POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS

SECTOR-11, CHANDIGARH

Project Report

On

ATM Management

Submitted in partial fulfilment for the award

of the degree of

Bachelor of Computer Application

PANJAB UNIVERSITY, CHANDIGARH

(2023-2024)

Project Guide:

Ms. Harpreet Kaur

Assistant Professor

(Department of Computer Application)

Submitted By:

Janvi (6011/21)

Diksha (6003/21)

BCA-III

CERTIFICATE

To whom it may concern

This is to certify that the project entitled “ATM Management system” is the original work done by both Diksha and Janvi bearing roll no 6003 and 6011, students of BCA 6th semester for session 2023-24 fulfilling the criteria of the project work under my guidance and supervision. The completion of this project is due to their hard work and full dedication towards their project.

…….

Ms. Harpreet Kaur

(Assistant Professor)

ACKNOWLEDGEMENT

I would like to convey my deepest gratitude to Mrs. Harpreet Kaur who guided us through this project. Her keen interest, motivation and advice helped us immensely in successfully completing this project.

I express my regards towards the principal of our college Prof. (Dr.) Anita Kaushal for extending her support. I would like to thank Dr. Meenu Verma, Head of the department, for allowing us to avail the facilities of the department necessary for this project.

Janvi (6011/21)

Diksha (6003/21)

SELF- DECLARATION

We the undersigned hereby declare that project report entitled “ATM Management System” with the guidance of our guide Ms. Harpreet Kaur who has guided us in the completion of the project. Without her guidance and support, our project would not be completed. This project has been submitted to PGGCG Sector 11, Chandigarh under the guidance and support of a teacher. I duly thank our teacher who have guided us in every step of our project.

Signature of Candidates

(Janvi)

(Diksha)

Date:

BCA students

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INTRODUCTION

An automated teller machine (ATM) Or automatic banking machine (ABM) is a computerised telecommunications device that provides the clients of a financial institution with access to financial transaction in a public space without the need for a cashier, human clerk or bank teller. On most modern ATMs, the customer is identified by inserting a plastic ATM card with a magnetic stripe of a plastic smart card with a chip, that contains a unique card number and some security information such as an expiration date or CVVC (CVV). Authentication is provided by the customer entering a personal identification number (PIN).

ABSTRACT

This report attempts to understand the design of an Automated teller Machine (ATM) system, a device used by bank customers to process account transactions. Typically, a user inserts into the ATM a special plastic card that is encoded with information on a magnetic strip. The strip contains an identification code that is transmitted to the bank`s central computer by modem. To prevent unauthorized transactions, a personal identification number (PIN) must also be entered by the user using a keypad. The Computer then permits the ATM to complete the transaction, most machines can dispense cash, accept deposits, transfer funds and provide information on account balances. Bank have formed cooperative, nationwide networks so that the customer of one bank can use an ATM of another for cash Access. Some ATM`s will also accept credit cards for cash advances. The first ATM was installed in 1969 by Chemical Bank at its branch in Rockville Centre, New York. A customer using a coded card was dispensed a package containing a sum of money.

OBJECTIVE

The objective of an ATM machine is to provide anytime or Automated Banking services to the bank customers without the customer having to make a trip to the bank.

- Cash Withdrawal
- Accept Deposits
- Issue Balance Statements
- Pre-paid mobile recharge
- Money Transfer
- Buying Insurance
- To analyse the present ATM facilities provided by SBI, ICICI& HDFC Bank.

SCOPE

The main purpose of the ATM division and information service is to provide the customers financial flexibility, worldwide acceptance and round-the check convenience. Bank issues only VISA Credit Cards, the renowned Credit Card brand. Cardholders can purchase goods/services up to the credit limit and can reuse the credit facility upon repayment. Credit Card is a safer substitute to cash and is the major mode of payment worldwide. Standard Chartered Bank is the first to introduce the TAKA CREDIT CARD. The card is issued basically to a person`s name and the specific person can use the card anywhere in Bangladesh. The business activity of Premier Bank Credit Card section is to keep the records of all sales and customer`s requests, the information of cardholders and reports them to necessary documents.

IDENTIFICATION OF NEED

These machines allow you to undergo self-service transactions without the help of an actual teller and without having to visit the bank branch. Automated teller machines or ATM`s allow many transactions, including cash withdrawals, cash deposits and fund transfers. An automatic teller machine increases existing business. The typical ATM customer will spend 20-25% more thana non-ATM customer, according to research conducted by AT&T Global Information Solutions. An automatic teller machine generates ne business. Customers are likely to seek out a location with an automatic teller machine, in addition to convenience, there are a number of safety benefits associated with an in-store automatic teller machine, according to survey results published in Petroleum Marketer magazine.

SYSTEM ANALYSIS

Study of current/ Existing system:

In the manual system, firstly the bank manager and its staff have to manage the information regarding the accounts and transaction of all the customers manually. Doing this manual transaction was really tedious job. Secondly information regarding accounts and transactions of customers were to be maintained. This process is time consuming and it requires a great manual effort.

Disadvantages:

- More time is consumed.
- More hard work to maintain all records.
- Bulk of paper is to be searched for a single search.

FEASIBILITY STUDY

Technical Feasibility:

The system is being developed in Visual Basic 6.0. It provides comprehensive function to make it user friendly. The data entry and report generation is also made easy. Backup and restore of the database facility are also provided. It also provides easy retrieval of data. The machine configuration also supports this software.

Social Feasibility:

As this system is user friendly and flexible some problems will also be solved which employee may be facing when using existing system. So we can say that system is socially feasible.

Economic Feasibility:

The cost of converting from manual system to new automatic computerized system is not probably more. For construction of the new system, the rooms and its facilities are available so it does not require any extra resource, only the software requirement is there.

Operation Feasibility:

Since the system is being in user friendly way, the new customers within a few time can master it.

Minimum Hardware and Software Requirements

Hardware Requirements:

- Processor: Intel Pentium 4 or Later or Compatible
- Hard Disk: 410GB or more
- RAM: 1GB or more
- Printer: Any
- Monitor: SVGA Color Monitor (Touch Screen or Simple)
- Pointing Device: Touch Pad or Keys

Software Requirements:

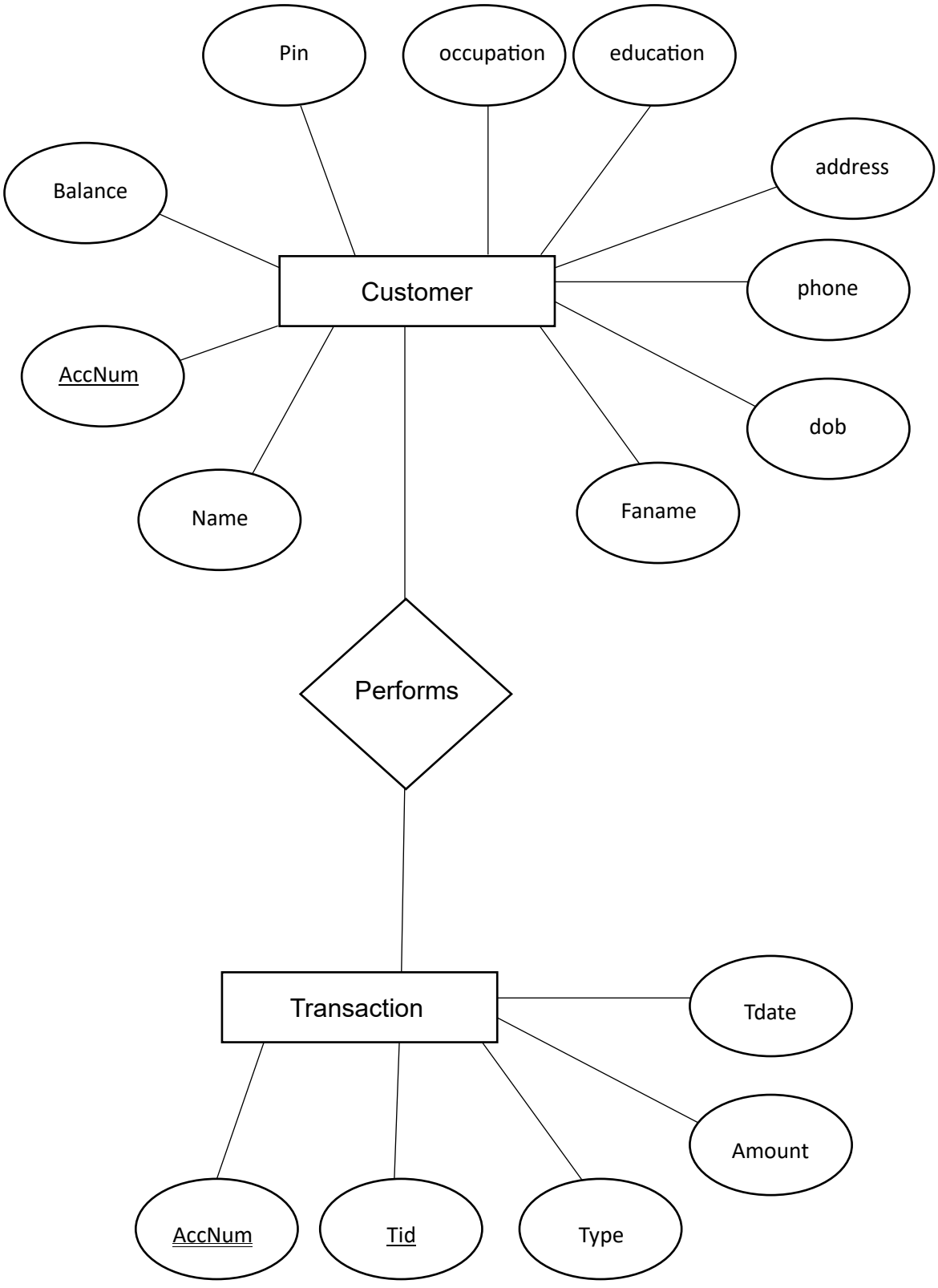
- Operating System: Microsoft Windows XP or Later or Equivalent
- Front-End: Visual Basic 6.0
- Back-End: SQL Server

FEATURES OF PROJECT

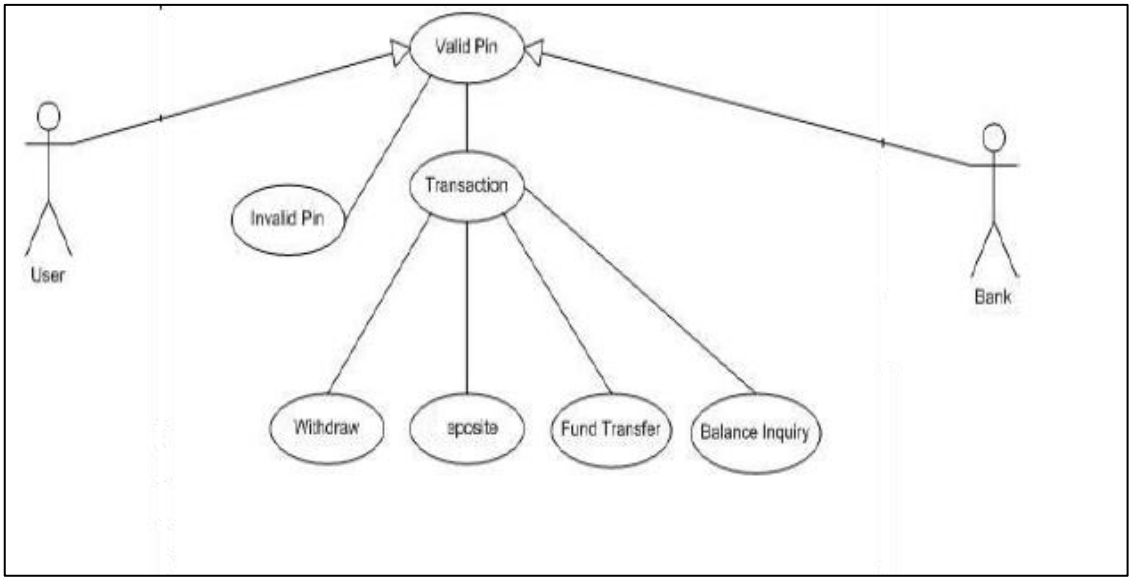
From the time this machine came into existence, its functions are updated accordingly. It has become a safe and trusted machine to use. Below are some features of ATM:

- The modern ATM are very versatile. It not only allows you to withdraw cash but it also allows depositing money, transferring money, payment of several bills, generation of statements and many more.
- ATM`s are very user-friendly machines. Anyone can use it whether they are educated or are a specially-abled person. It has become easy with the introduction of the biometric identification scanner.
- ATM`s are multilingual devices. India is a country with different types of people speaking different languages. So, the machine being multilingual is very helpful as everybody can use it in their own preferred language.
- ATM`s have now started providing receipts via email, which eliminates the use of paper.

ENTITY RELATIONSHIP DIAGRAM



Use Case Diagram



TABLES USED

1. AccountTbl

	Name	Data Type	Allow Nulls	Default
🔑	AccNum	int	☐	
	name	varchar(50)	☐	
	faname	varchar(50)	☐	
	dob	date	☐	
	phone	varchar(50)	☐	
	address	varchar(50)	☐	
	education	varchar(50)	☐	
	occupation	varchar(50)	☐	
	pin	varchar(50)	☐	
	balance	int	☐	
			☐	

2. TransactionTbl

	Name	Data Type	Allow Nulls	Default
🔑	Tid	int	☐	
	AccNum	varchar(50)	☐	
	Type	varchar(50)	☐	
	Amount	int	☐	
	TDate	date	☐	
			☐	

Implementation of Source Code

Splash.vb

```
Public Class splash
    0 references
    Private Sub Label1_Click(sender As Object, e As EventArgs) Handles Label1.Click

    End Sub

    0 references
    Private Sub splash_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Timer1.Start()
    End Sub

    0 references
    Private Sub Myprogress_Click(sender As Object, e As EventArgs) Handles Myprogress.Click

    End Sub

    0 references
    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
        Myprogress.Increment(1)
        Dim per As String
        per = Convert.ToString(Myprogress.Value)
        PercentageLbl.Text = per + "%"
        If Myprogress.Value = 100 Then
            Me.Hide()
            Dim obj = New login()
            obj.Show()
            Timer1.Enabled = False
        End If
    End Sub
End Class
```

Login.vb

```
Imports System.Data.SqlClient
6 references
Public Class login
    0 references
    Public Property AccountNum As String
    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")

    0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        If AccNumTb.Text = "" Or PinTb.Text = "" Then
            MsgBox("Enter the aacount number and pin number ")
        Else
            con.Open()
            Dim query = "select * from AccountTbl where AccNum='" & AccNumTb.Text & "' and PIN='" & PinTb.Text & "'"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            Dim da As SqlDataAdapter = New SqlDataAdapter(cmd)
            Dim ds As DataSet = New DataSet()
            da.Fill(ds)
            Dim a As Integer
            a = ds.Tables(0).Rows.Count
            If a = 0 Then
                MsgBox("wrong username or password")
            Else
                Dim obj = New mainform
                obj.Acc = AccNumTb.Text
                obj.Show()
                Me.Hide()
            End If
            con.Close()
        End If
    End Sub
    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    0 references
    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles Label5.Click
        Dim obj = New Registration
        Me.Hide()
        obj.Show()
    End Sub
```

```vb
Public Class Registration

    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    1 reference
    Private Sub reset()
        AccNumTb.Text = ""
        NameTb.Text = ""
        FNameTb.Text = ""
        AddressTb.Text = ""
        PhoneTb.Text = ""
        EduTb.SelectedIndex = 0
        OccuTb.Text = ""
        PinTb.Text = ""
    End Sub
    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click

        Dim obj = New login()
        Me.Hide()
        obj.Show()
    End Sub

    0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles SubmitBtn.Click
        If AccNumTb.Text = "" Or NameTb.Text = "" Or FNameTb.Text = "" Or AddressTb.Text = "" Or PhoneTb.Text = "" Or EduTb.SelectedIndex = -1 Or OccuTb.Text = "" Or PinTb.Text = "" Then
            MessageBox.Show("Missing information")
        Else
            Try
                Dim bal = 0
                con.Open()
                Dim query = "insert into AccountTbl values('" & AccNumTb.Text & "','" & NameTb.Text & "','" & FNameTb.Text & "',
'" & DobTb.Value.Date & "','" & PhoneTb.Text & "','" & AddressTb.Text & "','" & EduTb.SelectedItem.ToString() & "','" & OccuTb.Text & "','" & PinTb.Text & "','" & bal & "')"
                Dim cmd As SqlCommand
                cmd = New SqlCommand(query, con)
                cmd.ExecuteNonQuery()
                MessageBox.Show("Account Added")
                con.Close()
                reset()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If


    End Sub

    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub
```

Registration.vb

```
15 references
Public Class mainform
    15 references
    Public Property Acc As String
    0 references
    Private Sub mainform_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        AccNumLbl.Text = Acc
    End Sub

    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    0 references
    Private Sub Label4_Click(sender As Object, e As EventArgs) Handles Label4.Click
        Dim obj = New login()
        obj.Show()
        Acc = AccNumLbl.Text
        Me.Hide()
    End Sub

    0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim obj = New Deposit()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
        Dim obj = New Balance()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        Dim obj = New withdrawal()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub
```

Mainform.vb

```
    0 references
    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
        Dim obj = New changepin()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
        Dim obj = New fastcash()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
        Dim obj = New ministatement()
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub
End Class
```

```vb
Imports System.Data.SqlClient
Imports System.Net.NetworkInformation
Imports System.Security.Principal

3 references
Public Class Deposit
    4 references
    Public Property Acc As String
    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub
    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click
        Dim obj = New mainform()
        obj.Acc = MyAcc
        obj.Show()
        Me.Hide()
    End Sub
    'Dim Acc As String
    Dim MyAcc As Integer
    0 references
    Private Sub Deposit_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        MyAcc = Convert.ToInt32(Acc)
        GetBalance()
    End Sub

    Dim OldBalance = 0
    1 reference
    Private Sub GetBalance()
        con.Open()
        Dim sda As SqlDataAdapter
        sda = New SqlDataAdapter("select balance from AccountTbl where AccNum=" & Acc & "", con)
        Dim dt As DataTable
        dt = New DataTable
        sda.Fill(dt)
        OldBalance = Convert.ToInt32(dt.Rows(0)(0).ToString())
        con.Close()
    End Sub

    1 reference
    Private Sub UpdateBalance()
        'Dim Account = Convert.ToInt32(Acc)
        Dim NewBal = OldBalance + Convert.ToInt32(AmountLbl.Text)
        Try
            'Dim bal = 0
            con.Open()
            Dim query = "update AccountTbl set Balance=" & NewBal & " where AccNum=" & Acc & ""
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
```

Deposit.vb

```
            MessageBox.Show("Deposit Successful")
            con.Close()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End Sub
0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        If AmountLbl.Text = "" Or Convert.ToInt32(AmountLbl.Text) < 1 Then
            MessageBox.Show("Missing information")
        Else
            ' Dim Account = Convert.ToInt32(Acc)
            Dim TrType = "Deposit"
            Try
                Dim bal = 0
                con.Open()
                Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & AmountLbl.Text & "','" & System.DateTime.Today.Date & "')"
                Dim cmd As SqlCommand
                cmd = New SqlCommand(query, con)
                cmd.ExecuteNonQuery()
                MessageBox.Show("Deposit Successful")
                con.Close()
                UpdateBalance()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If
    End Sub
d Class
```

Withdrawal.vb

```
Imports System.Data.SqlClient

3 references
Public Class withdrawal

    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    5 references
    Public Property Acc As String
    Dim MyAcc As Integer
    0 references
    Private Sub withdrawal_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        MyAcc = Convert.ToInt32(Acc)
        GetBalance()
    End Sub

    Dim OldBalance = 0
    1 reference
    Private Sub GetBalance()
        con.Open()
        Dim sda As SqlDataAdapter
        sda = New SqlDataAdapter("select balance from AccountTbl where AccNum=" & Acc & "", con)
        Dim dt As DataTable
        dt = New DataTable
        sda.Fill(dt)
        OldBalance = Convert.ToInt32(dt.Rows(0)(0).ToString())
        BalLbl.Text = OldBalance
        con.Close()
    End Sub
    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click
        Dim obj = New mainform()
        obj.Acc = Acc
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    1 reference
    Private Sub UpdateBalance()
        'Dim Account = Convert.ToInt32(Acc)
        Dim NewBal = OldBalance - Convert.ToInt32(AmountTb.Text)
        Try
            'Dim bal = 0
            con.Open()
            Dim query = "update AccountTbl set Balance=" & NewBal & " where AccNum=" & Acc & ""
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
```

```
            cmd.ExecuteNonQuery()
            ' MessageBox.Show("Deposit Successful")
            con.Close()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End Sub
    0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        If AmountTb.Text = "" Then
            MessageBox.Show("Missing information")
        ElseIf Convert.ToInt32(AmountTb.Text) > OldBalance Then
            MsgBox("No Enough Money")
        Else
            ' Dim Account = Convert.ToInt32(Acc)
            Dim TrType = "withdraw"
            Try
                Dim bal = 0
                con.Open()
                Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & AmountTb.Text & "','" & System.DateTime.Today.Date & "')"
                Dim cmd As SqlCommand
                cmd = New SqlCommand(query, con)
                cmd.ExecuteNonQuery()
                MessageBox.Show("Withdrawal Successful")
                con.Close()
                UpdateBalance()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If
    End Sub

    0 references
    Private Sub TextBox1_TextChanged(sender As Object, e As EventArgs) Handles AmountTb.TextChanged

    End Sub
End Class
```

```vb
Imports System.Data.SqlClient

3 references
Public Class fastcash

    11 references
    Public Property Acc As String
    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    Dim MyAcc As Integer
    0 references
    Private Sub fastcash_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        MyAcc = Convert.ToInt32(Acc)
        GetBalance()
    End Sub
    Dim oldbalance = 0
    1 reference
    Private Sub GetBalance()
        con.Open()
        Dim sda As SqlDataAdapter
        sda = New SqlDataAdapter("select balance from AccountTbl where AccNum=" & Acc & "", con)
        Dim dt As DataTable
        dt = New DataTable
        sda.Fill(dt)
        OldBalance = Convert.ToInt32(dt.Rows(0)(0).ToString())
        con.Close()
    End Sub

    6 references
    Private Sub UpdateBalance(Amt As Integer)
        'Dim Account = Convert.ToInt32(Acc)
        Dim NewBal = oldbalance - Amt
        Try
            'Dim bal = 0
            con.Open()
            Dim query = "update AccountTbl set Balance=" & NewBal & " where AccNum=" & Acc & ""
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            ' MessageBox.Show("Deposit Successful")
            con.Close()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End Sub
    0 references
    Private Sub Label4_Click(sender As Object, e As EventArgs)

    End Sub
```

Fastcash.vb

```
0 references
Private Sub Label4_Click_1(sender As Object, e As EventArgs) Handles Label4.Click
    Dim obj = New mainform()
    obj.Acc = Acc
    obj.Show()
    Me.Hide()
End Sub

Dim amount As Integer
0 references
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    If oldbalance < 100 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 100
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If

End Sub

0 references
Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
    Application.Exit()
End Sub
```

```
0 references
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    If oldbalance < 500 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 500
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If

End Sub
```

```
0 references
Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
    If oldbalance < 1000 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 1000
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
```

```
                Me.Hide()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If

    End Sub

    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    0 references
    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        If oldbalance < 500 Then
            MsgBox("No Enough Money")
        Else
            ' Dim Account = Convert.ToInt32(Acc)
            Dim TrType = "withdraw"
            amount = 500
            Try
                Dim bal = 0
                con.Open()
                Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
                Dim cmd As SqlCommand
                cmd = New SqlCommand(query, con)
                cmd.ExecuteNonQuery()
                MessageBox.Show("Withdrawal Successful")
                con.Close()
                UpdateBalance(amount)
                Dim obj = New mainform()
                obj.Acc = Acc
                obj.Show()
                Me.Hide()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If

    End Sub

    0 references
    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
        If oldbalance < 1000 Then
            MsgBox("No Enough Money")
        Else
            ' Dim Account = Convert.ToInt32(Acc)
            Dim TrType = "withdraw"
            amount = 1000
            Try
                Dim bal = 0
```

```
        Dim TrType = "withdraw"
        amount = 1000
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If

End Sub
```

(field) fastcash.MyAcc As Integer

```
0 references
Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
    If oldbalance < 2000 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 2000
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If

End Sub
```

```
0 references
Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
    If oldbalance < 5000 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 5000
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If

End Sub
```

```
0 references
Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
    If oldbalance < 10000 Then
        MsgBox("No Enough Money")
    Else
        ' Dim Account = Convert.ToInt32(Acc)
        Dim TrType = "withdraw"
        amount = 10000
        Try
            Dim bal = 0
            con.Open()
            Dim query = "insert into TransactionTbl values('" & MyAcc & "','" & TrType & "','" & amount & "','" & System.DateTime.Today.Date & "')"
            Dim cmd As SqlCommand
            cmd = New SqlCommand(query, con)
            cmd.ExecuteNonQuery()
            MessageBox.Show("Withdrawal Successful")
            con.Close()
            UpdateBalance(amount)
            Dim obj = New mainform()
            obj.Acc = Acc
            obj.Show()
            Me.Hide()
```

Ministatement.vb

```vb
Imports System.Data.SqlClient
Imports System.Security.Cryptography

3 references
Public Class ministatement
    3 references
    Public Property Acc As String
    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    0 references
    Private Sub ministatement_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        displayTr()
    End Sub

    1 reference
    Private Sub displayTr()
        con.Open()
        Dim query = "select  * from TransactionTbl where AccNum='" & Acc & "'"
        Dim cmd As SqlCommand
        cmd = New SqlCommand(query, con)
        Dim Adapter As SqlDataAdapter
        Adapter = New SqlDataAdapter(cmd)
        Dim builder As New SqlCommandBuilder(Adapter)
        Dim ds As DataSet
        ds = New DataSet()
        Adapter.Fill(ds)
        TransactionDGV.DataSource = ds.Tables(0)
        con.Close()
    End Sub
    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click
        Dim obj = New mainform()
        obj.Acc = Acc
        obj.Show()
        Me.Hide()
    End Sub
End Class
```

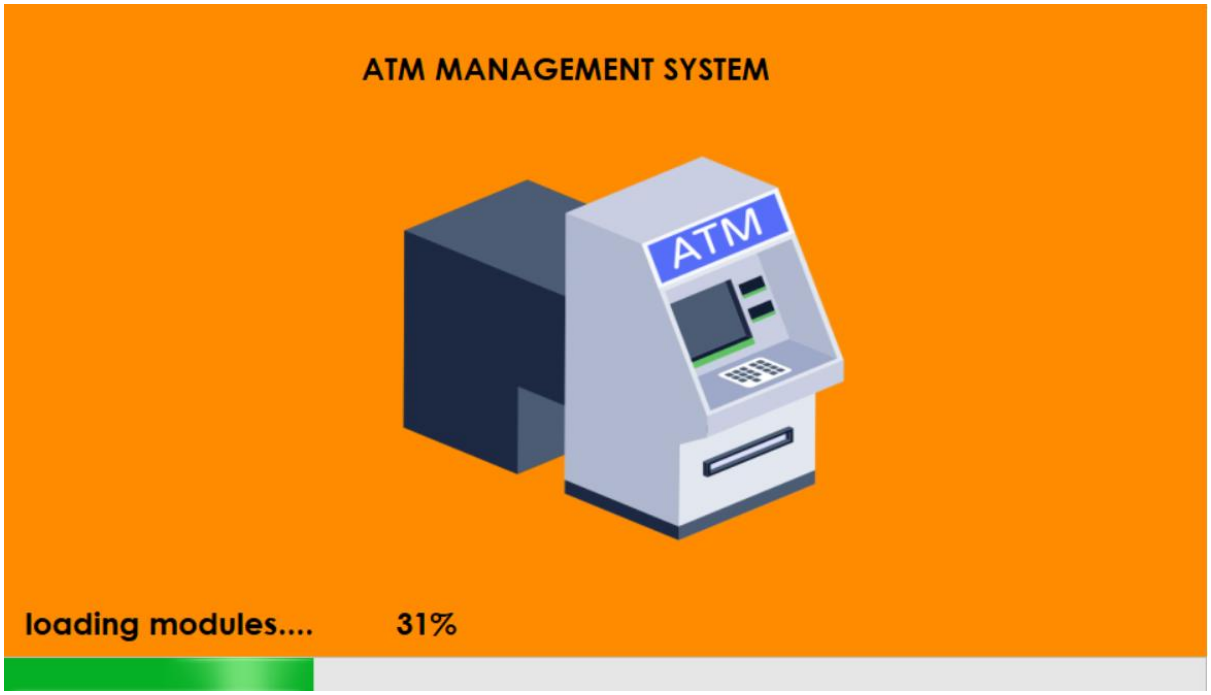
Changepin.vb

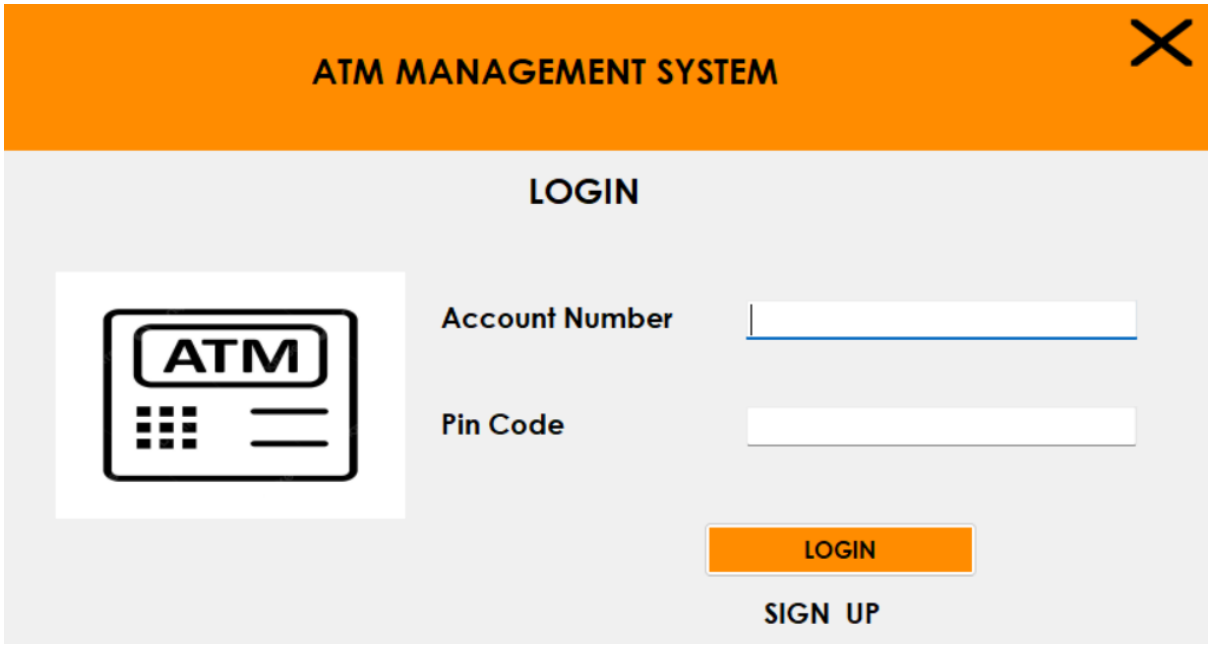
```
Imports System.Data.SqlClient
3 references
Public Class changepin
    3 references
    Public Property Acc As String

    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")

    0 references
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        If Pin1Tb.Text = "" Or Pin2Tb.Text = "" Then
            MessageBox.Show("Missing information")
        ElseIf Pin1Tb.Text <> Pin2Tb.Text Then
            MsgBox("Password Do not match")
        Else
            Try
                Dim bal = 0
                con.Open()
                Dim query = "update AccountTbl set PIN=" & Pin1Tb.Text & " where ACCNUM=" & MyAcc & ""
                Dim cmd As SqlCommand
                cmd = New SqlCommand(query, con)
                cmd.ExecuteNonQuery()
                MessageBox.Show("Pin changed successfully")
                con.Close()
                Dim log = New login()
                log.Show()
                Me.Hide()
            Catch ex As Exception
                MessageBox.Show(ex.Message)
            End Try
        End If
    End Sub

    Dim MyAcc As Integer
    0 references
    Private Sub changepin_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        MyAcc = Convert.ToInt32(Acc)
    End Sub

    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click
        Dim obj = New mainform()
        obj.Acc = Acc
        obj.Show()
        Me.Hide()
    End Sub

    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub
End Class
```

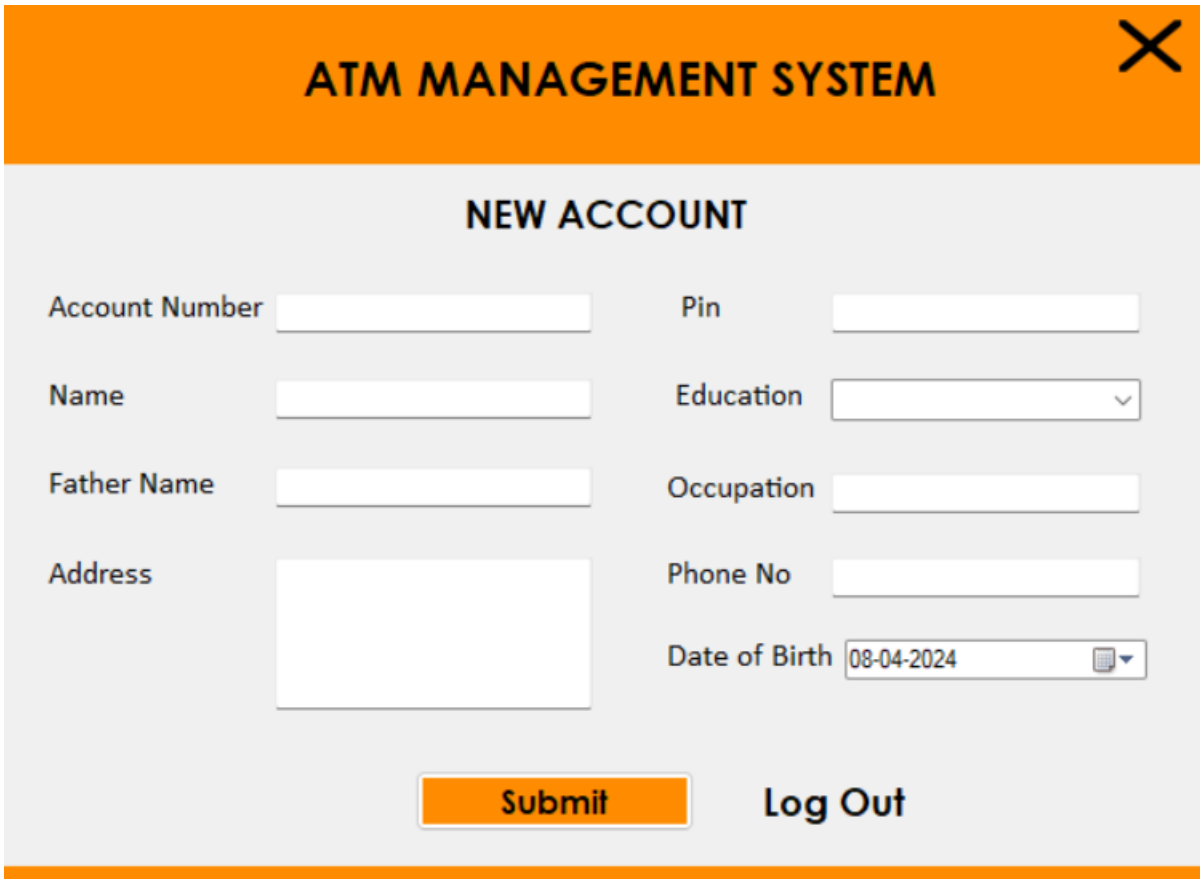
```vb
Imports System.Data.SqlClient

3 references
Public Class Balance
    3 references
    Public Property Acc As String
    Dim con As New SqlConnection("Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Diksha\OneDrive\Documents\atmvbdb.mdf;Integrated Security=True;Connect Timeout=30;Encrypt=False")
    0 references
    Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
        Application.Exit()
    End Sub

    1 reference
    Private Sub GetBalance()
        con.Open()
        Dim sda As SqlDataAdapter
        sda = New SqlDataAdapter("select balance from AccountTbl where AccNum=" & Account & "", con)
        Dim dt As DataTable
        dt = New DataTable
        sda.Fill(dt)
        BalLbl.Text = Convert.ToInt32(dt.Rows(0)(0).ToString())
        con.Close()
    End Sub
    0 references
    Private Sub Label11_Click(sender As Object, e As EventArgs) Handles Label11.Click
        Dim obj = New mainform
        obj.Acc = AccNumLbl.Text
        obj.Show()
        Me.Hide()
    End Sub
    Dim Account As Integer
    0 references
    Private Sub Balance_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Account = Convert.ToInt32(Acc)
        AccNumLbl.Text = Acc
        GetBalance()
    End Sub
End Class
```

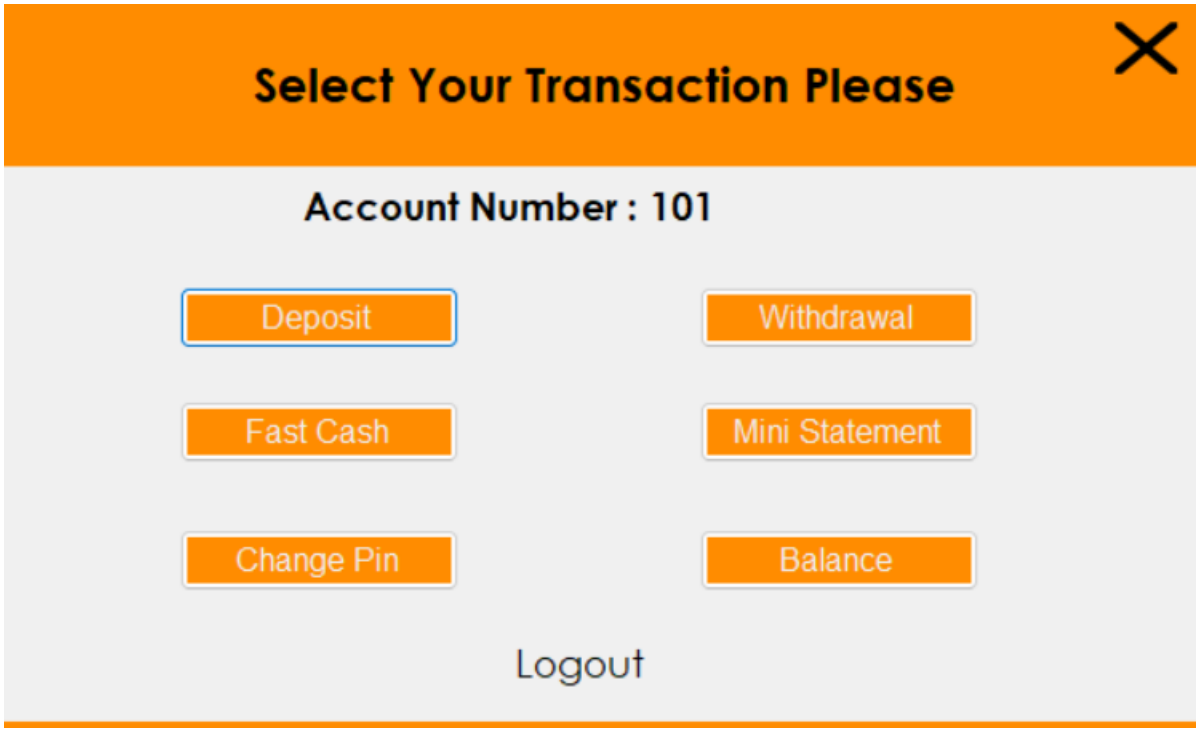
Balance.vb

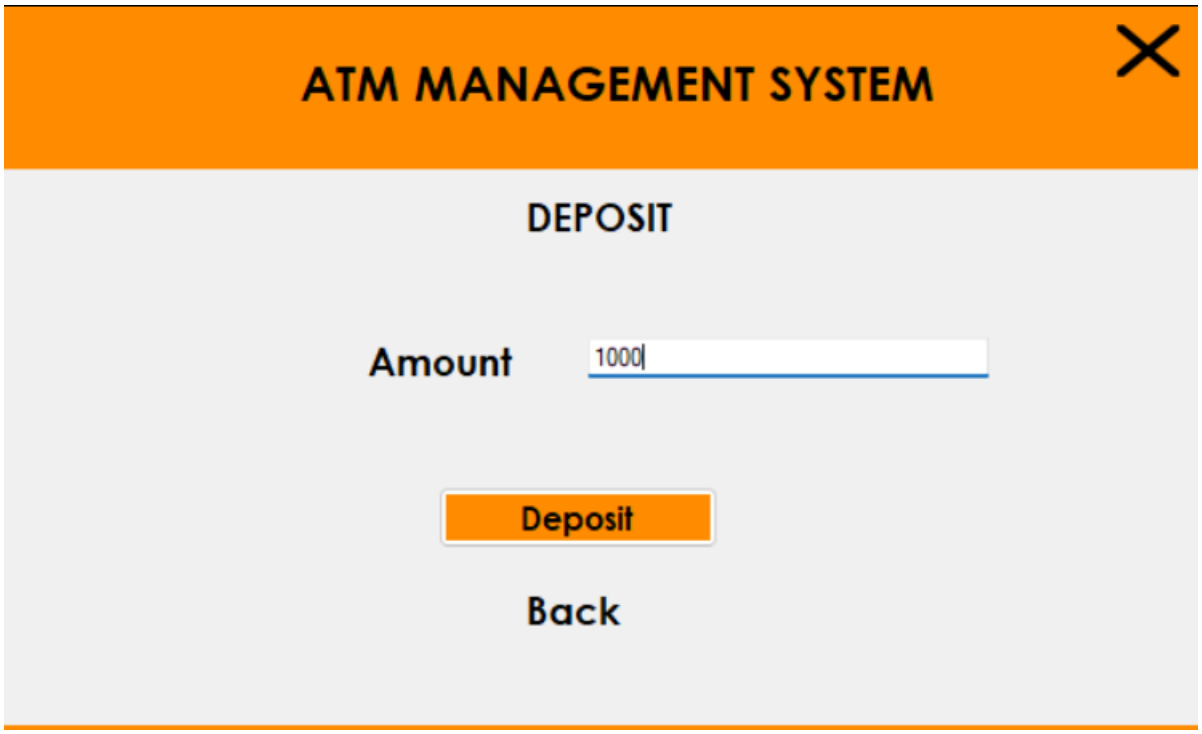
SCREENSHOTS OF THE PROJECT

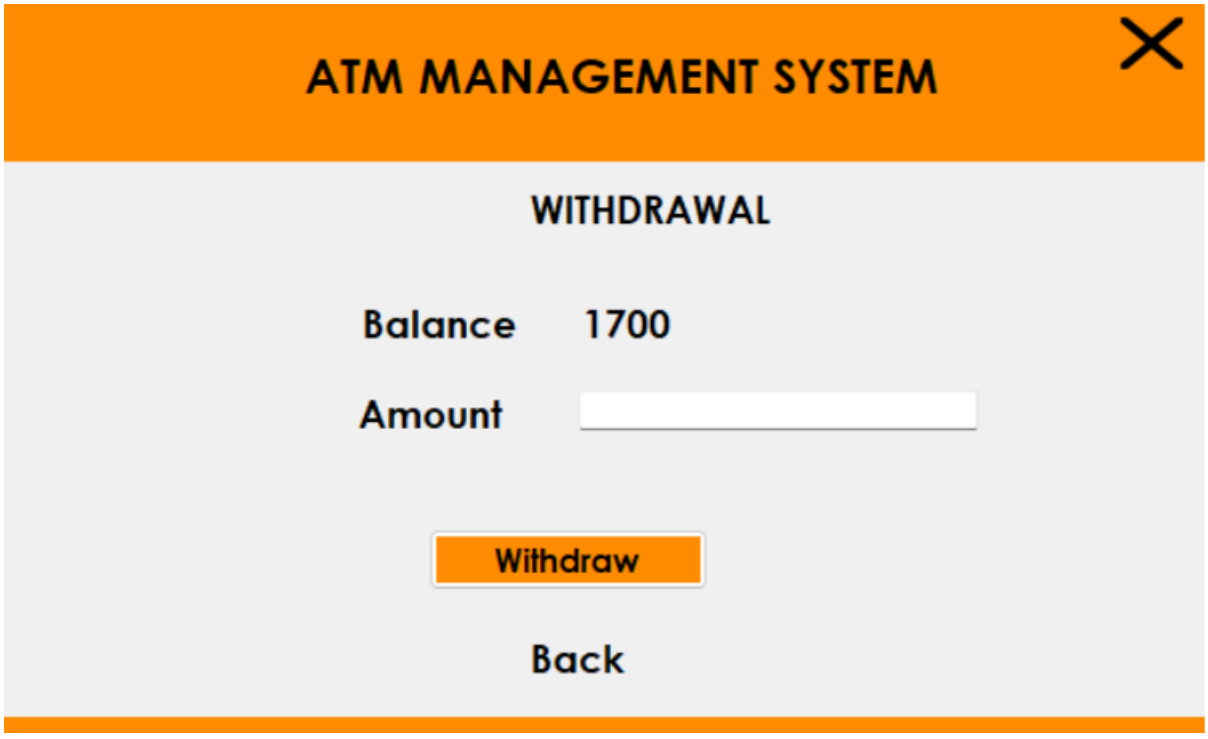


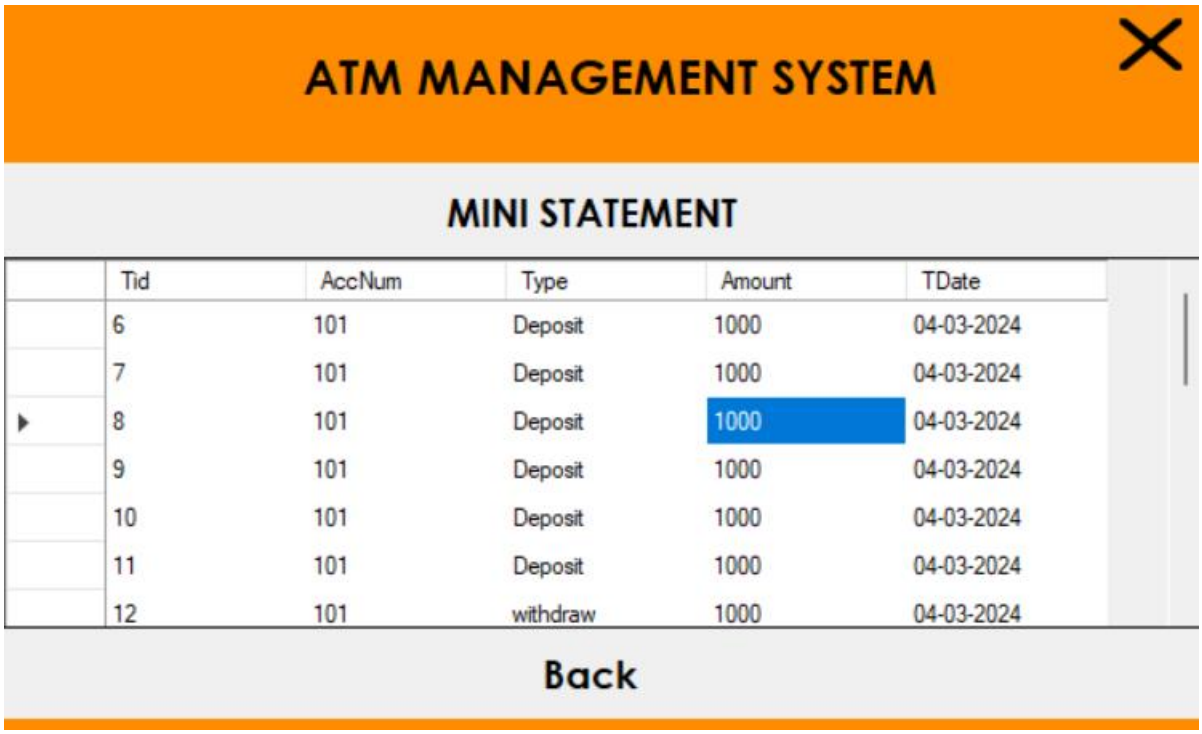



ATM MANAGEMENT SYSTEM
NEW ACCOUNT
Account Number
Pin
Name
Education
Father Name
Occupation
Address
Phone No
Date of Birth
08-04-2024
Submit
Log Out

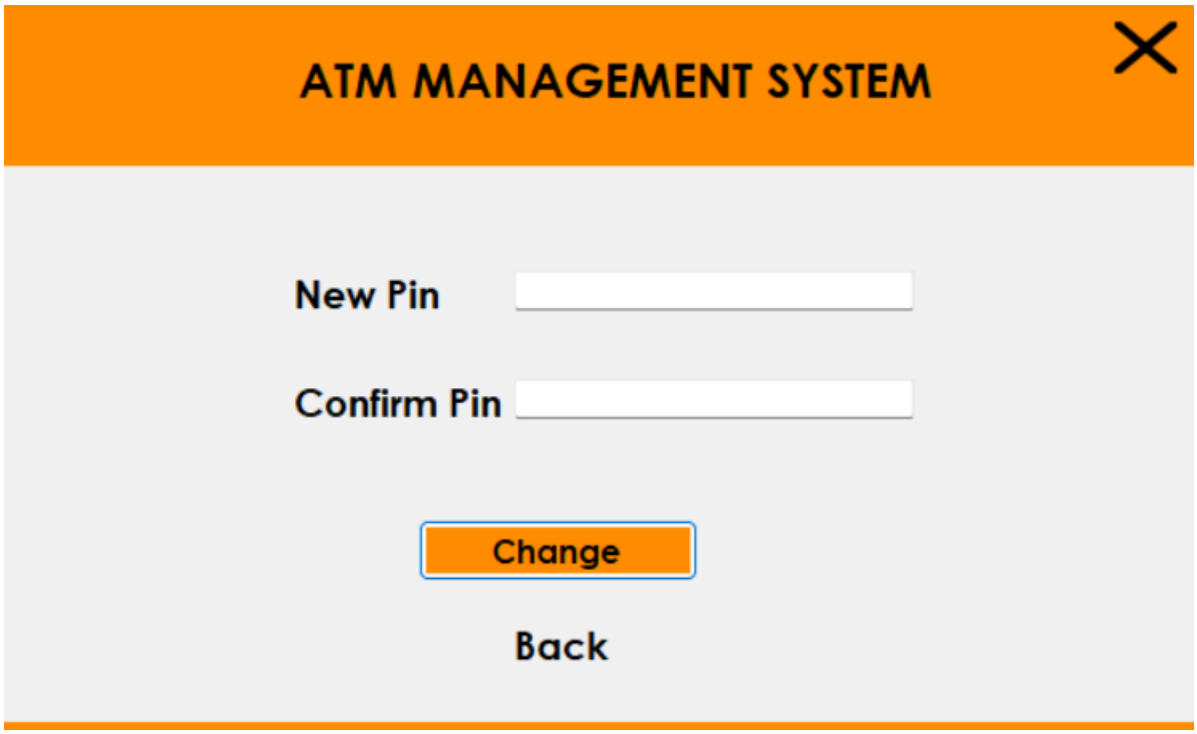

Select Your Transaction Please
Account Number : 101
Deposit
Withdrawal
Fast Cash
Mini Statement
Change Pin
Balance
Logout

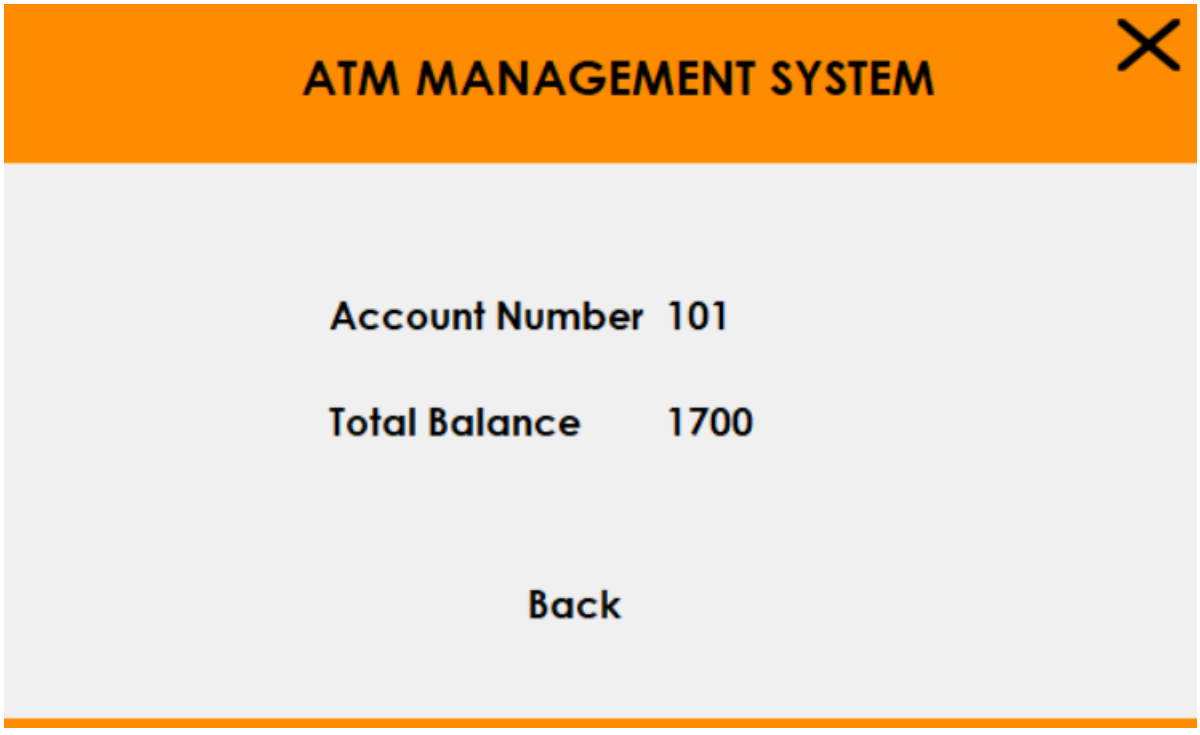

ATM MANAGEMENT SYSTEM
DEPOSIT
Amount
1000
Deposit
Back


ATM MANAGEMENT SYSTEM
WITHDRAWAL
Balance
1700
Amount
Withdraw
Back


ATM MANAGEMENT SYSTEM
MINI STATEMENT
Tid AccNum Type Amount TDate
6 101 Deposit 1000 04-03-2024
7 101 Deposit 1000 04-03-2024
8 101 Deposit 1000 04-03-2024
9 101 Deposit 1000 04-03-2024
10 101 Deposit 1000 04-03-2024
11 101 Deposit 1000 04-03-2024
12 101 withdraw 1000 04-03-2024
Back


ATM MANAGEMENT SYSTEM
FAST CASH
Rs 100
Rs 500
Rs 1000
Rs 2000
Rs 5000
Rs 10000
Back


ATM MANAGEMENT SYSTEM
New Pin
Confirm Pin
Change
Back


ATM MANAGEMENT SYSTEM
Account Number 101
Total Balance 1700
Back

FUTURE SCOPE AND CONCLUSION

The project has wide scope to be implemented in any other Department. This project covers all daily transactions and generates useful analytical and daily registers, which are used in every profit based organization. Hence it can be implemented anywhere else after minute organization level customization. Apart from this industry it can be also deployed in any other industry, which is involved in manufacturing after changing certain portions.

Bibliography

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3. https://code-projects.org/atm-system-in-vb-net-with-source-code/