

MODEL INSTITUTE OF **ENGINEERING AND** **TECHNOLOGY**

BACHELOR OF TECHNOLOGY

(COMPUTER SCIENCE ENGINEERING)

ONLINE BANK MANAGEMENT SYSTEM

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ACKNOWLEDGEMENT

Through this section of my report, I want to present my gratitude towards my institute MIET, from where I pursued my internship and gained an experience worth to enhance my credibility for my career. Being able to work on projects, that require you to analyze and solve a problem that exists in real world, is an experience that one can achieve rarely, and I am happy and thankful to get that chance here.

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INTRODUCTION

Online banking allows a user to conduct financial transactions via the Internet. Online banking is also known as Internet banking or web banking. Online banking offers customers almost every service traditionally available through a local branch including deposits, transfers, and online bill payments. Virtually every banking institution has some form of online banking, available both on desktop versions and through mobile apps.

KEY TAKEAWAYS

- Online banking allows a user to conduct financial transactions via the Internet.
- Consumers aren't required to visit a bank branch in order to complete most of their basic banking transactions.
- A customer needs a device, an Internet connection, and a bank card to register. Once registered, the consumer sets up a password to begin using the service.

PHASES OF PROJECT

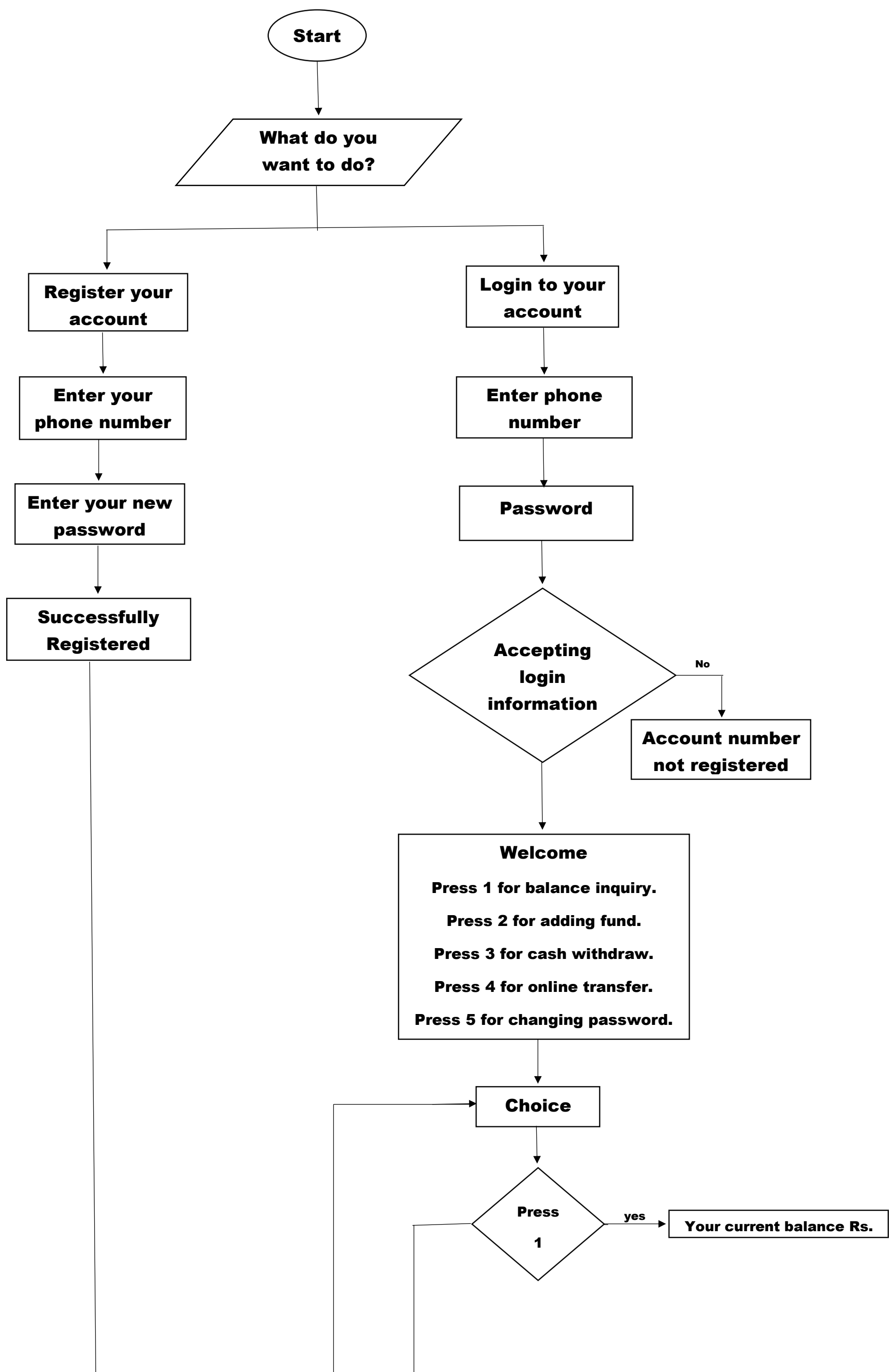
- 1.FLOWCHARTASHU AND JAGJOT
- 2.CODE..... JAGJOT, ASHU, ANKUSH, GURJOT
- 3.PRESENTATION.....GURJOT AND ANKUSH

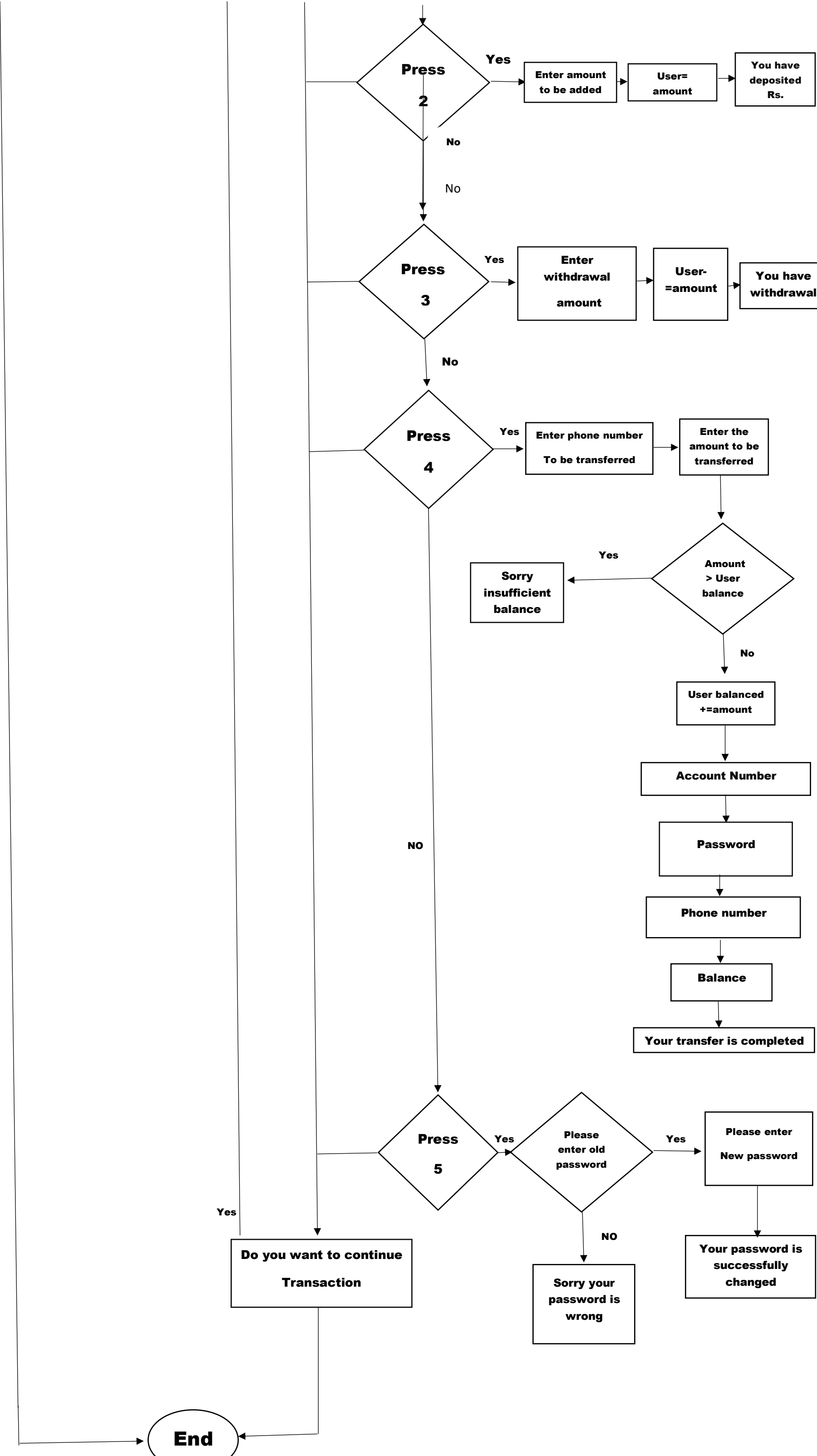
PROBLEM STATEMENT

The main reason behind developing this project is the problems which were faced by the accountholders, Employees of the bank because of shortage of time and convenience.

1. Banks are usually only open Monday through Friday from 9 am to 5pm. These hours may be convenient for the bank tellers and workers but with a normal full time job, these hours are difficult for the customers of the banks .
2. It was difficult for the bank to handle the several customers and their account management.

FLOW CHART





TECHNICAL DETAIL

```
#include<stdio.h>
```

```
#include<string.h>
```

```
#include<stdlib.h>
```

```
struct user {
```

```
    char phone[100];
```

```
    char ac[100];
```

```
    char password[100];
```

```
    float balance;
```

```
};
```

```
int main(){
```

```
    struct user usr,usr1;
```

```
    FILE*fp;
```

```
    char
```

```
filename[50],phone[50],pword[50];
```

```
    int opt,choice;
```

```
    char cont='y';
```

```
    float amount;
```

```
    printf("\nChoose your option");
```

```
    printf("\n\n1. Create an account");
```

```
    printf("\n\n2. login to account");
```

```
    printf("\n\nYour choice:\t");
```

```
    scanf("%d",&opt);
```

```
if(opt==1){
    system("cls");
    printf("Enter your account number:\t");
    scanf("%s",usr.ac);
    printf("Enter your phone number:\t");
    scanf("%s",usr.phone);
    printf("Enter your password:\t");
    scanf("%s",usr.password);
    usr.balance=0;
    strcpy(filename,usr.phone);
    fp=fopen(strcat(filename,".dat"),"w");
    fwrite(&usr,sizeof(struct user),1,fp);
    if(fwrite!=0){
        printf("\n\nACCOUNT SUCCESSFULLY REGISTERED");
    }else{
        printf("\n\nSOMETHING WENT WRONG PLEASE TRY AGAIN");
    }
    fclose(fp);
}

if(opt==2){
    system("cls");
    printf("\nPhone number:\t");
    scanf("%s",phone);
    printf("Password:\t");
    scanf("%s",pword);
    strcpy(filename,phone);
    fp=fopen(strcat(filename,".dat"),"r");
```

```
if(fp==NULL){
printf("\nAccount not Registered");}
else{
fread(&usr,sizeof(struct user),1,fp);
fclose(fp);
if(!strcmp(pword,usr.password)){
    printf("\n\tWELCOME %s",usr.phone);
while(cont=='y'){
    system("cls");
    printf("\nPress 1 for balance inquiry");
    printf("\nPress 2 for depositing cash");
    printf("\nPress 3 for cash withdraw");
    printf("\nPress 4 for online transfer");
    printf("\nPress 5 for password change");
    printf("\n\nYour choice:\t");
    scanf("%d",&choice);

    switch(choice){
        case 1:
            printf("\nYour current balance is
Rs.%.2f",usr.balance);
            break;
        case 2:
            printf("\nEnter the amount:\t");
            scanf("%f",&amount);
            usr.balance += amount;
            fp=fopen(filename,"w");
```

```
fwrite(&usr,sizeof(struct user),1,fp);  
if(fwrite!=NULL) printf("\nSuccessfully Deposited.");  
fclose(fp);  
break;
```

case 3:

```
printf("\nEnter the amount:\t");  
scanf("%f",&amount);  
usr.balance-=amount;  
fp= fopen(filename,"w");  
fwrite(&usr,sizeof(struct user),1,fp);  
if(fwrite!=NULL) printf("\nSuccessfully Withdrwal");  
fclose(fp);  
break;
```

case 4:

```
printf("\nPlease enter the phone number to tansfer  
the balance:\t");  
scanf("%s",phone);  
printf("\nPlease enter the amount to tansfer:\t");  
scanf("%f",&amount);  
strcpy(filename,phone);  
fp=fopen(strcat(filename,".dat"),"r");  
if(fp==NULL) printf("\nAccount number not  
registered");  
else{  
    fread(&usr1,sizeof(struct user),1,fp);  
    fclose(fp);  
    if(amount>usr.balance) printf("\nInsufficient  
balance");
```

```

else{
    fp=fopen(filename,"w");
    usr1.balance+= amount;
    fwrite(&usr1,sizeof(struct user),1,fp);
    fclose(fp);
    if(fwrite!=NULL){
        printf("\nYou have successfully transfered
Rs.%2f to %s",amount,phone);
        strcpy(filename,usr.phone);
        fp=fopen(strcat(filename,".dat"),"w");
        usr.balance-=amount;
        fwrite(&usr,sizeof(struct user),1,fp);
        fclose(fp);
    }
}
break;

```

case 5:

```

printf("\nPlease enter your new password:\t");
scanf("%s",pword);
fp=fopen(filename,"w");
strcpy(usr.password,pword);
fwrite(&usr,sizeof(struct user),1,fp);
if(fwrite!=NULL)
    printf("\nPassword successfully changed");
}
break;

```

default:

```
        printf("\nInvalid option");

    }

    printf("\nDo you want to continue the transaction
[y/n]\t");

    scanf("%s",&cont);

}

}

else{
printf("\nInvalid Password");

}

}

}

return 0;

}
```

TEST (OUTPUT)

1. EXECUTION OF CODE AND OPTIONS:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Choose your option
1. Create an account
2. login to account
Your choice:
```

2. REGISTER ACCOUNT:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Enter your account number: 9103256
Enter your phone number: 987654
Enter your password: PASSWORD

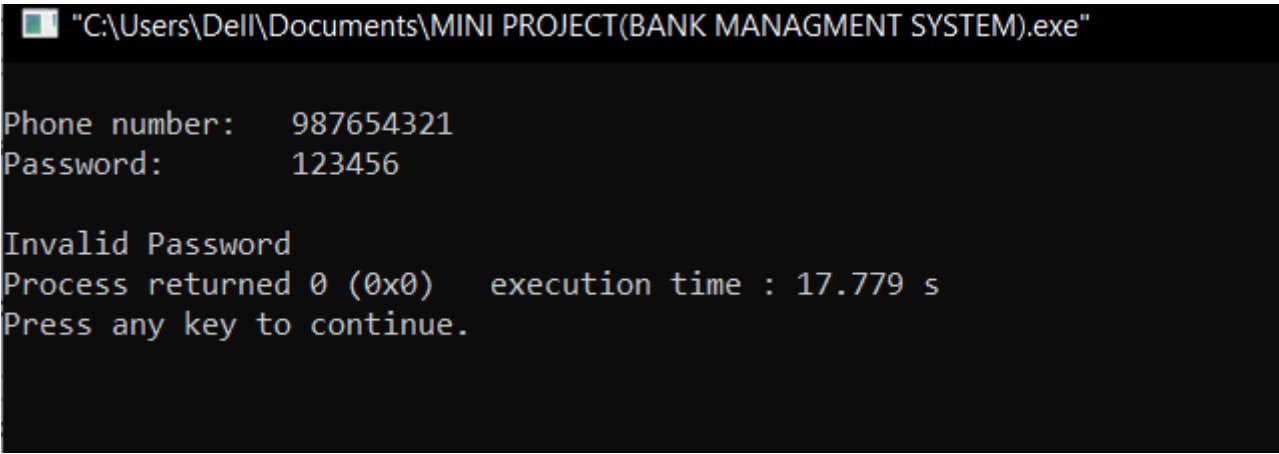
ACCOUNT SUCCESSFULLY REGISTERED
Process returned 0 (0x0) execution time : 42.336 s
Press any key to continue.
```

3. LOGIN INTO PRE-REGISTERED ACCOUNT:

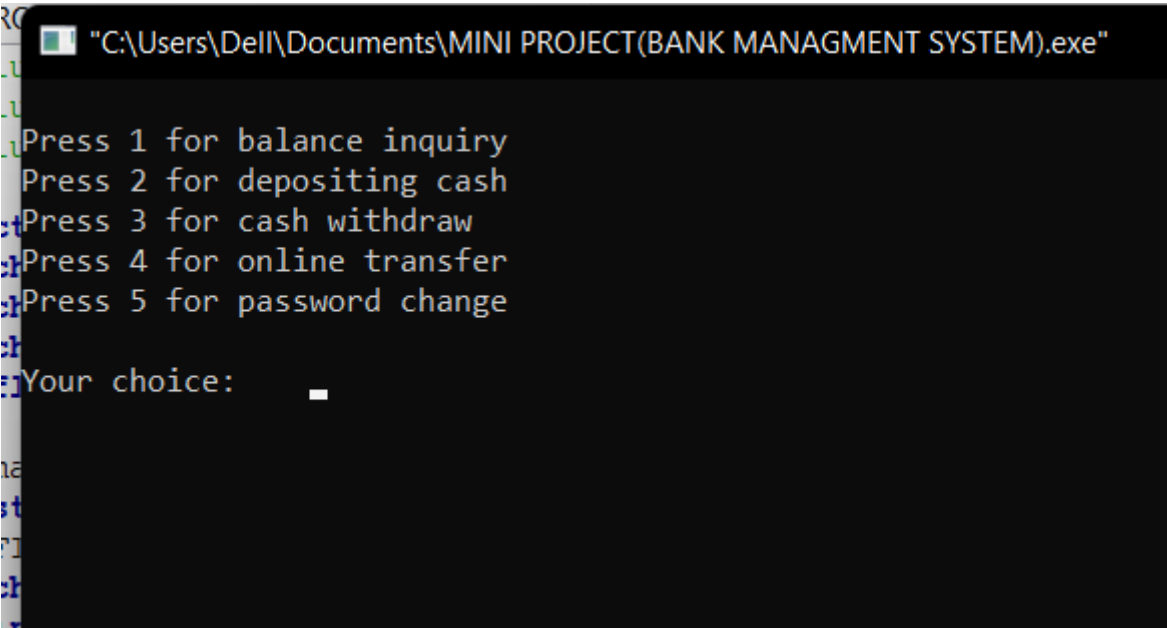
```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Phone number: 9103269956
[Password: legend_
```

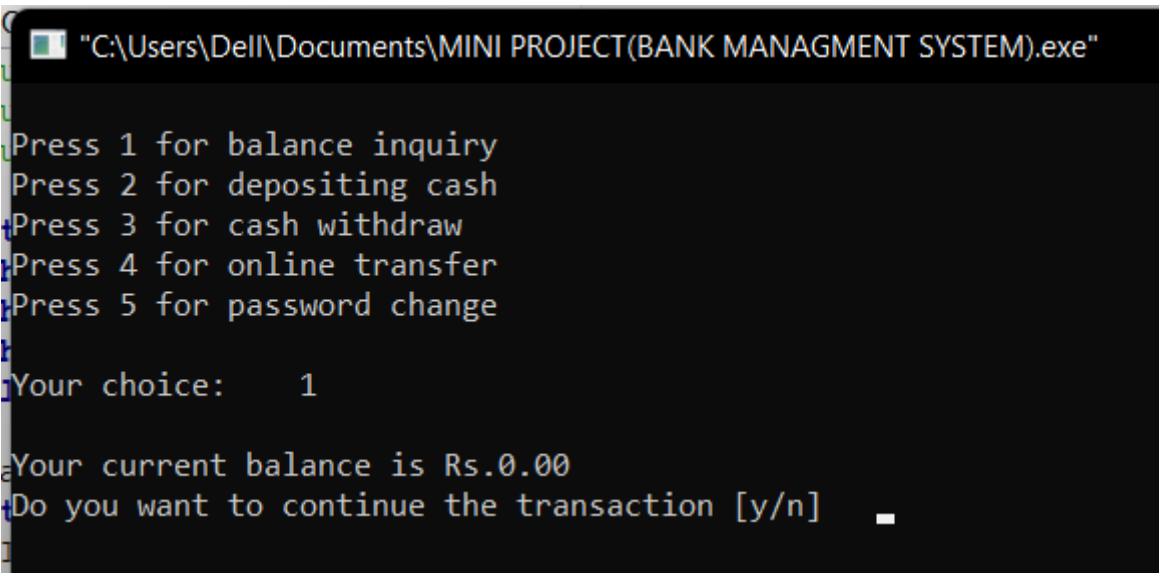
4. IF PASSWORD IS INVALID:



5. IF PASSWORD IS VALID:



6. TO ENQUIRE BALANCE:



7. TO DEPOSIT CASH:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 2

Enter the amount: 5000

Successfully Deposited.
Do you want to continue the transaction [y/n] _
```

8. TO WITHDRAW DEPOSITED CASH:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 3

Enter the amount: 1000

Successfully Withdrwal
Do you want to continue the transaction [y/n]
```

9. IF ACCOUNT IS NOT REGISTERED TO TRANSFER AMOUNT:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 4

Please enter the phone number to tansfer the balance: 87847846

Please enter the amount to tansfer: 6000

Account number not registered
Do you want to continue the transaction [y/n] _
```

10. IF BALANCE IS INSUFFICIENT TO TRANSFER AMOUNT:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 4

Please enter the phone number to tansfer the balance: 9103269956

Please enter the amount to tansfer: 10000

Insufficient balance
Do you want to continue the transaction [y/n] _
```

11. AMOUNT IS SUCCESSFULLY TRANSFERRED:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 4

Please enter the phone number to tansfer the balance: 9103269956

Please enter the amount to tansfer: 1000

You have successfully transfered Rs.1000.000000 to 9103269956
Do you want to continue the transaction [y/n]
```

12. TO CHANGE PASSWORD:

```
"C:\Users\Dell\Documents\MINI PROJECT(BANK MANAGMENT SYSTEM).exe"

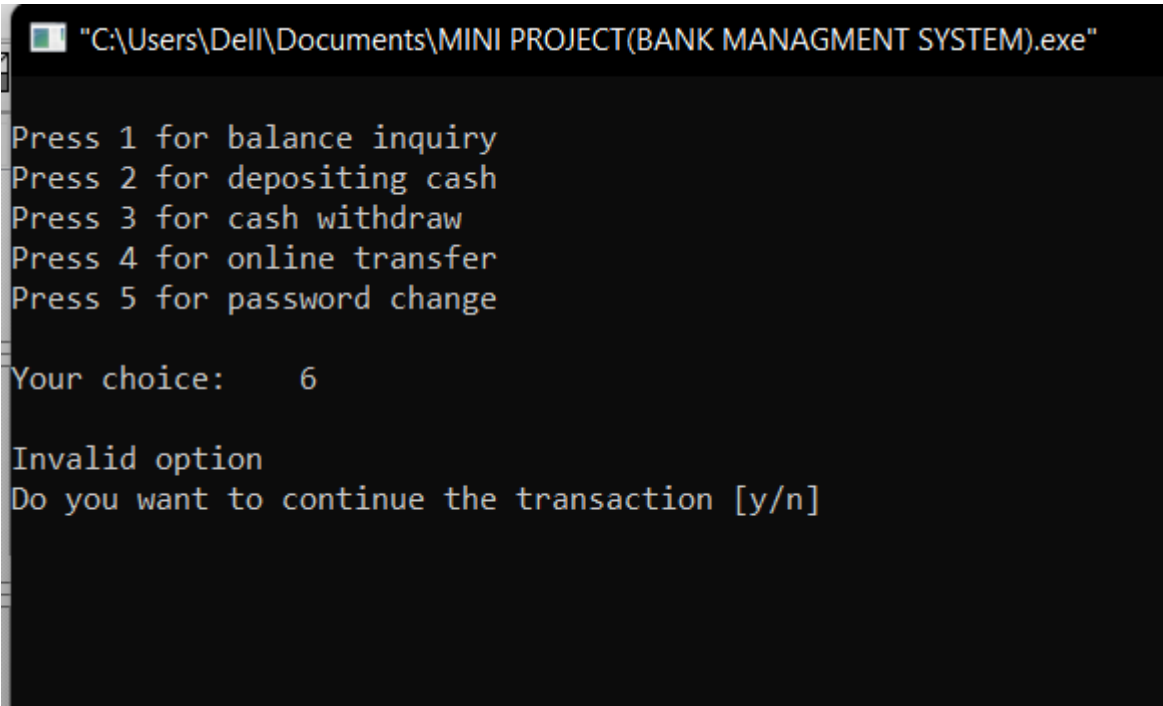
Press 1 for balance inquiry
Press 2 for depositing cash
Press 3 for cash withdraw
Press 4 for online transfer
Press 5 for password change

Your choice: 5

Please enter your new password: legend

Password successfully changed
Do you want to continue the transaction [y/n]
```

13. IF THE OPTION CHOSEN IS INVALID:



THE END