NEW HORIZON
COLLEGE OF ENGINEERING

A MINI PROJECT REPORT

for

Experiential learning (21CSE48A)

on

ATM TRANSACTION MANAGEMENT SYSTEM

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NEW HORIZON
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the mini project work titled

ATM TRANSACTION MANAGEMENT SYSTEM

Submitted in partial fulfillment of the degree of Bachelor of Engineering in Computer Science and Engineering by

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ABSTRACT

Let’s consider four candidates who have been nominated in the elections; the software system enables the voters to vote a
Candidates using a specific voter id number. Voters may access the list of candidates after entering a valid voter id that has been pre-determined. The software reviews each candidate’s information, and voters may access a list of candidates in their region. The voters can cast their vote only when they have a valid voter. Id and can cast their vote only once throughout the election. Using this software, we can count the number of votes each of the candidates has attained and finally, we can determine the leading candidate.

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CONTENTS

INTRODUCTION

- ATMs can be used to withdraw money or to deposit money or even to know the information of an account like the balance amount, etc.
- They are convenient and easy to use, and it allows consumers to perform quick self-service transactions.
- Card readers, cash dispensers, PIN pads, receipt printers and monitors are some of the basic hardware components that go into all ATMs.
- Many ATMs also have components for wireless connectivity, check scanning, or even dispensing gift cards.

Reference specifications

- Bunch of online c compliers
- Turbo c

ATM PIN – 8456
DEFAULT BALANCE – 1000
WITHDRAW THRESHOLD LIMIT – 500

PROGRAM EXPLANATION:

1. Initialize the variables pin, amount and transaction with 1234, 10000 and ‘y’ respectively.
2. Ask for the pin from user. If the input pin is equal to 1234, then it allow for the further operations.
3. Use switch statement to do the operations like Check Balance, Withdraw Cash, Deposit Cash and Quit.
4. For Check Balance simply print the variable amount as output and exit.

5. For Withdraw Cash, first ask the amount to withdraw and store it in the variable withdraw.

6. If withdraw % 100 != 0, then ask user to enter the amount in multiplies of 100.

7. If withdraw amount is greater than (amount-500), then print the output as “INSUFFICENT BALANCE”.

8. Otherwise subtract the variable withdraw from variable amount, print the amount and exit.

9. For deposit operation, ask the user for amount and store it in the variable deposit.

10. Add the variable deposit to variable amount, print the amount and exit.

11. If quit, then finally ask the user if they wish to continue or not. Ask them to type y/n and store it in the variable transaction.

12. If variable transaction is y/Y, then continue the operation. Otherwise terminate the while loop by assigning 1 to variable k.

PROGRAM SHORT DESCRIPTION:

This C Program performs ATM transaction.
The types of ATM transaction are:-
1) Balance checking
2) Cash withdrawal
3) Cash deposition

CODE

```
#include <stdio.h>
unsigned long amount=10000, deposit, withdraw;
int choice, pin, k;
char transaction ='y';
void main()
{
clrscr();
while (pin != 8456)
{
printf("ENTER YOUR SECRET PIN NUMBER:");
scanf("%d", &pin);
if (pin != 8456)
printf("Incorrect pin\n");
}
do
{
printf("*****Welcome to ATM Service*****\n");
printf("1. Check Balance\n");
printf("2. Withdraw Cash\n");
printf("3. Deposit Cash\n");
printf("4. Quit\n");
printf("*****************?***************\n\n");
printf("Enter your choice: ");
scanf("%d", &choice);
switch (choice)
{
case 1:
printf("\n YOUR BALANCE IN Rs : %lu ", amount);
break;
case 2:
printf("\n ENTER THE AMOUNT TO WITHDRAW: ");
scanf("%lu", &withdraw);
if (withdraw % 100 != 0)
{
printf("\n PLEASE ENTER THE AMOUNT IN MULTIPLES OF 100");
}
else if (withdraw >(amount - 100))
{
printf("\n INSUFFICENT BALANCE");
}
else
{
amount = amount - withdraw;
printf("\n\n PLEASE COLLECT CASH");
printf("\n YOUR CURRENT BALANCE IS%lu", amount);
}
break;
case 3:
printf("\n ENTER THE AMOUNT TO DEPOSIT:");
scanf("%lu", &deposit);
amount = amount + deposit;
printf("YOUR BALANCE IS %lu", amount);
break;
case 4:
printf("\n THANK U USING ATM");
break;
default:
printf("\n INVALID CHOICE");
}
printf("\n\n\n DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n): \n");
fflush(stdin);
scanf("%c", &transaction);
if (transaction == 'n')
 k = 1;
 }
 while (!k);
 printf("\n\n THANKS FOR USING OUR ATM SERVICE");
}
```

OUTPUT
SCREENSHOTS

Check Balance :-

```
 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):
y
****Welcome to ATM Service****
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
**********?**********

Enter your choice: 1

 YOUR BALANCE IN Rs : 199000
```

Withdraw Cash :-

```
 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):
y
****Welcome to ATM Service****
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
**********?**********

Enter your choice: 2

 ENTER THE AMOUNT TO WITHDRAW: 1000


 PLEASE COLLECT CASH
 YOUR CURRENT BALANCE IS9000


 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):
```

Deposit Cash :-

```
 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):
y
****Welcome to ATM Service****
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
**********?**********

Enter your choice: 3

 ENTER THE AMOUNT TO DEPOSIT:190000
YOUR BALANCE IS 199000
```

Quit :-

```
****Welcome to ATM Service****
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
**********?**********

Enter your choice: 4

 THANK U USING ATM
```

CONCLUSION

We are very grateful for the strong support and guidance provided to me by my instructor . Who helped me in preparing this project I am very thankful.