
# Delhi Technological University

## Progress report for MTE

## On

# Banking Management system


### Submitted by:

1. **Jacob Ajak Makuach Abuol**

   **(2k20/SE/63)**

2. **Samuel Nabiyu (2k20/SE/84)**

### Submitted to:

**Mr. Rahul**

## Department of Software engineering

## INTRODUCTION

The main objective of the project is to develop a Banking system for banks. In present system all banking work is done manually. User have to visit bank to Withdrawal or Deposit amount. In present bank system it is also difficult to find account information of account holder. In this bank management system, we will automate all the banking process. In our bank management system user can check his balance online and he can also transfer money to other account online. In this Software you can keep record for daily Banking transactions. The main purpose of developing bank management system is to design an application, which could store bank data and provide an interface for retrieving customer related details with maximum accuracy.

This bank management system also allow user to add new customer account, delete account and user can also modify existing user account information. Using this system user can also search any individual account in few seconds. Using our bank management system user can also check any translation in any account. Our system also provides security check to reduce fraud. The system will check the user's existence in the database and provide the set of services with respect to the role of the user.

## OBJECTIVES

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 reduce 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, transfer money from one account to another account, online payment etc. Using this bank management system user can check his account detail online like balance in account, bank statement etc. The Administrator can check bank account with a login can work out with A/C holders of the bank can withdraw/ deposit cash / cheque /DD to/from their accounts. 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.

In this project we have automate the bank process like Account Opening, Daily Transactions, Account Maintenance. In this bank management system user can also search record of a particular Account Holder.

# FEASIBILITY STUDY

The only tangible benefit provided by the proposed system in that the work is reduced to the minimum and hence the reduction in cost incurred on stationery and its storage. The system provides many benefits that can't be measured in terms of money for example user's friendliness, more user response being more efficient.

## Technical feasibility

The proposed system is technically feasible as it can be developed easily with the help of available technology. The proposed system requires code blocks and DEVC++ for programming and back-end as MySQL server for storing and maintaining database. The database can easily be interconnected using MySQL server.

## Operational feasibility

Automation makes our life easy. The system is highly user friendly and is much easily able to interact with the system. Therefore, the users will readily accept the system as data entry and making queries can be easily done.

# System requirements

## Hardware specifications

Hardware is a set of physical components, which performs the functions of applying appropriate, predefined instructions. In other words, one can say that the electronic and mechanical parts of computer constitute hardware. This package is designed on powerful programming language c++. It is a powerful graphical user interface. The backend is access, which is used to maintain database. It can run on almost all the popular microcomputers. Minimum hardware specifications for a personal computer to run this package are as follow:

Pentium VI processor

RAM 512MB

HDD capacity 2GB

We used the above hardware tools for increased speed, reduced complexity and for improved productivity.

## Software requirements

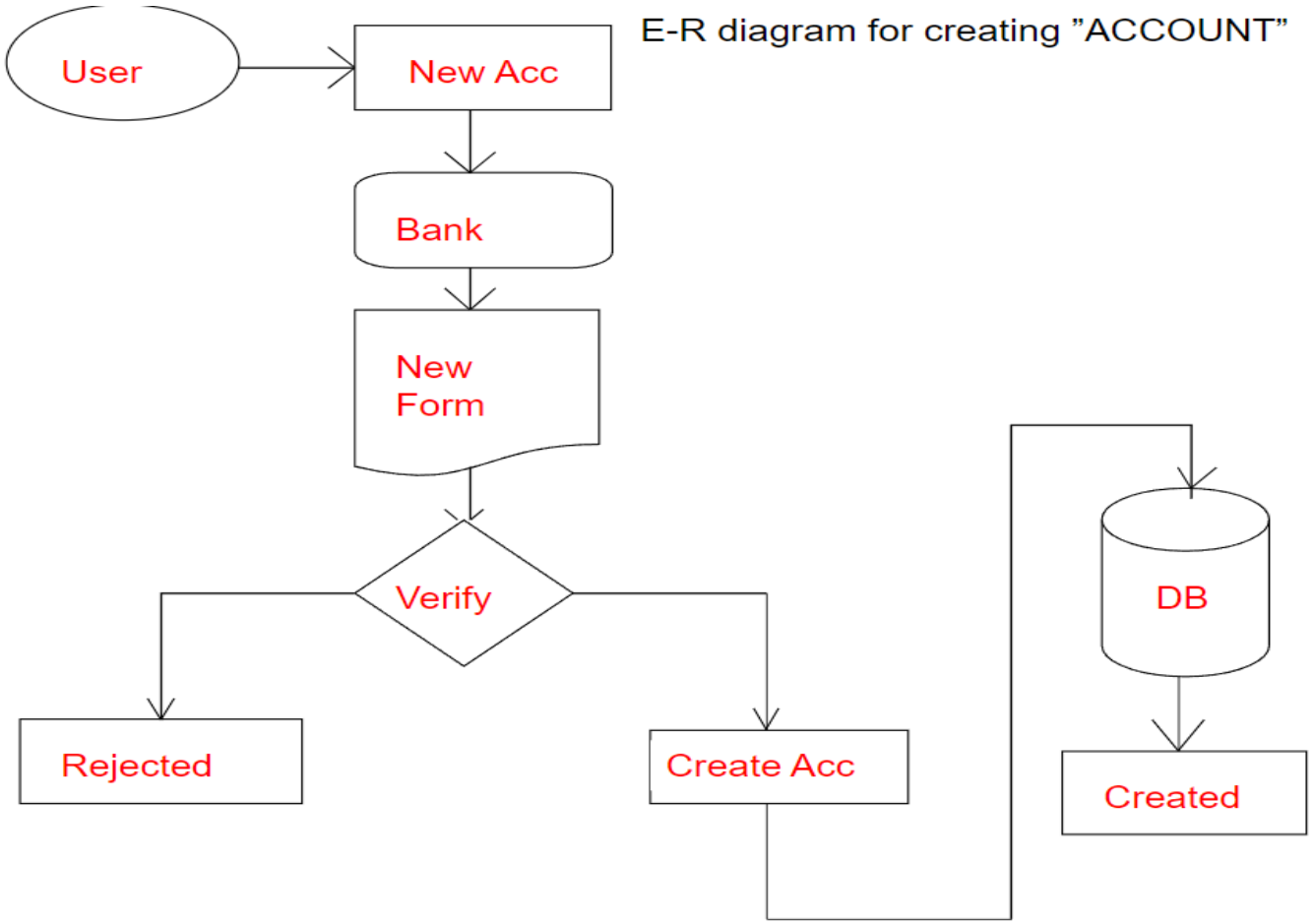
The software is a set of procedures of coded information or a program which when fed into the computer hardware, enables the computer to perform the various tasks. Software is like a current inside the wire which can’t be seen but its effect can be felt.

Operating system: windows

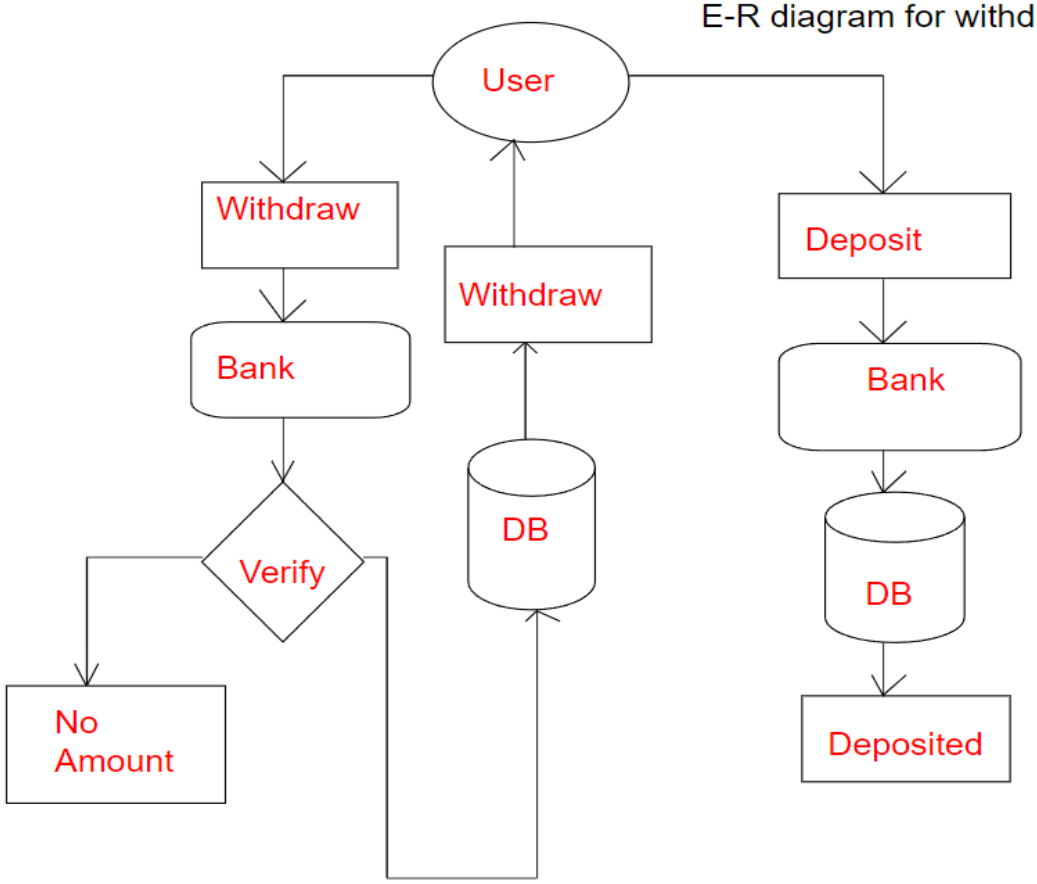
Application Software: application software users frontend built in c++ and backend MySQL server for database access etc.

## Data flow diagram for bank management system

E-R diagram for creating "ACCOUNT"




E-R diagram for withdraw "ACCOUNT"



## Module's description

| | |
|---|---|
| Login | Allow users and administrators to enter their details in order to access the system. |
| Create account | Opens new account by accepting inputs such as account userID, password, account number. |
| transfer | This module allows users to transfer cash from one account to another. |
| withdraw | Customers are able to withdraw cash whenever they need to |
| deposit | This module is for cash deposit |
| Create pin | This module is for creating a pin for the system users |
| Display details | Displays the list of accounts with all the details. |
| Display transactions | Allows the users to check all the transactions they have made |
| Forgot password | Sometimes, customers forget their passwords, this module help them to solve this problem |

Below are the **snapshots** from the system. We shall continue to update and make further developments as we work on the final system.



Conclusively, we shall continue adding more into the system for the common good of the customers and the administrators. We shall put into account every aspect of the problem being solved by the system for a better and absolutely productive outcome.