

MINI PROJECT - I



DEPARTMENT OF COMPUTER ENGINEERING AND TECHNOLOGIES.

SYNOPSIS ON **BANK MANAGEMENT** **SYSTEM**

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INTRODUCTION

The banking management system sector has seen some greatest expansion in the past year and with the number of customer interactions increasing the day it has totally all the records in the database. When it comes to managing the money or valuable assets it automatically becomes a crucial matter for the service provider and the client as well for the trustworthiness.

The banking management system is one of the most complex systems because the things it covered under the roof for transparency among the customers. From managing the customer information, account information to the transaction happening every minute or second. It does not only preserve the details of the transaction and other information but generates the report to further banking functions.

In this banking management system, there are many operations that are automated which ease the work for the working of the bank. This reduces the requirement for manual labor and the automated tasks will be error-free as they will only work as they are programmed whereas doing work manually there is always a possibility of human error.

Develop a project for resolving a customer's financial applications in a banking environment in order to meet the needs of an end banking user by giving multiple ways to complete banking chores. Additionally, to provide additional features to the user's work space that are not available in a traditional banking project.

The project's Bank Management System is built on cutting-edge technologies. This project's main goal is to create software for a bank account management system. This project was created to make it simple and quick to complete processes that were previously impossible with manual systems and are now possible with this software

Creating and managing requirements is a difficulty for IT, systems, and product development projects, as well as any other activity involving a contractual agreement. Organizations must successfully design and manage requirements to ensure that they are meeting client expectations while also demonstrating compliance, remaining on schedule, and staying within budget. A poorly articulated requirement might cause a company to fall out of compliance.

The application will be extremely beneficial for the customers intending to use and operate their bank account and will get various benefits in the field of management of accounts on a clean and user friendly platforms.

EXISTING SYSTEM

The existing bank system is slow as every task is being performed by the human being and comparing the computer task speed with a computer is not fair.

The complexity of this system is increased when an increase in the number of customers and with that there will be a number of transactions will be performed now everything needs to log in to a file for reference in the future which is simply not the kind of scenario we need at this time.

Some other drawbacks of the existing system are:

- Less security of customer and bank information.
- Require more physical work and manpower.
- All the manual entry and editing will take more time.
- No level of clearance for the different levels of employees.
- Safety of paper documents from the disaster.
- No backup of the information.

By looking at disadvantages these are pretty serious for any banking system as they are capable of bringing down the whole system.

By digitalization in the banking system, it will not only achieve its goals and also will give some benefits like less manual calculation will be required.

USE OF THE PROJECT

This project has lot of advantages like offline banking system.

- New users can Create Account
- Able to Transfer Money from others
- Balance Enquiry
- Get Transaction Statements.
- Request Debit Card/Cheque Book
- UPI Payments
- E-Passbook
- Account Full Details like Ac.No, IFSC code, mobile number etc..

Feasibility of Project

The only tangible benefit provided by the proposed system is that the paper work is reduced to the minimum and hence the reduction in cost is incurred on stationary and its storage. The system provides many benefits that can't be measured in terms of money.

→Technical Feasibility :

The proposed system is technically feasible as it can be developed easily with the help of available technology.

The proposed system requires Java language with back end as MySQL database.

→Operational Feasibility :

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

FUNCTIONAL SPECIFICATION

The system's major goal is to increase performance by automating all financial processes and realizing the ideal of paperless banking. The following are the key aspects of the proposed bank management system.

Any information can be simply searched with this bank management system. The user has access to all of the customer's information.

This system allows users to create new customer accounts and keep their data in an efficient and effective manner. All account and client records are kept in separate folders. Which are regularly updated by the system.

With ease, manage a huge number of customer details. It is possible to change certain A/c information. By giving an A/c number, a customer record can be changed for one or more fields, such as customer name and address.

Using this system user can create new customer account and maintain its data efficiently and effectively. All records of account and customer are stored in separate files which are maintained constantly update by system.

Provide a statistical report to facilitate the work of finance department personnel. Updating, editing and deleting customer records should be easier. An account number can be provided to delete customer records.

This project has three modules. Every module has restrictions and permissions, and none of them are interrupted.

- Admin Module
- Staff Module
- Customer Module

ADMIN MODULE :-

The admin module has several features like all permissions that they have and can do anything from customers and staffs. Employees in the bank are given all permissions to do their jobs even in the presence of customers. Then the company will be able to easily share the benefits of their product with their users.

STAFF MODULE:-

Bank employees are given more access permissions than administrative staff. Both have the same features - work just watches employees' activities and transactions. Staff work requests are like approving customers, account opening requests, and helps to deposit cash from the bank.

CUSTOMER MODULE:-

Customers have no extra added permissions. They can only view their transactions and download their transaction statement, check their account balance and request a debit card.

PICTURING THE PROJECT

CUSTOMER REGISTRATION

Account ID :	<input type="text"/>	NID :	<input type="text"/>
Password :	<input type="text"/>	Name :	<input type="text"/>
Join Date :	<input type="text"/>	Phone number :	<input type="text"/>
Account Type :	<input type="text"/>	Date of Birth :	<input type="text"/>
Nationality :	<input type="text"/>	Address :	<input type="text"/>

Clear
Register

Banking System

Update Logout

Dash Board

CUSTOMER FIELD

- CUSTOMER LIST
- SEARCH CUSTOMER
- CREATE CUSTOMER ACC.
- Total Balance
- All Transaction History

EXECUTIVE FIELD

- OFFICER LIST
- SEARCH OFFICER
- CREATE OFFICER ACC

Officer Search and Update

Search

Executive ID:	<input type="text"/>
Name:	<input type="text"/>
Password:	<input type="text"/>
Designation :	<input type="text"/>
NID:	<input type="text"/>
Date Of Birth:	<input type="text"/>
Join Date:	<input type="text"/>
Nationality :	<input type="text"/>
Phone Number:	<input type="text"/>
Address :	<input type="text"/>

Update

Banking System

ABD Logout

Current Account Summery

Account ID : 00000

Name : ABD

Amount : \$1000000000

Dashboard

- ACCOUNT DETAILS
- WITHDRAW CASH
- TRANSFER MONEY
- TRANSACTION HISTORY

ACCOUNT DETAILS

WITHDRAW CASH

Banking System

ABD

Dash Board

CREATE LIST

Customer List

Search Account

User Balanced Table

Total Transaction History

Deposit Money

Transfer Money

User Search and Update

Search

Account ID:	<input type="text"/>
Name:	<input type="text"/>
Password:	<input type="text"/>
Account Type:	<input type="text"/>
NID:	<input type="text"/>
Date Of Birth:	<input type="text"/>
Join Date:	<input type="text"/>
Nationality :	<input type="text"/>
Phone Number:	<input type="text"/>
Address :	<input type="text"/>

Update

Software Specification:

- Technology Implemented : JAVA WITH MYSQL
- Language Used : JAVA
- Database : MYSQL
- Web Browser : Chrome / Edge

Hardware Requirements:

- Processor : INTEL CORE i5
- Operating System : WINDOWS 10
- RAM : 4GB
- Hardware Devices : COMPUTER SYSTEM
- Hard disk : 64GB

FUTURE SCOPE

- It is possible to go further with online banking.
- Various branches and contact centers are available for Account holders to contact.
- In addition to creating web pages, we can create a banking website for Internet transactions.
- To entice account holders to stay with us during festival months, we can offer a variety of offers.
- Our goal is to focus more and more on customer service to enhance customer satisfaction.
- Also, we can handle a variety of banking transactions.