



L&T Technology Services

**MINI PROJECT
ON
BANK MANAGEMENT
SYSTEM**

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TABLE OF CONTENTS

Problem statement:-	3
Description	3
Research	3
Software Requirement	4
Functional Requirement	4
Test Case/ Test Plan:	5
Test Scenario	5
Test Data	5
ER Diagram of Banking System	6
Result Discussion:	6

Problem statement:-

To develop a mini project for improving financial applications of a customer in banking sector in order to meet the needs of the end users i.e. customers the bank by providing various features to perform different task and in a user friendly manner. The main motive of this project is to develop a demo of Banking system which provide different functionality. Taking deposits from their customers and issuing current or checking accounts and savings accounts to individuals and business. Facilitating money transactions such as wire transfer.

Description

The main object of this system is to provide a secure system. Our system is password protected and it only allows authorized user to access various functions available in the system.

Our system will help the user to Locate any A/C wanted by the user. It will Reduced manual work as most of the work done by computer. As all the manual work will be done automatically so it will increase work speed and reduce time consumption to complete any bank related work. It will also increase the work efficiency as few employees can handle more customers. This will reduced the manual workload and give information instantly.

The Project Banking system has been made to automate the Banking system. Through this bank management system user can manage all bank account activity like deposit money, withdraw money etc. Using this bank management system user can check his account detail online like balance in account, bank statement etc. This system is also help bank user to create New account easily. The project makes a sincere effort to provide all the below-mentioned features to meet the requirements of the bank.

Research

In 2018[1], “Bank Management system-A Review” was proposed by Pradnya Meshram, Kiran Gaware, Swati Bansod, Diksha Madwatkar, Piyush Anjankar. This article discusses complete review about banking system, issues and comparison among the different banking methods a computerized telecommunications device that provides the customers of a financial institution with access to financial transactions in a public space without the need for a human clerk or bank taller.

In 2015[2], “Bank Customers Management System-A Review” was proposed by Ebubeogu Amarachukwu Felix. This article discusses complete review about Bank L&T Technology Services

customers Management system provides a more secured approach in managing bank customer's information which strengthens the relationships between banks and their customers by providing the right solutions that uses a multi-level security to improve customer satisfaction.

Software Requirement

How the online banking will interact with the environment, what will be the functional and non-functional requirement. These all the steps should be defined here for providing a powerful base to the design phase. The design of the project will completely depend on the functional and non-functional requirements. So these should be defined clearly and accurately for the effectiveness.

- Operating system: Windows XP, 7, 8 or 10
- Editor: CodeBlocks version 20.3
- Programming language: C
- Compiler: MinGW compiler
- Memory: 256 MB

Functional Requirement

Following are the services which this system will provide. These are the facilities and functions required by the customer.

- a) Online balance check.
- b) Online editing account information.
- c) Online creating new account.
- d) Updating the data.
- e) Balance view.

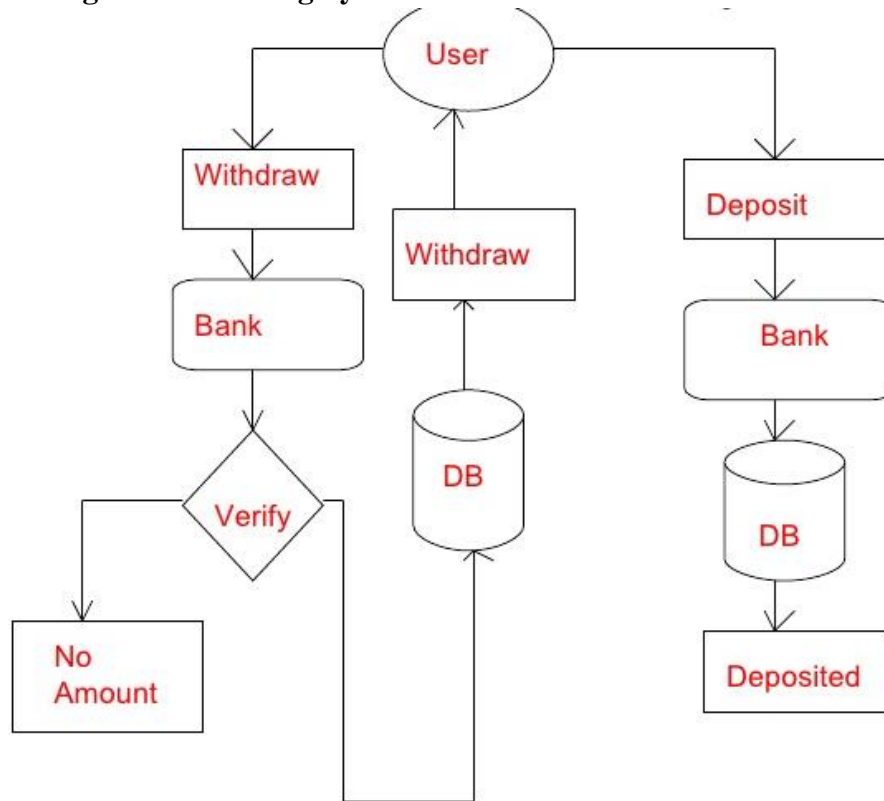
The source code for Customer Account Bank Management System is relatively short and easy to understand. I have divided this C mini project into many functions, most of which are related to different banking activities. Listed below are some of the more important functions which may help you understand the project better.

Test Case/ Test Plan:

Sl. No.	Test Scenario	Test Data
1.	<u>menu()</u>	This function displays the menu or welcome screen to perform different banking activities mentioned below.
2.	<u>new_acc()</u>	This function create new <u>customer</u> account. It asks for some personal and banking details of the customer such as name, date of birth, citizenship number, address and <u>phone number</u> . You can enter the amount to deposit and choose one type of deposit account – saving, current, fixed for 1 year, fixed for 2 years or fixed for 3 years.
3.	<u>view list()</u>	With this function, you can view the customer's <u>banking</u> information such as account number, name, address and phone number provided while creating the account.
4.	<u>edit()</u>	This function has been used for changing the address and phone number of a particular customer account.
5.	<u>transact()</u>	With this function, you can deposit and withdraw money to and from a particular customer account.
6.	<u>erase()</u>	This function is for deleting a customer account.
7.	<u>see()</u>	This function shows account number, name, date of birth, citizenship number, age, address, phone number, type of account, amount deposited and date of deposit. It also displays the amount of interest corresponding to a particular account type.

In this bank management system project in C, file handling has been used for almost all functions. File has been used to store data related to new account, transaction, editing of account information and viewing of account information. I haven't used file handling for the menu, interest calculation and password.

ER Diagram of Banking System



Result Discussion:

In this project we have automate the bank process like Account Opening, Daily Transactions, Account verification by providing password , Account Maintenance. In this bank management system use can also search record of a particular Account Holder. Through this software any new user can create their new bank account and the already existing users can update, remove and check details of their bank account. It also provides the user an effective way to deposit and withdraw money.