Nehal’s DBManager class

Imports MySql.Data.MySqlClient

Public Class DBManagerEmployee

Private connectionString = "server=localhost;user id=root;password=;database=blueBuster;"

Private connect As MySqlConnection

Public Sub New()

Try

Me.connect = New MySqlConnection(connectionString)

Me.connect.Open()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

Public Sub testConnection()

If Me.connect.State = ConnectionState.Open Then

MsgBox("connect successfuly")

Else

MsgBox("not connected....")

End If

End Sub

' gets all users

Public Function getAllEmployee()

Dim query As String = "SELECT \* FROM users WHERE status = 1"

Dim dataset As New DataSet

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim adapter As New MySqlDataAdapter(cmd)

adapter.Fill(dataset, "users")

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return dataset.Tables("users").Rows

End Function

Public Function getAllEmployeeList() As List(Of employeeBean)

Dim query As String = "SELECT \* FROM users WHERE status = 1"

Dim dataset As New DataSet

Dim userlist As New List(Of employeeBean)

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim adapter As New MySqlDataAdapter(cmd)

adapter.Fill(dataset, "users")

' row("ID"),

For Each row As DataRow In dataset.Tables("clients").Rows

userlist.Add(New employeeBean(row("EmpNumber"), row("username"), row("password"), row("fname"), row("lname"), row("dob"), row("address"), row("city"), row("province"), row("postal"), row("phone"), row("cellphone"), row("dateCreated"), row("NAS"), row("salary"), row("education"), row("level"), row("status")))

Next

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return userlist

End Function

''' <summary>

''' search single users

''' </summary>

''' <param name="id"></param>

''' <returns></returns>

Public Function getSingleEmployee(ByVal id As Integer) As employeeBean

Dim query As String = "SELECT \* FROM users WHERE id = " & id

Dim employee = New employeeBean()

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim reader As MySqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

employee.EmpNumber = reader.GetString(0)

employee.Username = reader.GetString(1)

employee.Password = reader.GetString(2)

employee.Fname = reader.GetString(3)

employee.Lname = reader.GetString(4)

employee.Dob = reader.GetDateTime(5)

employee.Address = reader.GetString(6)

employee.City = reader.GetString(7)

employee.Province = reader.GetString(8)

employee.Postal = reader.GetString(9)

employee.Phone = reader.GetString(10)

employee.cellphone = reader.GetString(11)

employee.DateCreated = reader.GetDateTime(12)

employee.NAS = reader.GetString(13)

employee.Salary = reader.GetDouble(14)

employee.Education = reader.GetString(15)

employee.Level = reader.GetInt16(16)

employee.Status = reader.GetBoolean(17)

End If

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return employee

End Function

''' <summary>

''' add new employee

''' </summary>

''' <param name="employee"></param>

Public Sub addEmployee(ByVal employee As employeeBean)

Dim cmd As New MySqlCommand

' WHERE employee\_number <> '" & CInt(vNEmployee2.txt\_ENumber\_NEmployee2.Text) & "'

Try

cmd.Connection = Me.connect

cmd.CommandText = "INSERT INTO users VALUES(DEFAULT, @EmpNumber,@username,@password, @fname, @lname, @dob, @address, @city, @province, @postal, @phone,@Cellphone,@dateCreated, @NAS, @salary, @education, @level, @status) "

cmd.Parameters.AddWithValue("@EmpNumber", employee.EmpNumber)

cmd.Parameters.AddWithValue("@username", employee.Username)

cmd.Parameters.AddWithValue("@password", employee.Password)

cmd.Parameters.AddWithValue("@fname", employee.Fname)

cmd.Parameters.AddWithValue("@lname", employee.Lname)

cmd.Parameters.AddWithValue("@dob", employee.Dob)

cmd.Parameters.AddWithValue("@address", employee.Address)

cmd.Parameters.AddWithValue("@city", employee.City)

cmd.Parameters.AddWithValue("@province", employee.Province)

cmd.Parameters.AddWithValue("@postal", employee.Postal)

cmd.Parameters.AddWithValue("@phone", employee.Phone)

cmd.Parameters.AddWithValue("@Cellphone", employee.cellphone)

cmd.Parameters.AddWithValue("@dateCreated", employee.DateCreated)

cmd.Parameters.AddWithValue("@NAS", employee.NAS)

cmd.Parameters.AddWithValue("@salary", employee.Salary)

cmd.Parameters.AddWithValue("@education", employee.Education)

cmd.Parameters.AddWithValue("@level", employee.Level)

cmd.Parameters.AddWithValue("@status", employee.Status)

Dim rowAffected = cmd.ExecuteNonQuery()

MsgBox("Row Affected : " & rowAffected)

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed ")

End Try

End Sub

''' <summary>

''' edit employee

''' </summary>

''' <param name="editemployee"></param>

Public Sub editemployee(ByVal editemployee As employeeBean)

Dim cmd As New MySqlCommand

Try

cmd.Connection = Me.connect

cmd.CommandText = "UPDATE users SET employee\_number=@EmpNumber,username=@username,password=@password,fname=@fname,lname=@lname,dob=@dob,address=@address, city=@city, province=@province,postal\_code=@postal,home\_phone=@phone,cell\_phone=@cellphone,start\_date=@dateCreated, sin=@NAS, hourly\_pay=@salary,education=@education,level=@level,status=@status where employee\_number = '" & vEditEmployee.cbo\_select\_EEmployee.Text & "' "

cmd.Parameters.AddWithValue("@EmpNumber", editemployee.EmpNumber)

cmd.Parameters.AddWithValue("@username", editemployee.Username)

cmd.Parameters.AddWithValue("@password", editemployee.Password)

cmd.Parameters.AddWithValue("@fname", editemployee.Fname)

cmd.Parameters.AddWithValue("@lname", editemployee.Lname)

cmd.Parameters.AddWithValue("@dob", editemployee.Dob)

cmd.Parameters.AddWithValue("@address", editemployee.Address)

cmd.Parameters.AddWithValue("@city", editemployee.City)

cmd.Parameters.AddWithValue("@province", editemployee.Province)

cmd.Parameters.AddWithValue("@postal", editemployee.Postal)

cmd.Parameters.AddWithValue("@phone", editemployee.Phone)

cmd.Parameters.AddWithValue("@Cellphone", editemployee.cellphone)

cmd.Parameters.AddWithValue("@dateCreated", editemployee.DateCreated)

cmd.Parameters.AddWithValue("@NAS", editemployee.NAS)

cmd.Parameters.AddWithValue("@salary", editemployee.Salary)

cmd.Parameters.AddWithValue("@education", editemployee.Education)

cmd.Parameters.AddWithValue("@level", editemployee.Level)

cmd.Parameters.AddWithValue("@status", editemployee.Status)

'cmd.Parameters.AddWithValue("@ID", editemployee.ID)

cmd.ExecuteNonQuery()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

''' <summary>

''' Rent a video add to rent table

''' </summary>

''' <param name="client\_id"></param>

''' <param name="video\_id"></param>

''' <param name="rent\_date"></param>

Public Sub rentVideo(ByVal client\_id As Integer, ByVal video\_id As Integer, ByVal rent\_date As Date)

Dim cmd As New MySqlCommand

Try

cmd.Connection = Me.connect

cmd.CommandText = "INSERT INTO rents VALUES(DEFAULT, @client\_id, @video\_id, @rent\_date)"

cmd.Parameters.AddWithValue("@client\_id", client\_id)

cmd.Parameters.AddWithValue("@video\_id", video\_id)

cmd.Parameters.AddWithValue("@rent\_date", rent\_date)

cmd.ExecuteNonQuery()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

''' <summary>

''' get all the infos for videos been rent

''' </summary>

''' <param name="video\_id"></param>

''' <returns></returns>

Public Function returnVideoinfo(ByVal video\_id As Integer)

Dim infolist As New ArrayList

Dim query As String = "SELECT c.client\_number, c.fname, c.lname, r.rent\_date, v.photo FROM rents r JOIN vb\_videos v ON r.video\_fk = v.video\_id JOIN

clients c ON c.client\_id = r.client\_fk WHERE v.status = 2 AND r.video\_fk = " & video\_id

'infolist As New ArrayList

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim reader As MySqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

infolist.Add(reader.GetString(0))

infolist.Add(reader.GetString(1))

infolist.Add(reader.GetString(2))

infolist.Add(reader.GetDateTime(3))

infolist.Add(reader.GetString(4))

End If

reader.Close()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return infolist

End Function

Public Function getClientByNo(client\_no As String)

Dim query As String = "SELECT \* FROM clients WHERE client\_number = " & client\_no

Dim client = New clientBean()

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim reader As MySqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

'client.Id = reader.GetInt32(0)

client.Id = reader.GetString(1)

client.Fname = reader.GetString(2)

client.Lname = reader.GetString(3)

client.Email = reader.GetString(4)

client.Phone = reader.GetString(5)

client.Dob = reader.GetDateTime(6)

client.Address = reader.GetString(7)

client.City = reader.GetString(8)

client.Province = reader.GetString(9)

client.Postal = reader.GetString(10)

client.Status = reader.GetString(11)

End If

reader.Close()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return client

End Function

''' <summary>

''' get all client number

''' </summary>

''' <returns></returns>

Public Function getClientnos()

Dim query As String = "SELECT client\_number,fname,lname FROM clients WHERE status!=0"

Dim dataset As New DataSet()

Dim clientnolist As New ArrayList

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim adapter As New MySqlDataAdapter(cmd)

adapter.Fill(dataset, "clients")

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

For Each row As DataRow In dataset.Tables("clients").Rows

clientnolist.Add(row("client\_number"))

Next

Return clientnolist

End Function

Public Sub de\_rentVideo(ByVal id As Integer, ByVal status As Integer)

Dim cmd As New MySqlCommand

Try

cmd.Connection = Me.connect

cmd.CommandText = "UPDATE vb\_videos SET status = @status WHERE video\_id = @id"

cmd.Parameters.AddWithValue("@id", id)

cmd.Parameters.AddWithValue("@status", status)

cmd.ExecuteNonQuery()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

''' <summary>

''' get video by id

''' </summary>

''' <param name="id"></param>

''' <returns></returns>

Public Function getVideoByID(id As Integer)

Dim query As String = "SELECT \* FROM vb\_videos WHERE status!=0 AND video\_id = " & id

Dim video = New videoBean()

Try

Dim cmd As New MySqlCommand(query, Me.connect)

Dim reader As MySqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

video.VideoID = reader.GetInt32(0)

video.Photo = reader.GetString(1)

video.Title = reader.GetString(2)

video.Year = reader.GetString(3)

video.Country = reader.GetString(4)

video.Language = reader.GetString(5)

video.Length = reader.GetInt16(6)

video.Resume = reader.GetString(7)

video.Genre = reader.GetString(8)

video.Actor = reader.GetString(9)

video.Director = reader.GetString(10)

video.Status = reader.GetInt16(11)

End If

reader.Close()

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

Return video

End Function

' return video

'Public Function returnvideo(ByVal videoid As Long) As Long

' Dim cmd As New MySqlCommand

' Try

' cmd.Connection = Me.connect

' cmd.CommandText = "update videos status = 1 where video\_id =" & videoid

' Dim rowaffacted = cmd.ExecuteNonQuery()

' Return rowaffacted

' Catch ex As Exception

' MsgBox(ex.Message, MsgBoxStyle.Critical, "connection failed")

' Return 0

' End Try

'End Function

''' <summary>

''' deletes a single client

''' </summary>

''' <param name="id"></param>

Public Sub deleteemployee(ByVal id As Integer)

Dim cmd As New MySqlCommand

Try

cmd.Connection = Me.connect

cmd.CommandText = "UPDATE users SET status = 0 WHERE id = @id"

cmd.Parameters.AddWithValue("@id", id)

Dim rowAffected = cmd.ExecuteNonQuery()

MsgBox("Row Affected : " & rowAffected)

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

' display Employee

Public Sub Employee()

Try

Me.connect = New MySqlConnection(connectionString)

Me.connect.Open()

Dim query As String = "SELECT \* FROM users WHERE status = 1"

Dim datatable As New DataTable()

Dim cmd As New MySqlCommand(query, Me.connect)

Dim adapter As New MySqlDataAdapter(cmd)

adapter.Fill(datatable)

With VEmployeeList.dgv\_employeelist

.DataSource = datatable

.Columns(0).HeaderText = "ID"

.Columns(1).HeaderText = "Emp\_Num"

.Columns(2).HeaderText = "Username"

.Columns(3).HeaderText = "Password"

.Columns(4).HeaderText = "Fname"

.Columns(5).HeaderText = "Lname"

.Columns(6).HeaderText = "DOB"

.Columns(7).HeaderText = "Address"

.Columns(8).HeaderText = "City"

.Columns(9).HeaderText = "Province"

.Columns(10).HeaderText = "Code"

.Columns(11).HeaderText = "HomePhone"

.Columns(12).HeaderText = "Cellphone"

.Columns(13).HeaderText = "StartDate"

.Columns(14).HeaderText = "SIN"

.Columns(15).HeaderText = "Pay"

.Columns(16).HeaderText = "Education"

.Columns(17).HeaderText = "Level"

.Columns(18).HeaderText = "Status"

.Columns(0).Width = 30

.Columns(1).Width = 80

.Columns(2).Width = 80

.Columns(3).Width = 60

.Columns(4).Width = 60

.Columns(5).Width = 60

.Columns(6).Width = 80

.Columns(7).Width = 100

.Columns(8).Width = 80

.Columns(9).Width = 80

.Columns(10).Width = 80

.Columns(11).Width = 80

.Columns(12).Width = 80

.Columns(13).Width = 80

.Columns(14).Width = 80

.Columns(15).Width = 80

.Columns(16).Width = 80

.Columns(17).Width = 60

.Columns(18).Width = 60

End With

Catch ex As Exception

MsgBox(ex.Message, MsgBoxStyle.Critical, "Connection Failed")

End Try

End Sub

End Class