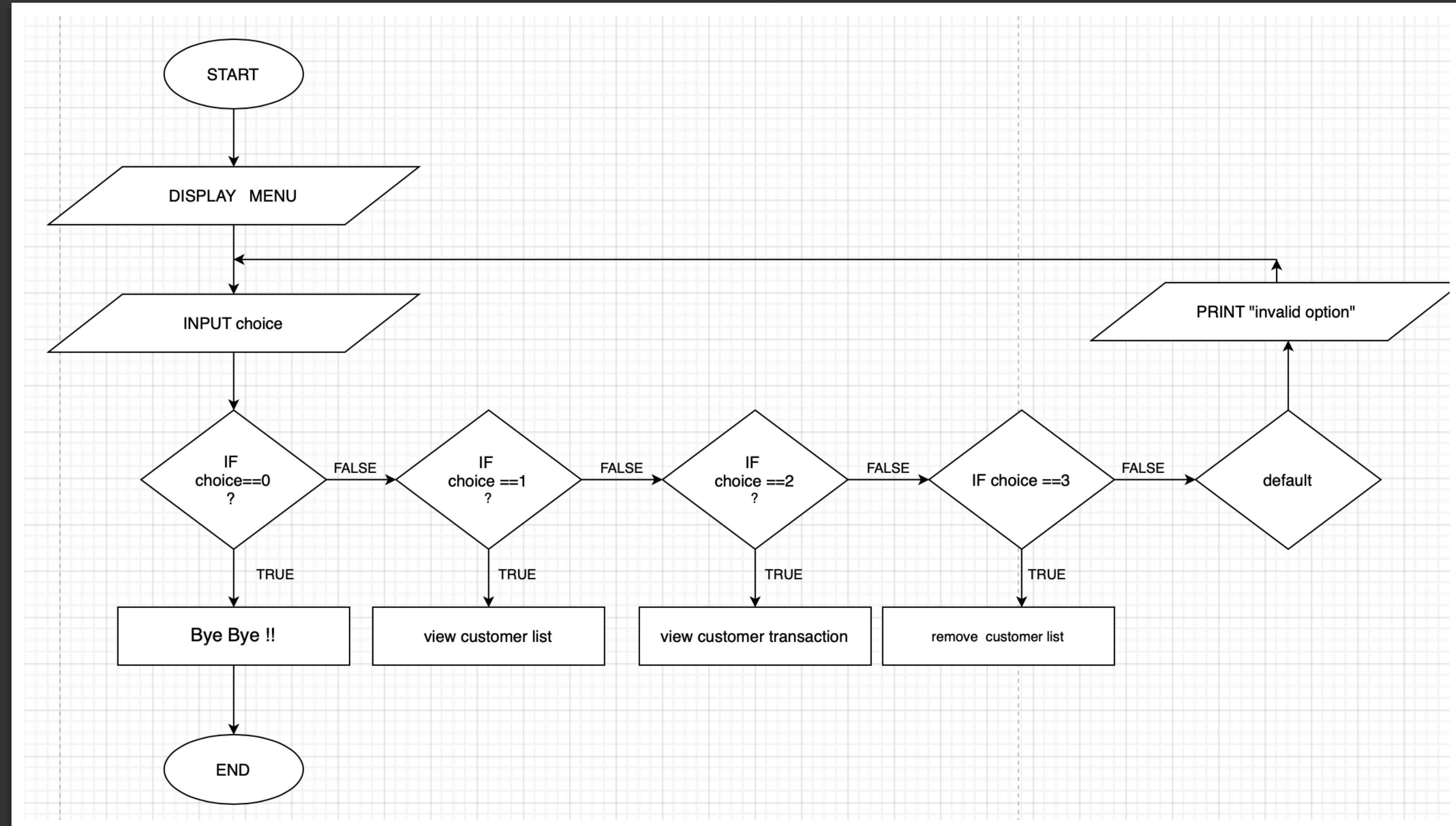
Pseudo Codes and Flowcharts



Pseudocode for Admin Menu

```
Step 1: BEGIN the Program
Step 2: INPUT Admin Name and Password
Step 3: IF(username= user and truepasswd=password)
        Log In to the Admin Menu
        Display Menu
        Input Control Choice
        IF (choice == 0), Log out of the Program
        IF (choice == 1), Display Clients List
        IF (choice == 2), Display Clients Transaction
        IF (choice == 3), Erase Clients Account
        ELSE
            Print 'Invalid Option' and Return to Menu
        END 'IF'
        IF (username ==!username and password!=password)
            PRINT 'Sorry, Cannot Open'
    END of Admin Menu
```

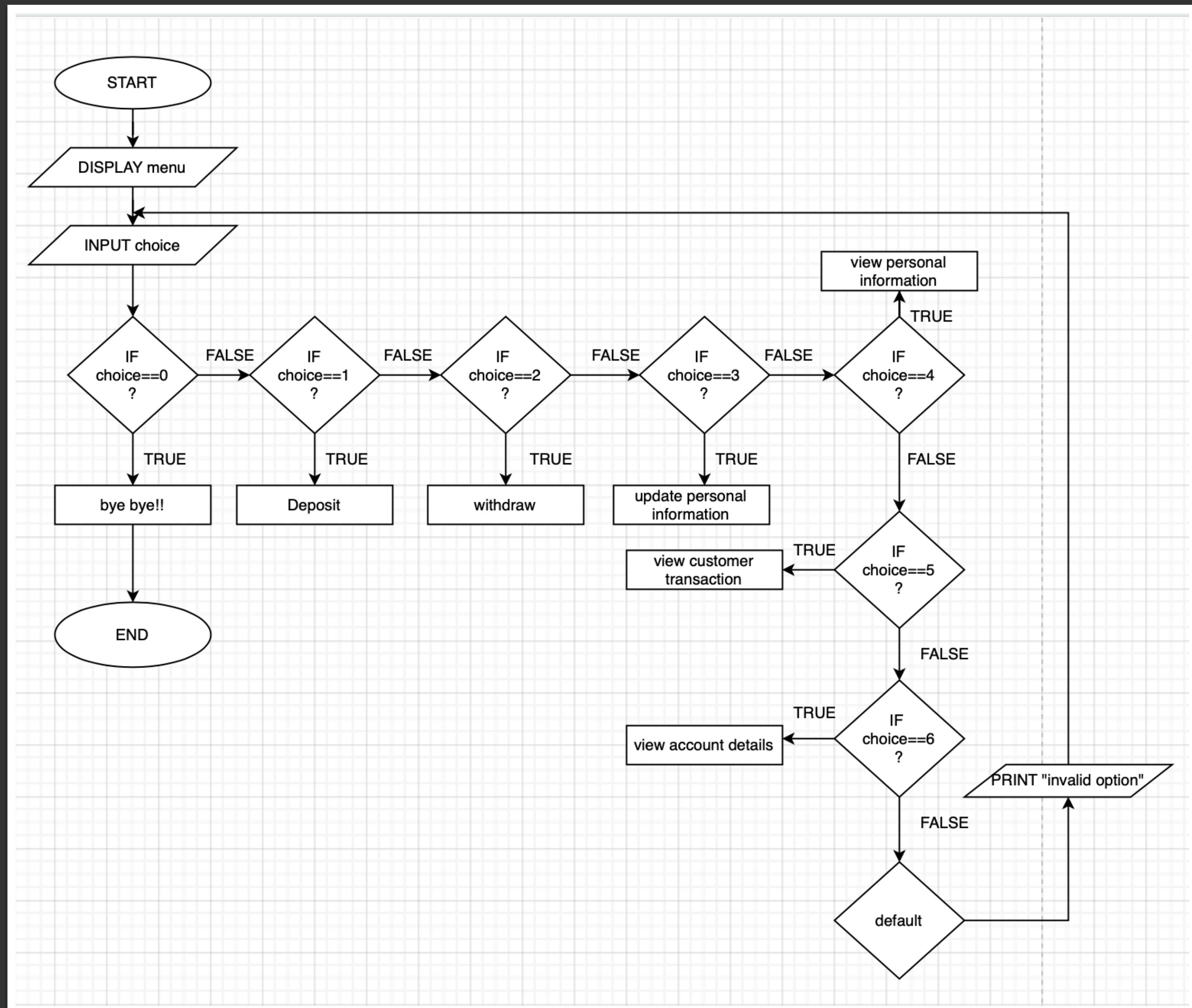
Flowchart for Admin Menu



Pseudocode for Clients Menu

```
BEGIN
    Log In to customerLogin menu
    INPUT username and password
    OPEN public file.txt file
    IF (username==username and password==password)
        ENTER inside the Client Menu
            Display Menu Inside Clients Menu
            Enter your choice
            IF (choice==0), Log Out of the program
            IF (choice==1), Display Deposit
            IF (choice==2), Display Withdraw
            IF (choice==3), Update Personal Information
            IF (choice==4), Display Personal Information
            IF (choice==5), Display Transaction
            IF (choice==6), Display Account Detail
        ELSE
            Print 'Invalid Choice'
    Return to Menu
END
```

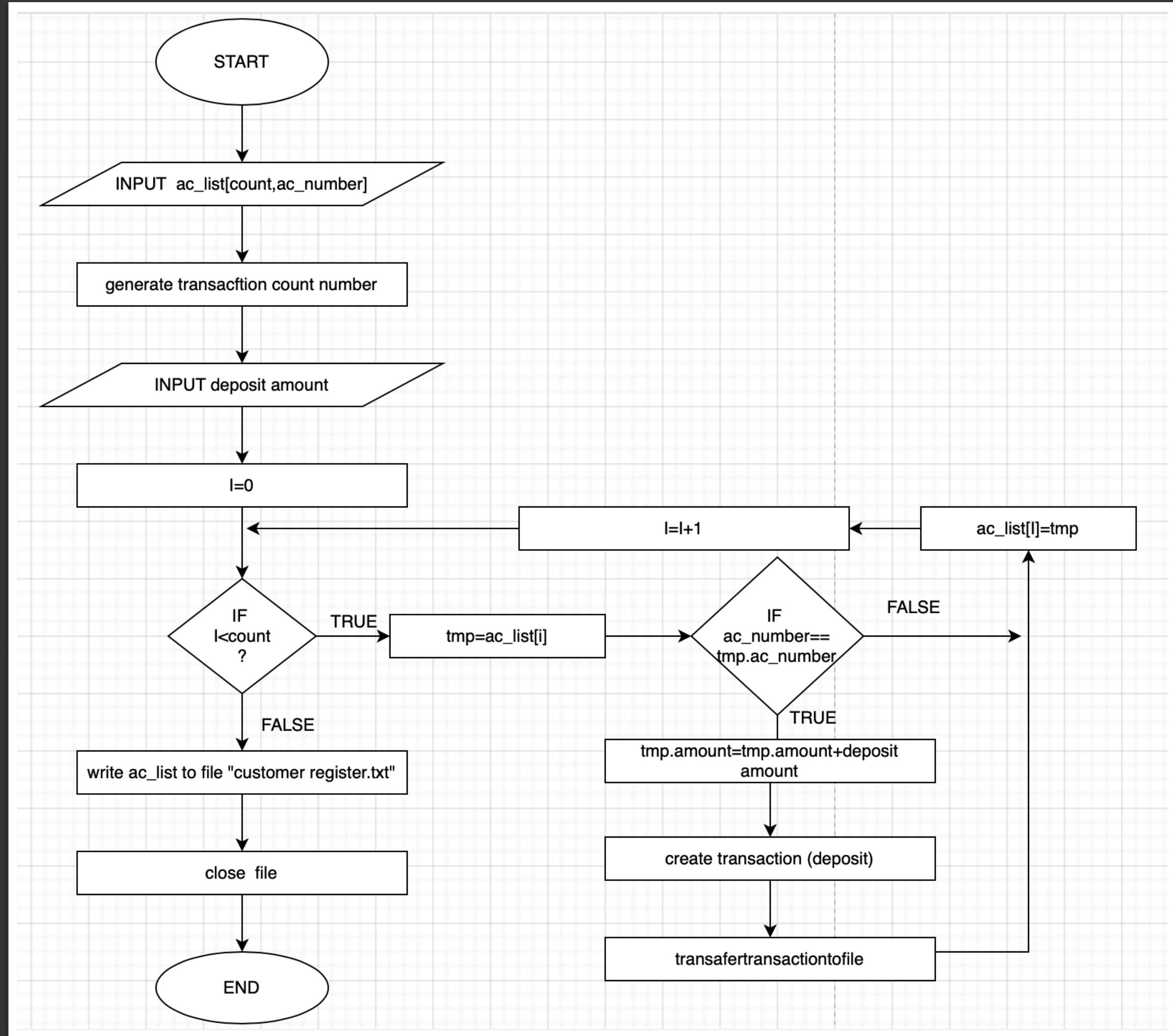
Flowchart for Client Menu



Pseudocode for Deposit Section

```
BEGIN
    Display file transaction
    Enter the amount to deposit
    Start of for loop
    a=list[i]
    If AcNumber == tmp.AcNumber
        tmp.amount= tmp.amount + deposit amount
        Write in file transaction.txt
    End of if
    List [i]=a
    End of for loop
    Call function
END of deposit menu
```

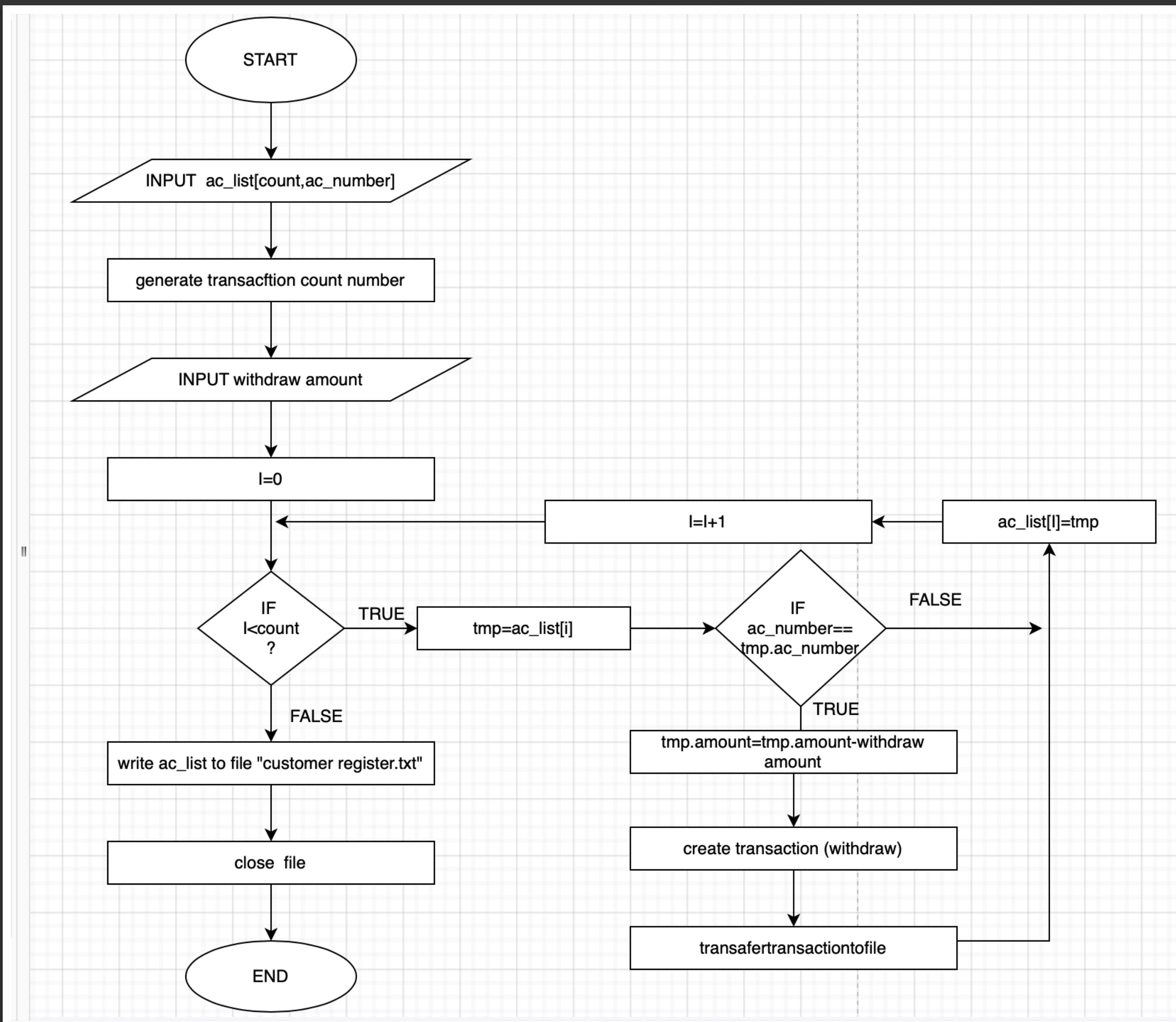
Flowchart for Deposit Section



Pseudocode for Withdraw Section

```
START
Open file transaction.txt
INPUT withdrawamount //amount to withdraw
Start of for loop
a=list[i]
IF AcNumber == tmp.AcNumber
IF amount < withdrawamount
Then Print 'less amount withdraw is not possible'
END
ELSE then
tmp.amount=tmp.amount-withdrawamount
Write in file transaction.txt
END of IF
End of IF
List [i]=a
End of for loop
Function call
END of withdraw menu
```

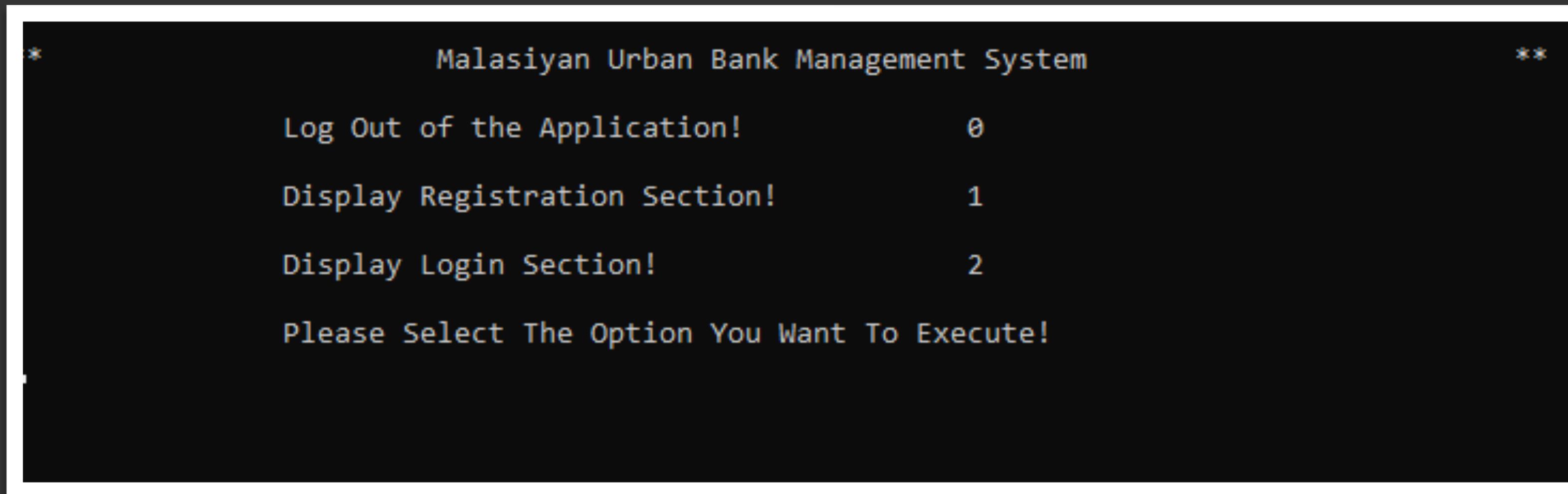
Flowchart for Withdraw Section



Application of Concepts

- Structure
- Arrays
- Functions
- Iteration Statement
- Validation
- File Handling
- Pointers

Application Outcomes



Main Menu

Displaying Registration Section

Log Out of The Program! 0

Display Admin Registration Section! 1

Display Clients Registration Section! 2

Please Select The Option You Want To Execute!

Please Enroll Admin Details

Please Enroll Admin Identification : license

Please Enroll Admin Identification Number : 12

Please Enroll Admin Name : aa

Please Enroll Admin Username : aa

Please Enroll Admin Password : aa

Please Enroll Admin Phone : 123

Please Enroll Admin Gender [1-Male, 2-Female, 3-Others] 1

Please Enroll Specific Role : Admin

Done! The Data is Written and Saved Successfully!

Displaying Registration Section

Log Out of The Program! 0

Display Admin Registration Section! 1

Display Clients Registration Section! 2

Please Select The Option You Want To Execute!

Please Enroll Admin Details

Please Enroll Admin Identification : license

Please Enroll Admin Identification Number : 12

Please Enroll Admin Name : aa

Please Enroll Admin Username : aa

Please Enroll Admin Password : aa

Please Enroll Admin Phone : 123

Please Enroll Admin Gender [1-Male, 2-Female, 3-Others] 1

Please Enroll Specific Role : Admin

Done! The Data is Written and Saved Successfully!

Exit the Program:

Display Admin Login: - 1

Display Clients Login: - 2

Please Select The Option You Want To Execute!

Please Enroll Admin Details!

Please Enroll Admin Username: aa

Please Enroll Admin Password: aa

Admin Login

Exit the Program:

Display Admin Login: - 1

Display Clients Login: - 2

Please Select The Option You Want To Execute!

2

Enroll Clients Information:

Enroll Clients Username:

ff

Enroll Clients Password:

ff

Client's Login

Clients Menu on Display!

| | | |
|-------------------------------|---|---|
| Exit the Program: | - | 0 |
| Display Deposit Section: | - | 1 |
| Display Withdraw Section: | - | 2 |
| Modify Personal Information : | - | 3 |
| Display Personal Information: | - | 4 |
| Display Transaction: | - | 5 |
| Display Account Details: | - | 6 |

Please Select The Option You Want To Execute!

1

Please Enter Amount of Deposit: 100000

Count: 2

Transaction Succeed!

Deposit Section

Clients Menu on Display!

| | | |
|-------------------------------|---|---|
| Exit the Program: | - | 0 |
| Display Deposit Section: | - | 1 |
| Display Withdraw Section: | - | 2 |
| Modify Personal Information : | - | 3 |
| Display Personal Information: | - | 4 |
| Display Transaction: | - | 5 |
| Display Account Details: | - | 6 |

Please Select The Option You Want To Execute!

2

Please Enter Amount of Withdraw: 20000

Count: 2

Transaction Succeed

■

Withdraw Section

```
C:\Users\Lenovo\Documents\sandesh.exe

Clients Menu on Display!

Exitthe Program: - 0
Display Deposit Section: - 1
Display Withdraw Section: - 2
Modify Personal Information : - 3

Display Personal Information: - 4
Display Transaction: - 5
Display Account Details: - 6

Please Select The Option You Want To Execute!
5

      Transaction List of Clients
Count Number: 1      Account Number: 1235      Amount: 10000.000000      Transaction Date: 14-3-2020      Type: d
Count Number: 2      Account Number: 1235      Amount: 100000.000000     Transaction Date: 14-3-2020      Type: d
Count Number: 46      Account Number: 0       Amount: 100000.000000     Transaction Date: -1934330647-32767--1934034432      Type: d
Count Number: 46      Account Number: 0       Amount: 1000.000000      Transaction Date: -1934330647-32767--1934034432      Type: d
Count Number: 46      Account Number: 0       Amount: 2000.000000      Transaction Date: -1934330647-32767--1934034432      Type: w
Count Number: 0      Account Number: 38       Amount: 10000.000000      Transaction Date: 0--800558251-32767      Type: d
Count Number: 0      Account Number: 38       Amount: 100000.000000     Transaction Date: 0--800558251-32767      Type: d
```

Transaction Display

| | | |
|---|---|---|
| Display Deposit Section: | - | 1 |
| Display Withdraw Section: | - | 2 |
| Modify Personal Information : | - | 3 |
| Display Personal Information: | - | 4 |
| Display Transaction: | - | 5 |
| Display Account Details: | - | 6 |
| Please Select The Option You Want To Execute! | | |

Identification: license
ID Number:12
Name: sandesh
Username: ss
Nationality: Nepal
Age: 19
Phone: 123
Account number: 1234
DOB: 9-11-1999
Gender: 1
Identification: license
ID Number:123
Name: sandesh
Username: dd
Nationality: Nepal
Age: 19
Phone: 1234
Account number: 1235
DOB: 9-11-1999
Gender: 1

Personal Details

In a Nutshell



Malaysian Urban Banking System

Made with C Programming

Usage of Programming Concepts (eg. Arrays, Functions, etc.)

Empowering Admin and Clients with Banking Privileges

BANKING SIMPLIFIED FOR YOU

Created with love by



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