Bank Management System

A Mini Project

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Aim of the project:-

The main aim of the project is to develop an online Banking system for banks. In present system all banking work is done manually. User have to visit bank to Withdraw or Deposit amount. In present bank system it is also difficult to find account information of account holder.

This project is focused on customer account services in bank, so it is named "Customer Account Bank Management System". Here, you can create a new account, update information of an existing account, view and manage transactions, check the details of an existing account, remove existing account and view customers' list.

Abstract of my project:-

Abstract Requirements definition and management is recognized as a necessary step in the delivery of successful systems and software projects, discipline is also required by standards, regulations, and quality improvement initiatives. Creating and managing requirements is a challenge of IT, systems and product development projects or indeed for any activity where you have to manage a contractual relationship. Organization needs to effectively define and manage requirements to ensure they are meeting needs of the customer, while proving compliance and staying on the schedule and within budget. The impact of a poorly expressed requirement can bring a business out of compliance or even cause injury or death. Requirement's definition and management is an activity that can deliver a high, fast return on investment. The BANK MANAGEMENT SYSTEM undertaken as a project is based on relevant technologies. The main aim of this project is to develop software for bank management system. This project is to develop software for bank management system. This project has been developed to carry out the processes easily and quickly, which is not possible with the manuals systems, which are overcome by this software. This project is developed using VB language and. Hence it provides the complete solution for the current management system.
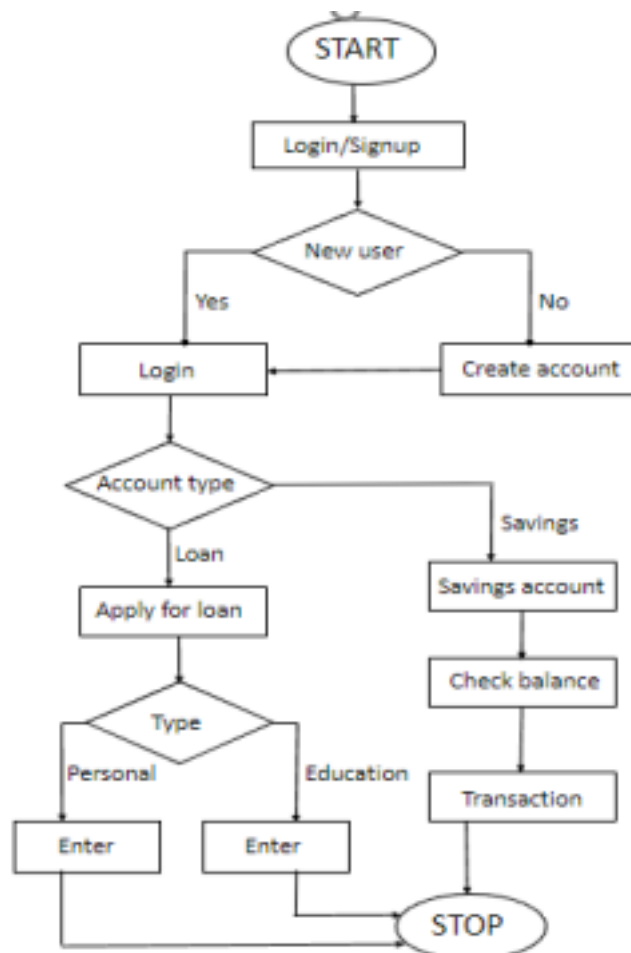
Algorithm of the project:-
▪ Start the program
▪ Select the login/signup functionality ▪ If the

user is new then go to create account ▪ Else go to login page
▪ Select the account type
▪ If savings selected, check the balance ▪ Select if any transactions required ▪ Else loan type selected, then ask type of loan ▪ If personal selected press enter
▪ Else education selected press enter ▪ End the program.

Flowchart of the program :-

Source code:-

```c
#include<stdio.h>


int flag =0;
int logout_ =0;

void login(void);
void signup(void);
void accounttype(char name[50]);
void Loan(char name[50]);
void Savings(char name[50]);
void logout(void);

int main()
{
    int l_sp;
    printf("Hello user, Welcome!\n\n\t\t");
    printf("Press '1' for login\n\t\tPress '2' for sign up\n");
    scanf("%d",&l_sp);
    if(l_sp == 1)
    {
        login();
    }
    else if(l_sp == 2)
    {
        signup();
    }
    return 0;
}
void login()
{
    char namea[50];
    char password[50];
    printf("Enter your Full name : \n");
    scanf("%S",namea);
    printf("Enter password : ");
    scanf("%s",password);
```

```c
    if(namea=="pavankumar" && flag%2 !=0)
    {
        printf("User Not Exists.. Please signup\n");
    }
    else
    {
        accounttype(namea);
    }
}
void signup()
{
    char name[50];
    char password[50];
    char email[50];
    char DOB[50];
    printf("Enter your Full name : \n");
    scanf("%S",name);
    if(name == "varunkumar")
    {
        printf("User Already exists will redirect to login
page......");
    }
    if(name == "pavankumar")
    {
        flag++;
    }
    printf("Enter password :  \n");
    scanf("%s",password);
    printf("Enter your email:  \n");
    scanf("%s",email);
    printf("Enter your DOB:  \n");
    scanf("%s",DOB);


}

void accounttype(char name[50])
{
    printf("Please enter the Account type:\n");
    char acc_typ[100];
    scanf("%s",acc_typ);
    if(acc_typ[0] == 'L')
```

```c
    {
        printf("You have selected Loan account\n");
        Loan(name);
    }
    else if(acc_typ[0]=='S')
    {
        printf("You have selected Savings account\n");
        Savings(name);
    }
    else
    {
        printf("Wrong entry found.. Please Enter valid account type
again\n");
        //accounttype(name);
    }
}

void Loan(char name[100])
{
    printf("please select the type of loan you are requesting
for:\n");

    char loantype[100];
    scanf("%s",loantype);

    if(loantype[0] == 'P')//personal
    {
        if(name[0] == 'v')
        {
            printf("You are not eligible for the personal loan\n");
        }
        if(name[0] == 'p')
        {
            printf("You are eligible for the personal loan upto
50000\n");
        }
        else
        {
            printf("Please contact branch manager for your loan
approval\n");
            Loan(name);
        }
```

```c
        printf("To logout enter 1 or to go to savings account enter
2\n");

        scanf("%d",&logout_);

        if(logout_ == 1)
        {
            logout();
        }
        else
        {
            Savings(name);
        }
    }
    if(loantype[0] == 'E')//Education
    {
        if(name[0] == 'p')
        {
            printf("You are not eligible for the Education loan\n");
        }
        if(name[0] == 'v')
        {
            printf("You are eligible for the Education loan upto
50000\n");
        }
        else
        {
            printf("Please contact branch manager for your loan
approval\n");
        }
    }
    else
    {
        printf("please select correct loan type or contact branch
manager for eligibility process\n");
    }
}


void Savings(char name[100])
{
    printf("Enter 1 to check balance, 2 for transaction\n");
```

```c
    int choice;
    scanf("%d",&choice);
    if(choice == 1)
    {
        printf("50010 rupees\n");
    }
    else if(choice == 2)
    {
        printf("Enter account number:\n");
        int accountnumber;
        scanf("%d",&accountnumber);
        printf("Enter amount:\n");
        int amount;
        scanf("%d",&amount);
        printf("Amount transferred successfully");

    }
    logout();
}

void logout()
{
    printf("Loggedout sucessfully");
}
```

Screenshots:-

```
                 Press '1' for login
                 Press '2' for sign up
2
Enter your Full name :
pavankumar
Enter password :
pavankumar
Enter your email:
pavankumar@gmail.com
Enter your DOB:
01072003


Process finished with exit code 0
```

```
                 Press '1' for login
                 Press '2' for sign up
1
Enter your Full name :
varunkumar
Enter password :varunkumar
 Please enter the Account type:
Loan
You have selected Loan account
please select the type of loan you are requesting for:
Education
You are eligible for the Education loan upto 50000


Process finished with exit code 0
```

```
                Press '1' for login
                Press '2' for sign up
1

Enter your Full name :
varunkumar

Enter password :varunkumar
 Please enter the Account type:
Savings
You have selected Savings account
Enter 1 to check balance, 2 for transaction
1

50010 rupees
Loggedout sucessfully
Process finished with exit code 0
```

```
                Press '1' for login
                Press '2' for sign up
1

Enter your Full name :
varunkumar

Enter password :varunkumar
 Please enter the Account type:
Savings
You have selected Savings account
Enter 1 to check balance, 2 for transaction
2

Enter account number:
123456
Enter amount:
10000
Amount transferred successfullyLoggedout sucessfully
Process finished with exit code 0
```

Conclusion:-

Bank management system is a virtualization of transactions in banking system. The banking system are used manual working but when we used online banking system it is totally virtualization process which avoid manual process and converts it in automatic process . If user can make a transaction in bank management system it is available in any were also user can link aadhar with account, change branch location easily. Bank management system is saving the time with accuracy than bank manual system.