[college logo]

Course Name and Code: CO3I **Academic Year : 2019-2020**

Subject Name and Code: OBJECT ORIENTED PROGRAMMING(22316) **Semester : THIRD**

A STYDY ON

BANK MANAGEMENT SYSTEM

MICRO PROJECT

Submitted in September 2019 by the group of 04 students

Sr. No	Roll No (Sem-III)	Full name of Student	Enrollment No	Seat No (Sem-III)
1				
2				
3				
4				

Under the Guidance of

[your guide name]

In

Three Years Diploma Program in Engineering & Technology of Maharashtra State Board of Technical Education, Mumbai (Autonomous)
ISO 9001:2008 (ISO/IEC-27001:2013)

At

[your college name]

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, PUNE

Certificate

This is to certify that Mr. /Ms._____

Roll No: of **Third Semester** of_____**Diploma**

Program in Engineering & Technology at **[your college name] ,** has completed the

Micro Project satisfactorily in Subject _____in the academic year 2019-20

as per the MSBTE prescribed curriculum of I Scheme.

Place: Pune Enrollment No: _____

Date: / /2019 Exam Seat No: _____

Seal of Institute

Project Guide **Head of the Department** **Principal**

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ABSTRACT

Bank management system can be consider as a most important thing in economic world.in the present scenario the banking sector is the common need in everyday life.in day to day life we face the problems and then we realize something is not done in this sector like we want to change the location (branch) of our account then we need to fill the application and then some day waiting to complete bank process. In this process amount of time is more as well as here occur manual work which is increases man power. Also in current scenario aadhar card linking is must with bank account and it is possible through the ATM but if in urgent we want to link aadhar it may be not possible there is no ATM are available in that case we provide this facility through the our project i.e. Bank management system.

INTRODUCTION

The project entitled “Bank management system” is a computerized telecommunications device that provides the customers of a financial institution with access to financial transactions in a public space without the need for a human clerk or bank taller (manpower). Thousands of bank performs millions of transactions every day and thousands of users used banking system in day to day life. As we know that if number of users increases us need more banks and more staff it means increasing manual work also we put more amount of money in bank it is more risky and not much secure. If we developed advanced computerized based banking system so there is no need to open more branches as well the manpower is reduce and maximum information are stored automatically in banking server.

Banking system requires authenticity and validity if a system provides these basic logics that mean we can developed a new system that authenticate and validate the user and user can do any type of virtual transaction any time anywhere in minimum amount of time. One of the most authentic codes i.e. the customer account number for recognition of any person. It always appear on and credit, withdraw, money transferring, linking aadhar with account and changing the account location in one branch to another branch in same bank. Day to day life banking system is most useful and important thing in economical world and which is very useful to develop country as well as economic power.

BANK MANAGEMENT SYSTEM

The proposed system is highly computerized in which the data related to user accounts will be secured high with high accuracy that even reduced the machine damage and human made errors and this existing system is highly efficient to offer best services to the customers as well as bank because it has user friendly access that customers less time when compare with a normal banking system.

When the data is entered it will check for its validity. Appropriate massages are provided as when needed so that the user will not be in a maize of instant.

The data entry screen is design such a way that all the data manipulates can be performed, it also provide record viewing facilities.

Our Project developing as per the below figures. In the below fig (a) this project is use for online banking system, the user can register first and then login. When user login successfully they will perform the operation like money withdraw, money transfer, deposit, aadhar link with own account, transfer account in one location to another location etc.

Admin has all authority to handle all the user account and transactions in a sequence to avoid unauthorized user.

Costumer can update his data like address, contact number etc. as well as they link aadhar number with own account number using online banking system. User can transfer money, deposit money, withdraw and check account balance through online banking system.

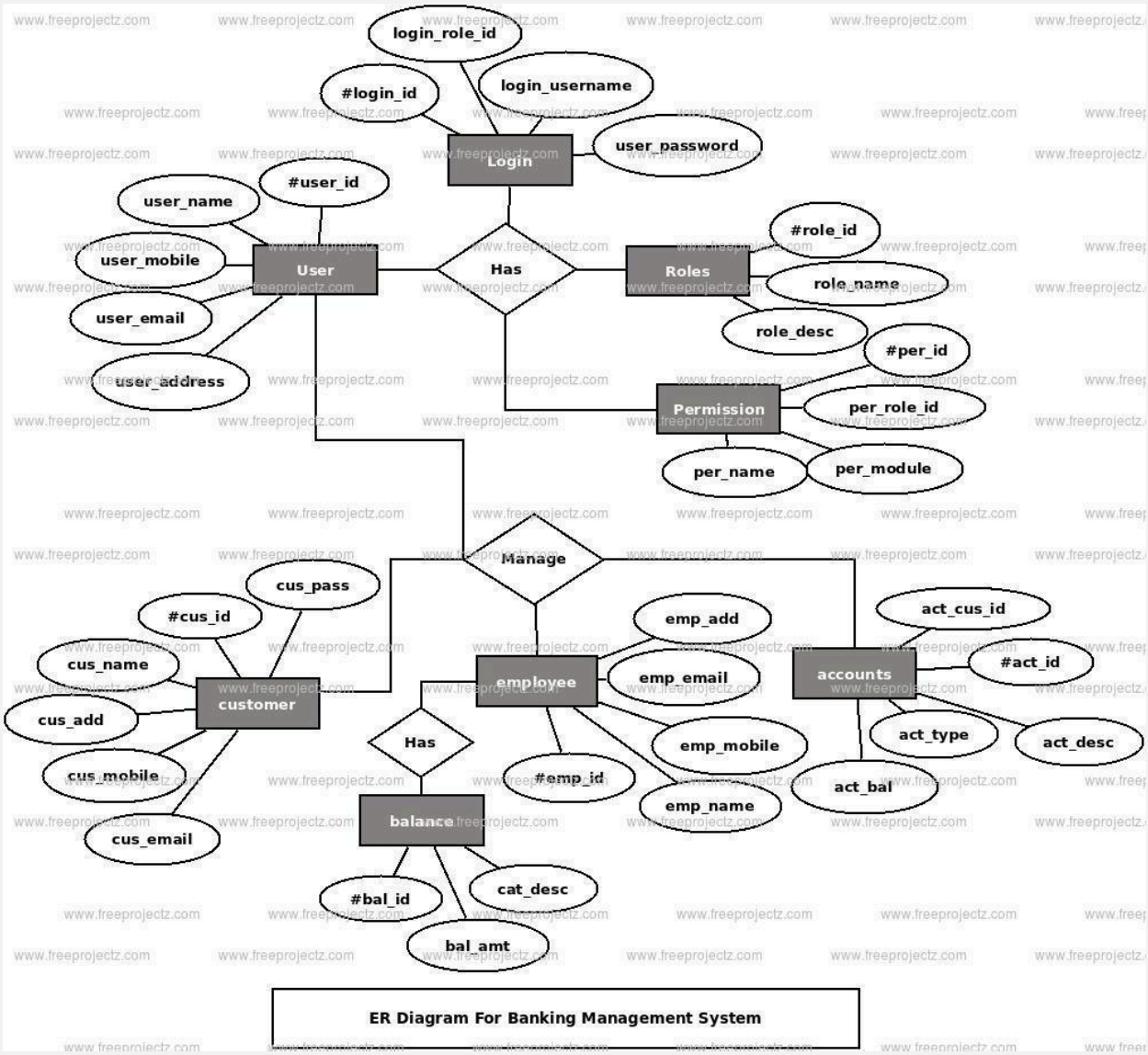
Advantages

- Improve customer service. A knowledge management system provides banks with an easy, fast, and convenient way to resolve customer problems. ...
- Save time and money. ...
- Cut costs. ...
- Improve process efficiency. ...
- Improve risk management and compliance.

Disadvantages

- Lack of Initiative: ADVERTISEMENTS: Branch managers generally lack initiative on all-important matters; they cannot take independent decisions and have to wait for. ...
- Regional Imbalances: ADVERTISEMENTS: ...
- Inefficient Branches: ADVERTISEMENTS:

E-R DIAGRAM



Implementation of bank management system in C

```
#include<iostream.h>
#include<conio.h>
```

```
class bank
{
 private:

 int ac_no,account;
 float balance;
 char name[20];

 public:
 void open(void);
 void deposite(int);
 void withdraw(int);
 void search(int);
 void display(void);

};

void bank::open(void)

 {
    cout<<"ENTER YOUR NAME :  ";
    cin>>name;
    cout<<"ENTER YOUR ACCOUNT NUMBER :  ";
    cin>>account;
    cout<<"ENTER THE AMOUNT OF MONEY :  ";
    cin>>balance;
 }

     void bank::deposite(int j)

{
     int bnc;

     if(account==j)

   {
   cout<<"ENTER THE AMOUNT OF MONEY : BDT ";
   cin>>bnc;
   balance=balance+bnc;
   cout<<"\n\n\tJOB HAS DONE WELL !!! \n";
   }


}

void bank::withdraw(int k)
{
      int blnc,p;

  if(account==k)
```

```
      {
       cout<<"YOUR CURRENT ACCOUNT BALANCE IS BDT "<<balance<<"\n"<<"THE
AMOUNT OF MONEY YOU WANT TO WITHDRAW IS BDT ";
       cin>>blnc;
          p=balance-blnc;
          { if(p<0)
             cout<<"SORRY !!! THERE IS NOT ENOUGH MONEY IN YOUR
ACCOUNT\n";
           else if(p>=0)
             {
              cout<<"\n\tYOUR REQUEST TO WITHDRAW MONEY HAS DONE\n\n";
              balance=p;
             }

          }
       }

    }


    void bank::display(void)
    {    cout<<"\n\nNAME : "<<name<<"\n\nACCOUNT NO.
"<<account<<"\n\nBALANCE : BDT "<<balance<<"\n\n";
    }



    void bank::search(int m)

    {

     if(account==m)
       {
        cout<<"\n\n*******Account Holder's INFO*******";
        cout<<"\n\nNAME : "<<name<<"\n\nACCOUNT NO.
"<<account<<"\n\nBALANCE : BDT "<<balance<<"\n\n";
        cout<<"\n**************************************\n\n";
       }

    }

       void main()
       {
      int i,j,k,m,l,y=0;
        bank b[20];
       int choice;
           clrscr();

         do
```

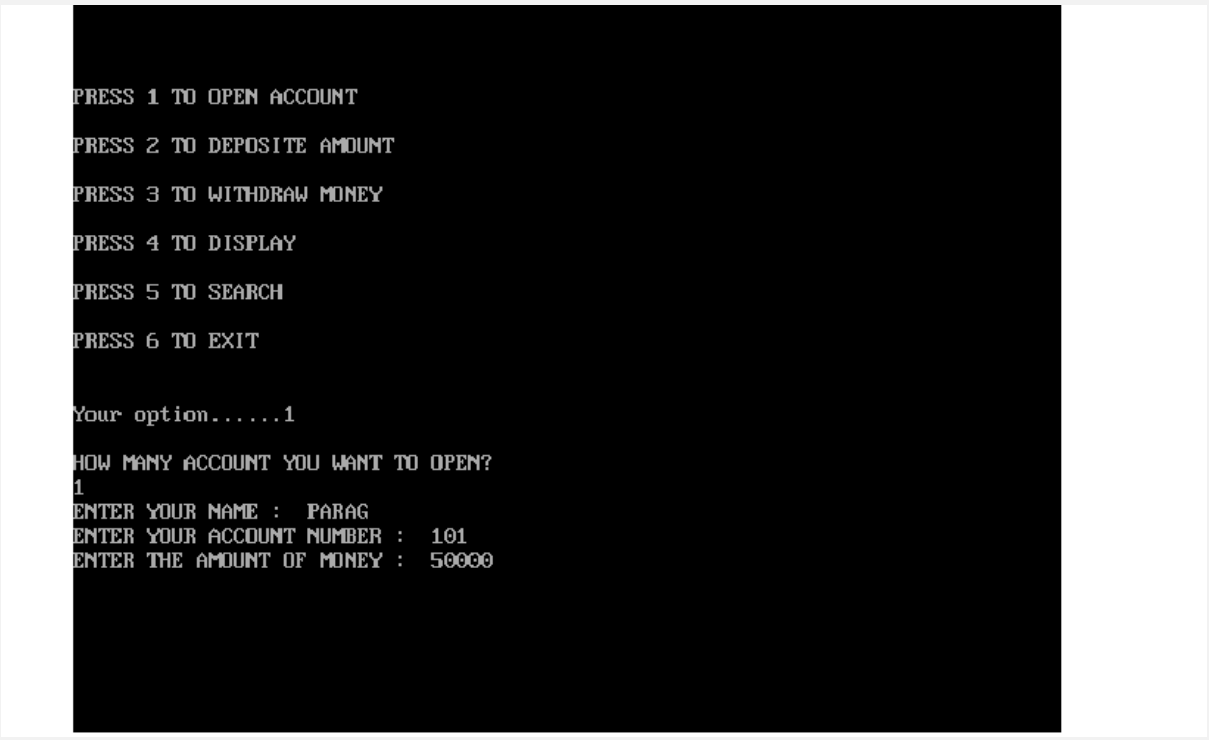
```
       {
    cout<<"\a\nPRESS 1 TO OPEN ACCOUNT\n\n"<<"PRESS 2 TO DEPOSITE
AMOUNT\n\n"<<"PRESS 3 TO WITHDRAW MONEY \n\n"<<"PRESS 4 TO DISPLAY
\n\n"<<"PRESS 5 TO SEARCH \n\n"<<"PRESS 6 TO EXIT \n\n\t\n";
    cout<<"Your option......";

    cin>>choice;
              switch(choice)
           {
              case 1:
               cout<<"\nHOW MANY ACCOUNT YOU WANT TO OPEN?\n";
               cin>>y;
                for(i=0;i<y;i++)
              b[i].open();
              break;
             case 2:
               cout<<"\nENTER YOUR ACCOUNT NO. ";
               cin>>j;
               for(i=0;i<y;i++)
                {
                  b[i].deposite(j);
                }
             break;
             case 3:
              cout<<"\nENTER YOUR ACCOUNT NO. ";
              cin>>k;
              for(i=0;i<y;i++)
                 {
                 b[i].withdraw(k);
                 }
              break;

             case 4:
              for(i=0;i<y;i++)
                {
                b[i].display();
                }
              break;
             case 5:
              cout<<"\nENTER YOUR ACCOUNT NO. ";
              cin>>m;
               for(i=0;i<y;i++)
              {
              b[i].search(m);
              }
               break;
            case 6:
            break;
```

```
            default:cout<<"\nYOU HAVE PRESSED THE WRONG KEY. PLEASE TRY
AGAIN. \n\n\n";
               break;
             }
           }     while(choice!=6);
    }
```

OUTPUT



```
Your option......1

HOW MANY ACCOUNT YOU WANT TO OPEN?
1
ENTER YOUR NAME :  PARAG
ENTER YOUR ACCOUNT NUMBER :  101
ENTER THE AMOUNT OF MONEY :  50000

PRESS 1 TO OPEN ACCOUNT

PRESS 2 TO DEPOSITE AMOUNT

PRESS 3 TO WITHDRAW MONEY

PRESS 4 TO DISPLAY

PRESS 5 TO SEARCH

PRESS 6 TO EXIT


Your option......2

ENTER YOUR ACCOUNT NO. 101
ENTER THE AMOUNT OF MONEY : BDT 10000_
```

```
Your option......4

NAME : PARAG

ACCOUNT NO. 101

BALANCE : BDT 60000


PRESS 1 TO OPEN ACCOUNT

PRESS 2 TO DEPOSITE AMOUNT

PRESS 3 TO WITHDRAW MONEY

PRESS 4 TO DISPLAY

PRESS 5 TO SEARCH

PRESS 6 TO EXIT

Your option......_
```

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.

REFERENCES

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[3]"Safe Internet Banking"GoBankingRates.FDIC, 2016-01- 11.Retrieved 2016-07-20.

[4]Cronin, Mary J. (1997). Banking and finance on the internet, john wiley and sone.ISBN 0-471-29219-2 page 41 from banking and finance on the internet retrieved 2001-07- 10.

[5] "The Home Banking Dilemma" Retrieved 2008-07- 10.

Title of Project: Bank Management System

1. Aims/Benefits of the Micro-Project:

a) Great help with studies and in making a career choice.
b) Improves academic performance and interest.
c) To Support Self Directed Learning.
d) To help students develop teamwork and problem-solving skills.
e) To enhance the skills to ‘communicate effectively and skillfully at workplace’.

2. Course Outcomes Addressed:

a) Develop C++ programs to solve problems using procedure oriented approach.
b) Develop C++ programs using classes and objects.
c) Implement inheritance in C++ program.
d) Use polymorphism in C++ program.

e) Develop C++ programs to perform file operations.

3. Proposed Methodology:

The work will be distributed among 4 students involved in the group. To complete the Project "**Bank Management System**", qualitative method will be used in which data collection, analysis and interpretation is required. The data will be collected from different sources such as Internet, reference books etc. The analysis and interpretation will be done by observing the collected data & programming work. Finally the data will be represented with interpretation in the form of application or collected data.

1. Action Plan:

Sr. No.	Details of Activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1	Discussion and Finalization of the Project Title			
2	Preparation of Abstracts			
3	Literature Review			
4	Collection of Data			

5	Discussion and Outline of Content			
6	Rough Writing of the Projects Contents			
7	Editing and Proof Reading of the Contents			
8	Final Completion of the Project			
9	Seminar Presentation, viva-vice, Assessment and Submission of Report			

2. Resources Required:

Sr. no.	Name of Resource/material	Specifications	Qty.	Remarks
1	Computers	Java	1 for 1 student	
2	Open learning Sources	Internet	1 for 1 student	

Name of Team Members

Name and Signature of the Teacher