

MINI-PROJECT REPORT

Bank Management System



L&T Technology Services

NAME: - Yuvalakshmi V R

PS NO: 40020668

TABLE OF CONTENTS

SERIAL No.	CONTENT	PAGE No.
1	Introduction	2
2	Features	3
4	4 W's 1H	3
4	SWOT Analysis	4
3	Requirements	5
4	Architecture	6-7
5	Test plan	8
6	Output	9-11

Introduction:

Bank management system is a project that manages and stores books information electronically according to customer's needs. The project is for monitoring and controlling the transactions in a bank and which mainly focuses on operations in a bank like to store data related to new account, transaction, editing of account information and viewing of account information.

Features of the project:

- (i) Creating new account – To create a new account
- (ii) Cash Deposit – To Deposit some amount in newly created account
- (iii) Cash withdrawal – To Withdraw some amount from your account
- (iv) Display Account information – It will display all informations of the existing accounts
- (v) Log out

4W's and 1'H

Who:

- Everyone can use the bank management system who want to have benefit of banking.

What:

- Previously it was inefficient due to prolonged time for entering N numbers of customer records manually.
- This project is mainly concerned to cover the major banking activities in single application.

When:

- With the increases of customers daily ,their data needs to be managed.

Where:

- This problem is faced in all the organisation across the world.

How:

- Implementation is done using C language. And also used multifile concept.

SWOT ANALYSIS

Strength	Weakness
<ul style="list-style-type: none"> • Access at any time • Saves a lot of time; • Faster transaction with lower costs • Convenience for customers • Competitive advantage for economies of scale • Provides better convenience and greater efficiency 	<ul style="list-style-type: none"> • Security issues in digital mode • Sensitivity to the global economy • The use of Internet banking depends on the availability of the Internet • Can only target specific customers
Opportunities	Threats
<ul style="list-style-type: none"> • Raising awareness of the benefits of digital banking among people • Integration of domestic banks with foreign markets • Better development in areas such as risk management • Developing a modern it base to avoid system failures and provide an efficient and secure platform for online transactions. 	<ul style="list-style-type: none"> • Any security-related issues or news may pose a threat • Tough competition • Global economic instability • Lack of effective rules • Lack of customer loyalty

Detail requirements

High Level Requirements:

ID	Description	Status (Implemented/Future)
HLR1	System Shall be able to open new Account	Implemented
HLR2	User shall Deposit Money	Implemented
HLR3	User shall Withdraw Money	Implemented
HLR4	User shall View Details	Implemented

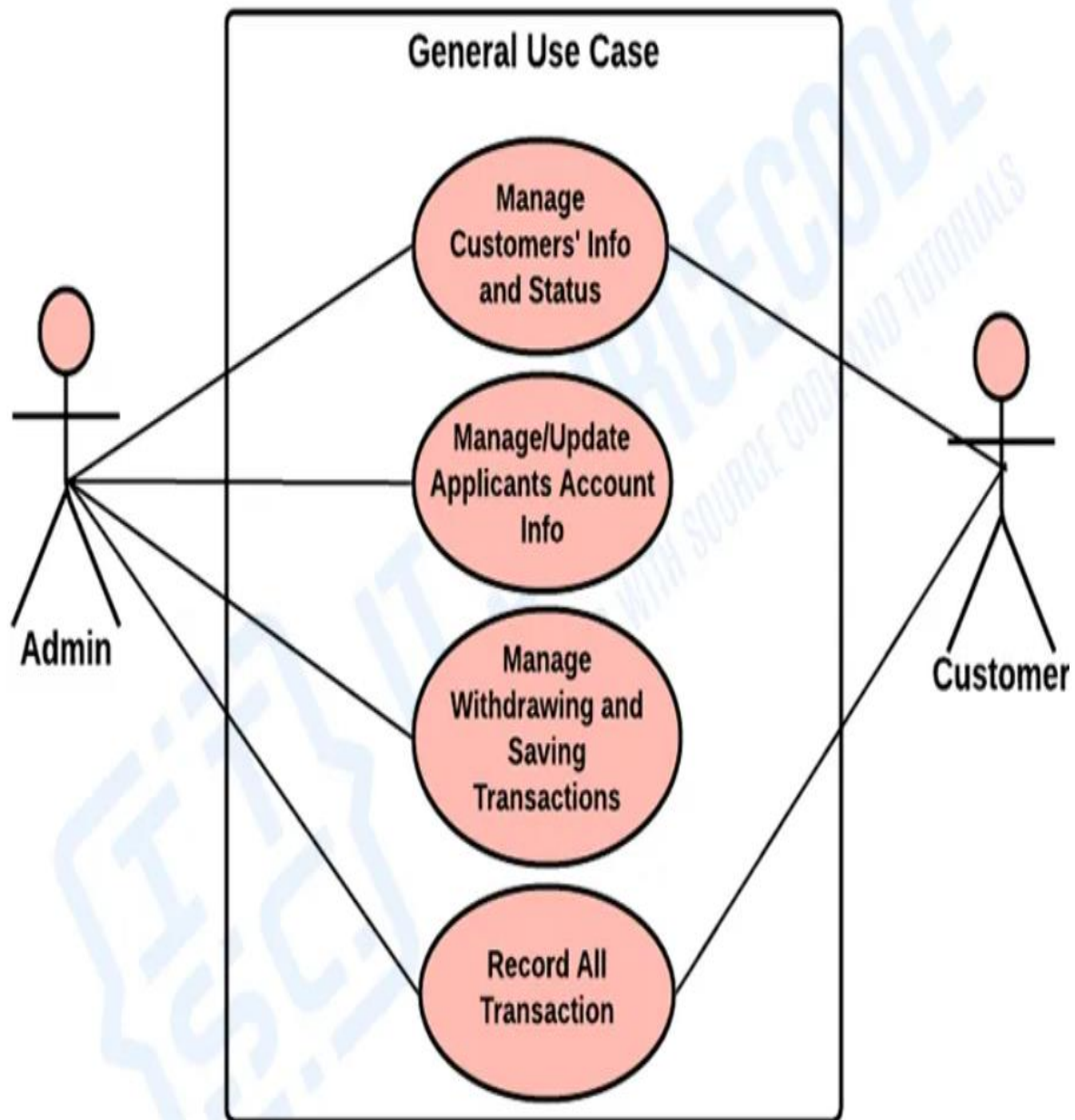
Low level Requirements:

ID	Description	Status (Implemented/Future)
LLR1	User can have transaction only if user has Account	Implemented
LLR2	System Shall be able to open new Account	Implemented

Architecture

High Level Design

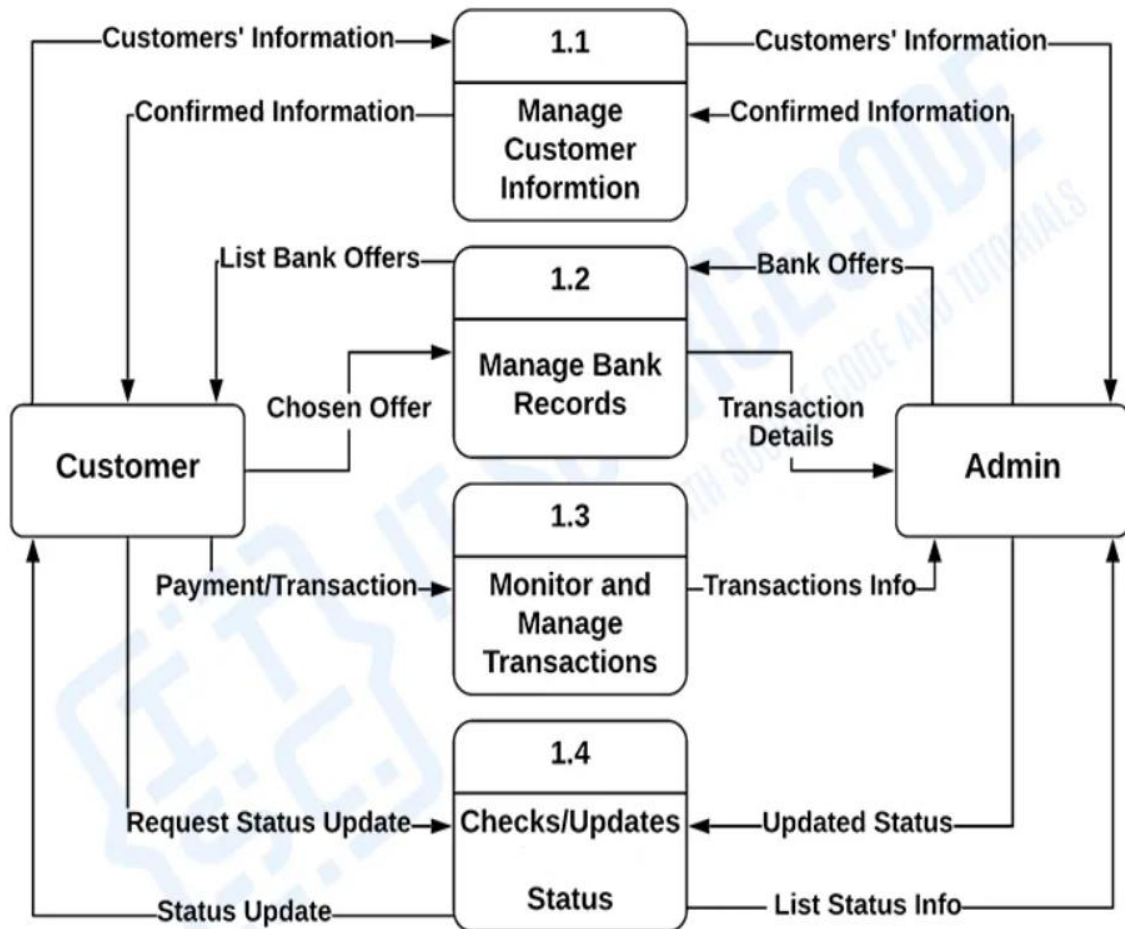
(i) Use case diagram



Low Level Design

(ii) Activity diagram

BANK MANAGEMENT SYSTEM



TEST PLAN:

High level test plan

Test ID	Description	Exp I/P	Exp O/P	Actual Out	Type Of Test
HLR1	Creation of new account	Name:abc Account Number:12345 Initial Deposit:1000	Account has been created successfully	Account has been created successfully	Requirement based
HLR2	Deposit Amount	1000	The current available bank balance is 2000	The current available bank balance is 2000	Requirement based
HLR3	withdraw Amount	3000	Sorry, You dont have enough money in your account	Sorry, You dont have enough money in your account	Requirement based

Low level test plan

Test ID	Description	Exp IN	Exp OUT	Actual Out	Type Of Test
LLR1	If user enters wrong Account Number.	000000000	Wrong account number...	Wrong account number...	Requirement based
LLR2	If wrong choice choosen	7	Invalid choice	Exit	Scenario based

OUTPUT

```
***** Welcome to Bank Application *****

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options <1/2/3/4/5/6> to continue : 1

Enter the bank name           : ICICI
Enter the bank branch         : Chennai
Enter the account holder name : Thiyagarajan
Enter the account number<1 to 10>: 1
Enter the account holder address : Namakkal

Account has been created successfully

Bank name           : ICICI
Bank branch         : Chennai
Account holder name  : Thiyagarajan
Account number       : 1
Account holder address : Namakkal
Available balance    : 0.000000

***** Welcome to Bank Application *****

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options
```

Please enter any options <1/2/3/4/5/6> to continue : 2
Enter the account number you want to deposit money : 1

The current balance for account 1 is 0.000000

Enter money you want to deposit to the account : 5000

The New balance for account 1 is 5000.000000

***** Welcome to Bank Application *****

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options <1/2/3/4/5/6> to continue : 4

Bank name : ICICI
Bank branch : Chennai
Account holder name : Thiyagarajan
Account number : 1
Account holder address : Namakkal
Available balance : 5000.000000

***** Welcome to Bank Application *****

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

```

Please enter any options <1/2/3/4/5/6> to continue : 3
Enter the account number you want to withdraw money : 1

The current balance for account 1 is 5000.000000

Enter money you want to withdraw from the account 1500

The New balance for account 1 is 3500.000000

***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options <1/2/3/4/5/6> to continue : 4

Bank name           : ICICI
Bank branch         : Chennai
Account holder name  : Thiyagarajan
Account number       : 1
Account holder address : Namakkal
Available balance    : 3500.000000

***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/

1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options <1/2/3/4/5/6> to continue : _

```