Program and Output :

Form 1 :

Public db As Database

Public rs As Recordset

Public brs As Recordset

Private Sub Command1\_Click()

ado.RecordSource = "select \* from Userdata where Username='" + Text1.Text + "' and Password='" + Text2.Text + "'"

ado.Refresh

If ado.Recordset.EOF Then

MsgBox "Username or Password Incorrect", vbCritical, "Login Failed"

Else

If (ado.Recordset.Fields(3) Like "Student ") Then

Set trs = db.OpenRecordset("select \* from Userdata where Username='" + Text1.Text + "'")

Studentform.show

Else

librarianform.show

End If

End If

End Sub

Private Sub Command2\_Click()

rs.AddNew

rs.Fields(0).Value = Text3.Text

rs.Fields(1).Value = Text5.Text

rs.Fields(2).Value = Text4.Text

rs.Fields(3).Value = Combo1.Text

rs.Fields(4).Value = Text6.Text

rs.Fields(5).Value = 3

If Combo1.Text = "Student" Then

End If

rs.Update

rs.Requery

MsgBox ("Successfull!")

Call Fieldclear

End Sub

Private Sub Form\_Load()

Combo1.AddItem ("Student")

Combo1.AddItem ("Librarian")

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set rs = db.OpenRecordset("Select \* from Userdata")

Set brs = db.OpenRecordset("Select \* from Borrowedlist")

Call Fieldclear

End Sub

Private Sub Fieldclear()

Text3.Text = ""

Text5.Text = ""

Text4.Text = ""

Text6.Text = ""

Combo1.Text = ""

Text1.Text = ""

Text2.Text = ""

End Sub

Private Sub Label10\_Click()

Text2.PasswordChar = ""

Label10.Visible = False

Label11.Visible = True

End Sub

Private Sub hide\_Click()

Text5.PasswordChar = "\*"

show.Visible = True

hide.Visible = False

End Sub

Private Sub Label11\_Click()

Text2.PasswordChar = "\*"

Label10.Visible = False

Label11.Visible = True

End Sub

Private Sub Label3\_Click()

Forgotpassword.show

End Sub

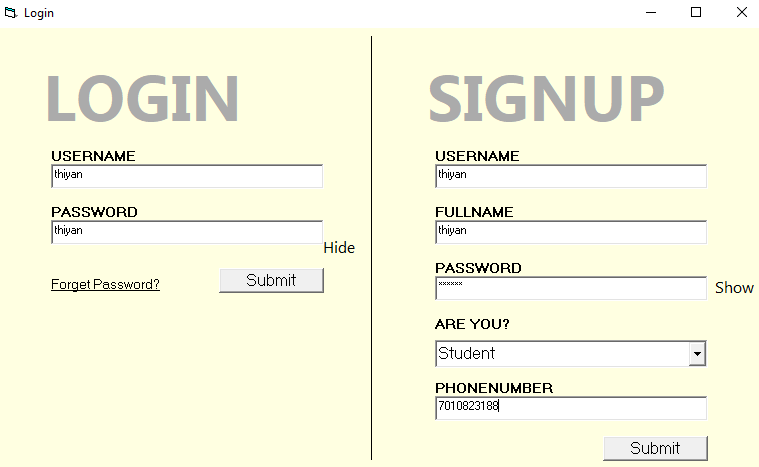
Private Sub show\_Click()

Text5.PasswordChar = ""

show.Visible = False

hide.Visible = True

End Sub



Form 2 (Student Form):

Private Sub Command2\_Click()

requestbook.show

End Sub

Private Sub Command3\_Click()

mydetails.show

End Sub

Private Sub Command4\_Click()

Returnbook.show

End Sub

Private Sub cp\_Click(Index As Integer)

Forgotpassword.show

End Sub

Private Sub Form\_Load()

Dim User As String

User = Form1.Text1.Text

Form1.hide

Label1.Caption = "Welcome " + User

End Sub

Private Sub Label2\_Click(Index As Integer)

Form1.Text1 = ""

Form1.Text2 = ""

Studentform.hide

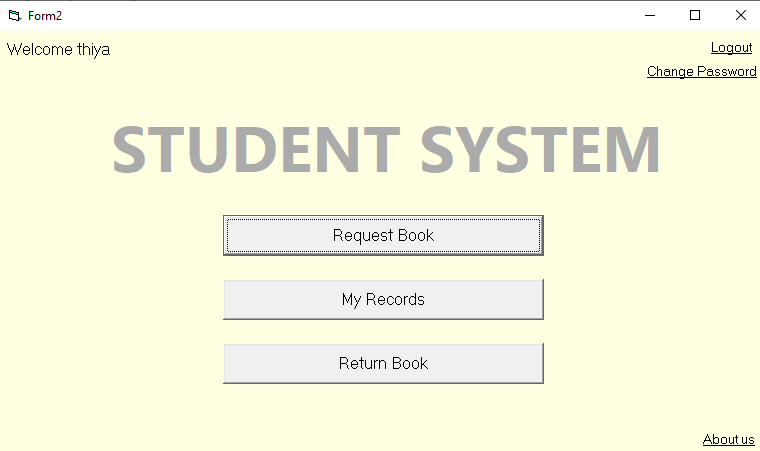
Form1.show

End Sub

Private Sub Label4\_Click()

About.show

End Sub



Form 3 (Librarian Form) :

Private Sub Command2\_Click()

issuebook.show

End Sub

Private Sub Command3\_Click()

Studentdetails.show

End Sub

Private Sub Command4\_Click()

addbook.show

librarianform.hide

End Sub

Private Sub cpw\_Click()

Forgotpassword.show

End Sub

Private Sub Form\_Load()

Dim User As String

User = Form1.Text1.Text

Form1.hide

Label1.Caption = "Welcome " + User

End Sub

Private Sub Label2\_Click()

Form1.Text1.Text = ""

Form1.Text2.Text = ""

Form1.show

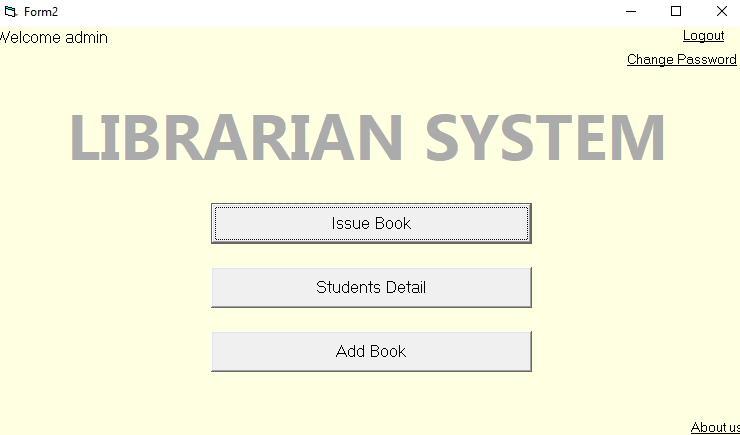
librarianform.hide

End Sub

Private Sub Label5\_Click()

Forgotpassword.show

End Sub



Form 4 (Student Form) :

Public db As Database

Public bs As Recordset

Public ca As Recordset

Public rs As Recordset

Public bw As Recordset

Public av As Recordset

Public us As Recordset

Public cl As Recordset

Private Sub Command1\_Click()

Set ca = db.OpenRecordset("Select count as c, Bookname as bn,ID as i from Books where Bookname ='" + Combo1.Text + "'")

If ca!c > 0 Then

Call available

Else

Call unavailable

End If

End Sub

Private Sub Command2\_Click()

If ca!bn = Combo1.Text Then

Set rs = db.OpenRecordset("select \* from Request")

User = Form1.Text1.Text

Set us = db.OpenRecordset("select limit from userdata where username like '" + User + "'")

If us!limit > 0 Then

Set trs = db.OpenRecordset("select \* from Request where Student like '" + User + "' and Book like '" + ca!bn + "'")

If trs.EOF Then

rs.AddNew

rs.Fields(0) = User

rs.Fields(1) = ca!bn

rs.Fields(2) = ca!i

rs.Fields(3) = "Requested"

rs.Update

ca.Edit

ca!c = ca!c - 1

ca.Update

us.Edit

us!limit = us!limit - 1

us.Update

MsgBox "Book Added to the Request", vbOKOnly, "Success"

Else

MsgBox "Request Already Exist", vbCritical, "Failed"

End If

Else

MsgBox "You have already Requested or Borrowed 3 Books", vbCritical, "Limit Exceeding"

End If

Else

Label4.Visible = True

Label3.Visible = False

Command2.Visible = False

End If

End Sub

Private Sub Command3\_Click()

Set av = db.OpenRecordset("Select Status from Request where Book like '" + Combo2.Text + "'")

Label7.Visible = True

If av.EOF Then

Label7.Caption = "Select First"

Else

If av!Status = "Accepted" Then

Label7.Caption = "Accepted"

Else

If av!Status = "Declined" Then

Label7.Caption = "Declined"

Else

Label7.Caption = "Requested"

End If

End If

End If

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set bs = db.OpenRecordset("Select \* from Books")

Dim User As String

User = Form1.Text1.Text

booklist = db.OpenRecordset("Select count(ID) as no from Books")

Label3.Visible = False

Label2.Visible = False

Command2.Visible = False

Label4.Visible = False

For i = 0 To booklist!no

If bs.EOF Then

bs.MoveFirst

Else

Combo1.AddItem (bs.Bookname)

bs.MoveNext

End If

Next

Set cd = db.OpenRecordset("Select count(Book) as ca from Request where Student like '" + User + "'")

Set bw = db.OpenRecordset("Select \* from Request Where Student like '" + User + "'")

For j = 0 To cd!ca

If bw.EOF Then

Else

Combo2.AddItem (bw.Book)

bw.MoveNext

End If

Next

End Sub

Private Sub available()

Label3.Visible = True

Command2.Visible = True

Label2.Visible = False

Label4.Visible = False

End Sub

Private Sub unavailable()

Label3.Visible = False

Command2.Visible = False

Label2.Visible = True

Label4.Visible = False

End Sub

Private Sub Label9\_Click()

Set cl = db.OpenRecordset("Select \* from Request where Status Not like 'Requested'")

If cl.EOF = False Then

cl.Delete

End If

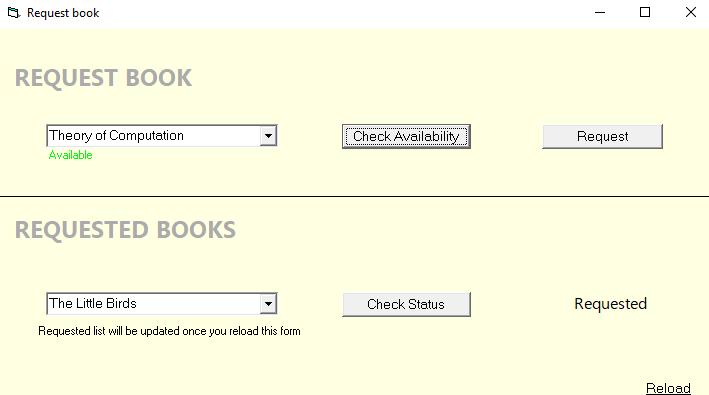
Label7.Visible = False

Combo2.Clear

Combo1.Clear

Call Form\_Load

End Sub



Form 5 (Librarian Form) :

Public db As Database

Public rq As Recordset

Public bs As Recordset

Public us As Recordset

Public cb As Recordset

Public ac As Recordset

Public br As Recordset

Dim arr() As String

Private Sub Command1\_Click()

Dim com As String

com = Combo1.Text

arr() = Split(com, " - ")

Set ac = db.OpenRecordset("Select \* from Request where Student like '" + arr(0) + "' and Book like '" + arr(1) + "'")

Set bs = db.OpenRecordset("select \* from Books where Bookname like '" + arr(1) + "'")

Set us = db.OpenRecordset("select \* from Userdata where Username like '" + arr(0) + "'")

If ac!Status = "Requested" Then

com = Combo1.Text

arr() = Split(com, " - ")

ac.Edit

ac!Status = "Accepted"

ac.Update

Set br = db.OpenRecordset("select \* from Borrowedlist")

br.AddNew

br.Fields(0) = arr(0)

br.Fields(1) = arr(1)

br.Fields(2) = bs!ID

br.Update

Else

MsgBox "Already Accepted or Declined", vbOKOnly, "Change Next"

End If

Call ClearField

Combo1.Clear

Call Form\_Load

End Sub

Private Sub Command2\_Click()

Dim com As String

com = Combo1.Text

arr() = Split(com, " - ")

Set ac = db.OpenRecordset("Select \* from Request where Student like '" + arr(0) + "' and Book like '" + arr(1) + "'")

Set bs = db.OpenRecordset("select \* from Books where Bookname like '" + arr(1) + "'")

Set us = db.OpenRecordset("select \* from Userdata where Username like '" + arr(0) + "'")

If ac!Status = "Requested" Then

ac.Edit

ac!Status = "Declined"

ac.Update

us.Edit

us!limit = us!limit + 1

us.Update

bs.Edit

bs!Count = bs!Count + 1

bs.Update

Else

MsgBox "Already Accepted or Declined", vbOKOnly, "Change Next"

End If

Call ClearField

Combo1.Clear

Call Form\_Load

End Sub

Private Sub Command3\_Click()

Dim st As String

Dim bon As String

Dim com As String

com = Combo1.Text

arr() = Split(com, " - ")

Set ac = db.OpenRecordset("Select \* from Request where Student like '" + arr(0) + "' and Book like '" + arr(1) + "'")

st = arr(0)

bon = arr(1)

Set bs = db.OpenRecordset("select \* from Books where Bookname like '" + arr(1) + "'")

Set us = db.OpenRecordset("select \* from Userdata where Username like '" + arr(0) + "'")

Label10.Caption = bs!ID

Label11.Caption = bs!Bookname

Label12.Caption = bs!Author

Label13.Caption = bs!Publishedyear

Label8.Caption = us!Fullname

Label9.Caption = us!phonenumber

Label15.Caption = ac!Status

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set cb = db.OpenRecordset("select \* from Request where Status like 'Requested'")

Set co = db.OpenRecordset("select count(student) as c from Request where Status like 'Requested'")

For i = 0 To co!c

If cb.EOF Then

Exit For

Else

Combo1.AddItem (cb!Student + " - " + cb!Book)

cb.MoveNext

End If

Next

End Sub

Public Sub ClearField()

Combo1.Text = ""

Label10.Caption = ""

Label11.Caption = ""

Label12.Caption = ""

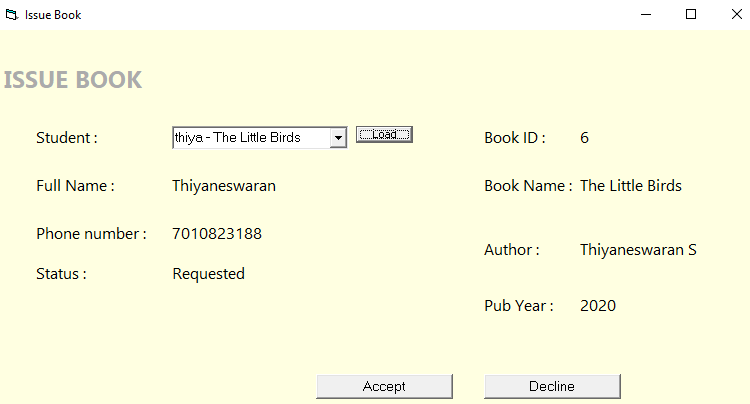
Label13.Caption = ""

Label8.Caption = ""

Label9.Caption = ""

Label15.Caption = ""

End Sub



Form 6 (Librarian Form) :

Public db As Database

Public bs As Recordset

Private Sub Command1\_Click()

Set bs = db.OpenRecordset("Select \* from Books")

bs.AddNew

bs.Fields(0) = Text5.Text

bs.Fields(1) = Text1.Text

bs.Fields(2) = Text2.Text

bs.Fields(3) = Text4.Text

bs.Fields(4) = Text3.Text

bs.Update

bs.Requery

MsgBox "Book Added Successfully", vbInformation, "Success"

Call ClearField

End Sub

Private Sub Command2\_Click()

Call ClearField

End Sub

Private Sub Command3\_Click()

Call ClearField

librarianform.show

addbook.hide

End Sub

Private Sub Command4\_Click()

bookdetails.show

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set rs = db.OpenRecordset("Select \* from Userdata")

Set rqs = db.OpenRecordset("Select \* from Request")

Set brs = db.OpenRecordset("Select \* from Borrowedlist")

End Sub

Private Sub ClearField()

Text1.Text = ""

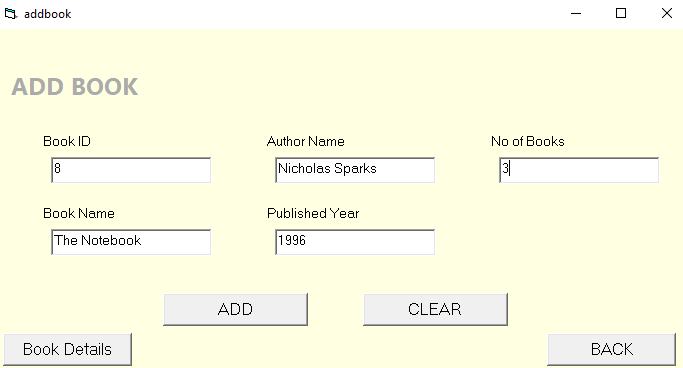
Text2.Text = ""

Text3.Text = ""

Text4.Text = ""

Text5.Text = ""

End Sub



Form 7 (Librarian Form):

Public db As Database

Public bs As Recordset

Private Sub Command1\_Click()

Set bs = db.OpenRecordset("Select \* from Books")

bs.AddNew

bs.Fields(0) = Text5.Text

bs.Fields(1) = Text1.Text

bs.Fields(2) = Text2.Text

bs.Fields(3) = Text4.Text

bs.Fields(4) = Text3.Text

bs.Update

bs.Requery

MsgBox "Book Added Successfully", vbInformation, "Success"

Call ClearField

End Sub

Private Sub Command2\_Click()

Call ClearField

End Sub

Private Sub Command3\_Click()

Call ClearField

librarianform.show

addbook.hide

End Sub

Private Sub Command4\_Click()

bookdetails.show

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set rs = db.OpenRecordset("Select \* from Userdata")

Set rqs = db.OpenRecordset("Select \* from Request")

Set brs = db.OpenRecordset("Select \* from Borrowedlist")

End Sub

Private Sub ClearField()

Text1.Text = ""

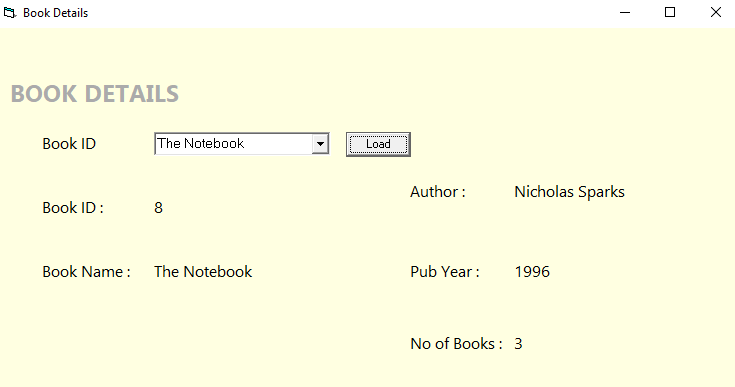
Text2.Text = ""

Text3.Text = ""

Text4.Text = ""

Text5.Text = ""

End Sub



Form 8 (Librarian Form) :

Public db As Database

Public us As Recordset

Public re As Recordset

Public c As Recordset

Public co As Recordset

Public si As Recordset

Public dd As Recordset

Private Sub Command3\_Click()

Set re = db.OpenRecordset("select \* from Borrowedlist where Student like '" + Combo1.Text + "'")

Set c = db.OpenRecordset("select count(Student) as count from Borrowedlist where Student like '" + Combo1.Text + "'")

If c!Count = 0 Then

Label8.Caption = ""

Label13.Caption = ""

Label7.Caption = ""

Else

If c!Count = 1 Then

Label8.Caption = re!Book

Label13.Caption = ""

Label7.Caption = ""

Else

If c!Count = 2 Then

Label8.Caption = re!Book

re.MoveNext

Label13.Caption = re!Book

Label7.Caption = ""

Else

Label8.Caption = re!Book

re.MoveNext

Label13.Caption = re!Book

re.MoveNext

Labe7.Caption = re!Book

End If

End If

End If

Set dd = db.OpenRecordset("Select \* from Userdata where Username like '" + Combo1.Text + "'")

Label10.Caption = dd!UserName

Label11.Caption = dd!Fullname

Label12.Caption = dd!phonenumber

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set c = db.OpenRecordset("select count(Username) as count from Userdata where Category like 'Student '")

Set us = db.OpenRecordset("select \* from Userdata where Category like 'Student '")

For i = 0 To c!Count

If us.EOF Then

us.MoveFirst

Else

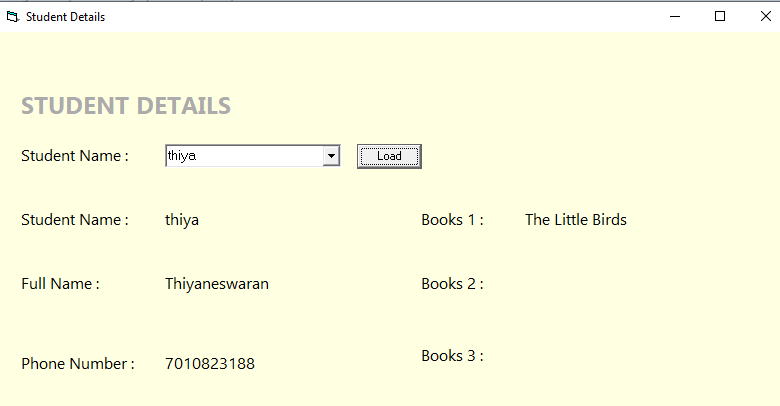
Combo1.AddItem (us!UserName)

us.MoveNext

End If

Next

End Sub



Form 9 (Student Form) :

Public db As Database

Public rs As Recordset

Public dd As Recordset

Public re As Recordset

Public c As Recordset

Private Sub Form\_Load()

Dim User As String

User = Form1.Text1.Text

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set rs = db.OpenRecordset("select \* from Userdata where Username like '" + User + "'")

Set re = db.OpenRecordset("select \* from Borrowedlist where Student like '" + User + "'")

Set c = db.OpenRecordset("select count(Student) as count from Borrowedlist where Student like '" + User + "'")

If c!Count = 0 Then

Label8.Caption = ""

Label13.Caption = ""

Label7.Caption = ""

Else

If c!Count = 1 Then

Label8.Caption = re!Book

Label13.Caption = ""

Label7.Caption = ""

Else

If c!Count = 2 Then

Label8.Caption = re!Book

re.MoveNext

Label13.Caption = re!Book

Label7.Caption = ""

Else

Label8.Caption = re!Book

re.MoveNext

Label13.Caption = re!Book

re.MoveNext

Label7.Caption = re!Book

End If

End If

End If

Set dd = db.OpenRecordset("Select \* from Userdata where Username like '" + User + "'")

Label10.Caption = dd!UserName

Label11.Caption = dd!Fullname

Label12.Caption = dd!phonenumber

End Sub



Form 10 (Student Form) :

Public db As Database

Public us As Recordset

Public br As Recordset

Public co As Recordset

Public bw As Recordset

Public bs As Recordset

Private Sub Command3\_Click()

If Combo1.Text = "" Then

MsgBox "Select book first", vbCritical, "Error"

Else

User = Form1.Text1.Text

Set bw = db.OpenRecordset("Select \* from Borrowedlist where Student like '" + User + "' and Book like '" + Combo1.Text + "'")

Set us = db.OpenRecordset("select \* from Userdata where Username like '" + User + "'")

Set br = db.OpenRecordset("select \* from Books where Bookname like '" + Combo1.Text + "'")

us.Edit

us!limit = us!limit + 1

us.Update

br.Edit

br!Count = br!Count + 1

br.Update

bw.Delete

Combo1.Clear

MsgBox "Book returned", vbOKOnly, "Succefull"

Call Form\_Load

End If

End Sub

Private Sub Form\_Load()

Dim User As String

User = Form1.Text1.Text

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

Set co = db.OpenRecordset("Select count(student) as c from Borrowedlist where Student like '" + User + "'")

Set bw = db.OpenRecordset("Select \* from Borrowedlist where Student like '" + User + "'")

For i = 0 To co!c

If bw.EOF Then

Exit For

Else

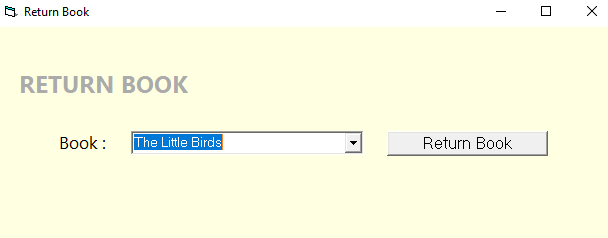
Combo1.AddItem (bw.Book)

bw.MoveNext

End If

Next

End Sub



Form 11 :

Public db As Database

Public rs As Recordset

Private Sub Command1\_Click()

Set rs = db.OpenRecordset("Select \* from Userdata where Username like '" + Text1.Text + "' and phonenumber like '" + Text2.Text + "'")

If rs.EOF Then

MsgBox "404 Not Found", vbCritical, "Phonenumber Or Username Incorrect"

Else

Command2.Visible = True

End If

End Sub

Private Sub Command2\_Click()

If Text3.Text = "" Then

MsgBox "Enter New Password", vbCritical, "Failed"

Else

rs.Edit

rs!Password = Text3.Text

rs.Update

MsgBox "Password Changed", vbOKOnly, "Successful"

Forgotpassword.hide

End If

End Sub

Private Sub Form\_Load()

Set db = OpenDatabase("C:\Program Files (x86)\Microsoft Visual Studio\VB98\Library Management System\Database.mdb")

End Sub

Private Sub hide1\_Click()

Text3.PasswordChar = "\*"

hide1.Visible = False

show1.Visible = True

End Sub

Private Sub Label4\_Click()

Form1.show

Forgotpassword.hide

End Sub

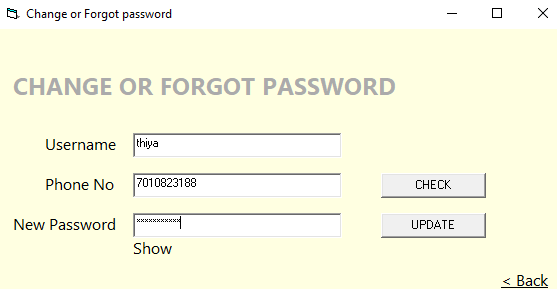
Private Sub show1\_Click()

Text3.PasswordChar = ""

hide1.Visible = True

show1.Visible = False

End Sub



Form 12 :

