

INTRODUCTION

My Contact Book: is primarily meant for keeping the records of the persons.

Records consist of theirname, office address, home address, email id, designation, phone numbers etc. In the project most of the functions are handled.

My Contact Book will provide the basic set of features of adding a new contact, searching, updating, deleting a contact. It also provides the user to connect to other contacts.

The user can provide its feedback and can also give any suggestions.By successfully implementing the Contact Book: a substantial knowledge has been acquired regarding the implementation of the application based database system in order to store the records.

It is designed for people to store theinformation about their contacts. Rather than going through the pages of their diaries and copies tosearch a person information, a person can simply use this software to view any of his stored contacts.A user can also add or update or delete the contact information according to his need.

Big Organizations need to have this software in order to keep the records of thousands of his employees at one place without any paper work. Also registers maintained for this purpose can be left around, orcan be destroyed in any accident, but in software no such problem will occur.

OBJECTIVE

For easy and convenient processing we need to develop software which works as per our requirements. While preparing this software we got to remember few things i.e. this software must have a friendly environment, in other words it should not be much complicated to handle, it should have options for future modifications in the society.

For smooth functioning, we had to prepare a database by which we could enter the required data in their respective locations. In this data base all the records of daily transactions made are stored i.e. Contact Details , so that we can use them in future whenever needed. From security point of view this software has a special login name and password allotted to their Administrator.

Other than that no one could use this and on entering an illegal password or login name an error message get displayed.

The major specifications of project are:

- To allow only authorized user to access various function and processed available in the system.
- Locate any Contact wanted by the user.
- Reduced written work and problem of storing the diaries as most of the work done by computer.
- Provide greater speed & reduced time consumption

SCOPE

The main scope and deliverables of the project would be to:

- **Understand and prepare detailed user requirement and specifications**
- **Prepare high level and detailed design specifications of the system**
- **Prepare Test Plan & Test cases**
- **Develop the system and coding**
- **Perform unit testing, integration testing and system testing**
- **Demonstrate a bug free application after suitable modification, if needed**

APPLICABILITY

The application is to be deployed as a application based program which would be accessible to the issued people only.

Searching of contacts can be done and nothing can be done without entering inthe software as it is password protected.

DATABASE

Table Name: user

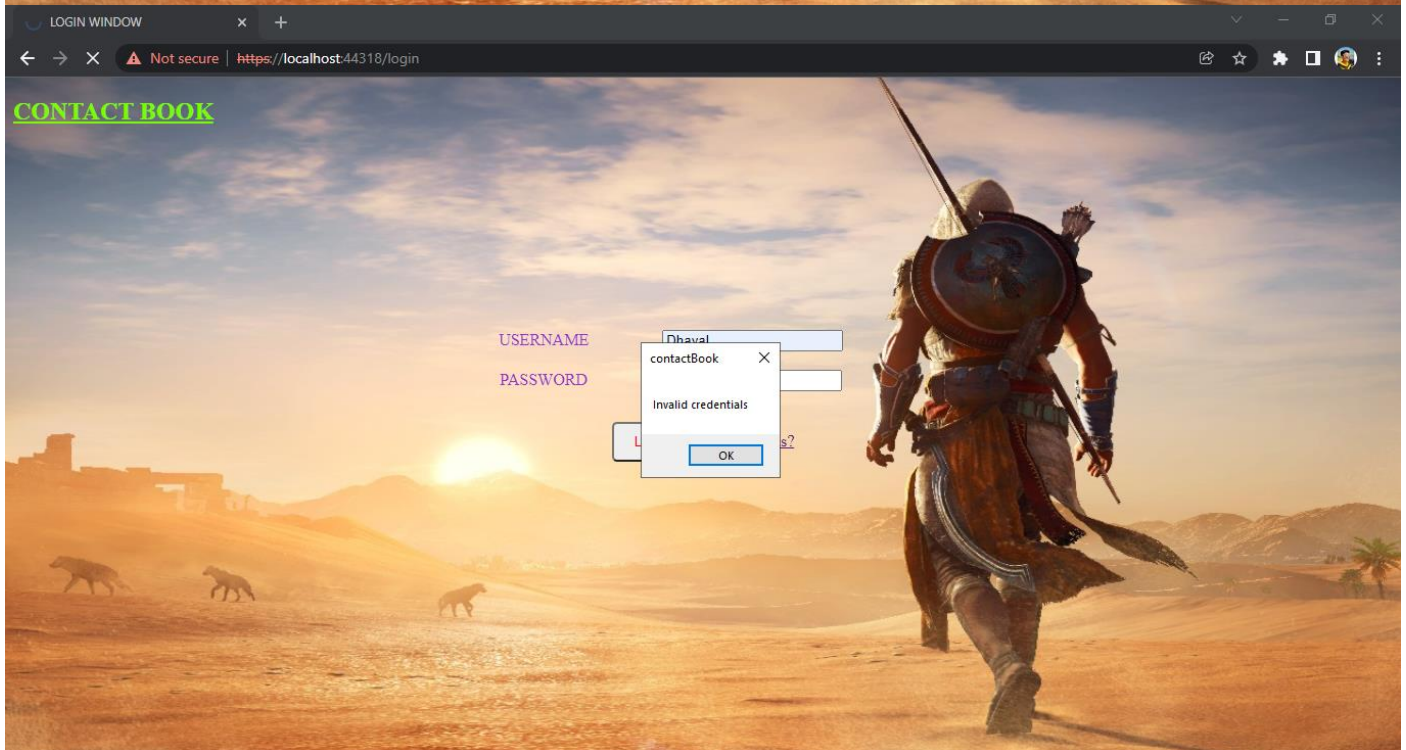
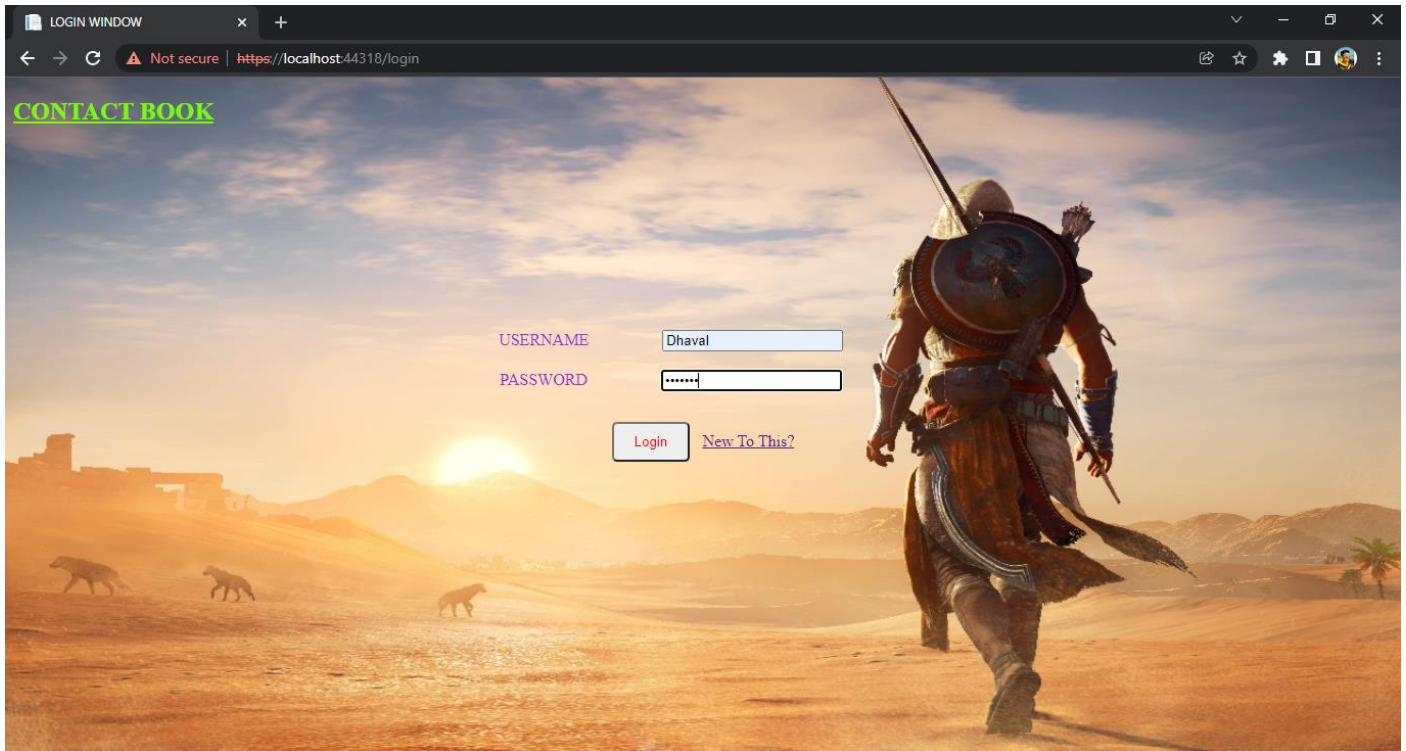
- A table for storing the new user registration or for retrieving the existed user

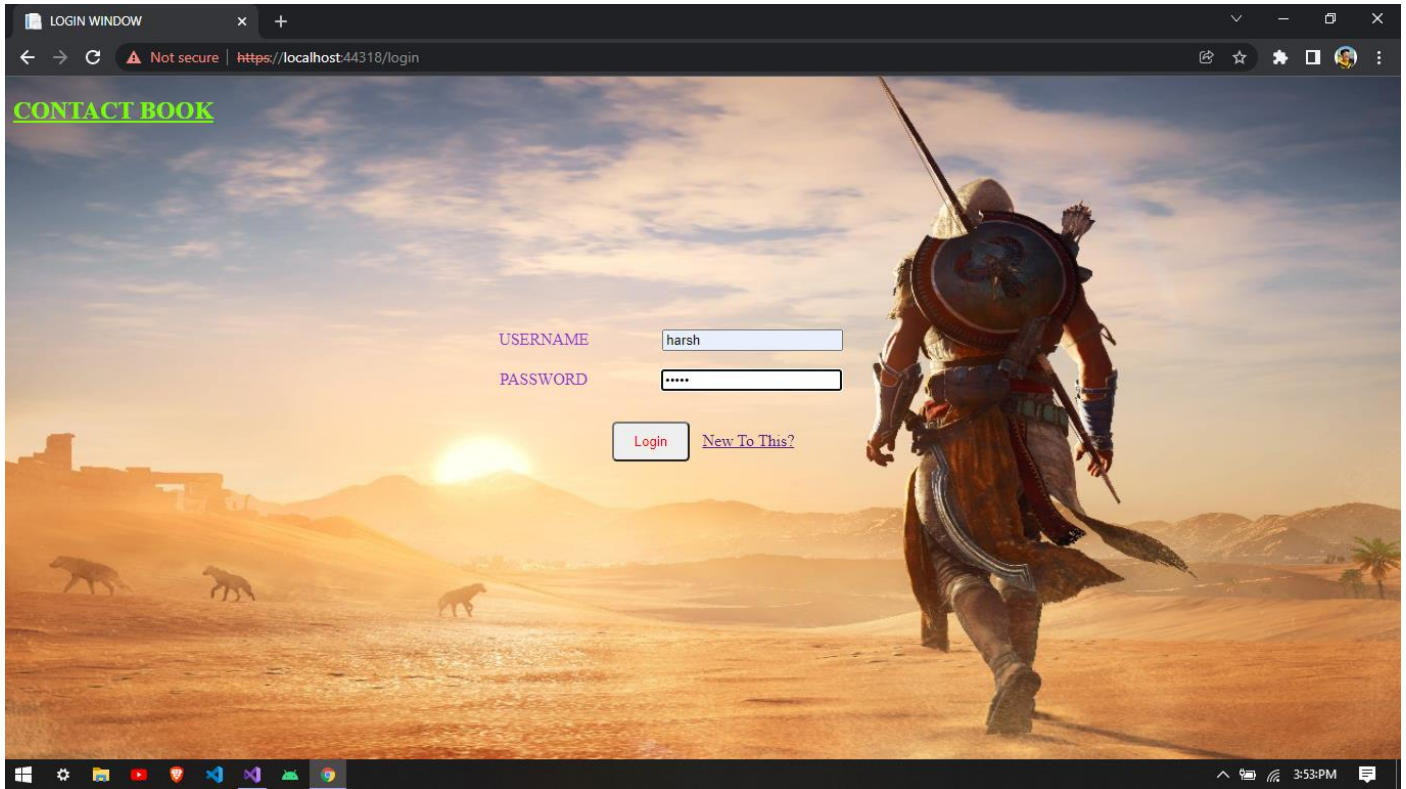
<i>FIELD NAME</i>	<i>FIELD TYPE</i>	<i>DESCRIPTION</i>
username	Short Text	Name of the registered user
password	Short Text	Password of the registered user

Table Name: contacts

- A table for storing the new contact or for retrieving the existed contact

<i>FIELD NAME</i>	<i>FIELD TYPE</i>	<i>DESCRIPTION</i>
ID	AutoNumber	An unique id for each contact
cname	Short Text	First name of the contact
cnum	Number	Dial number of the contact
ccity	Short Text	Address of the contact
Created_by	Short Text	Name of the registered user who creates the contact





login.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="login.aspx.vb"
Inherits="contactBook.login" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>LOGIN WINDOW</title>
  <style>
    .login {
      color:darkorchid;
      margin-top:200px;
      text-align:center;
    }
    #btnlogin {
      color:red;
      align-content:center;
      margin-top:12px;
      padding-top:10px;
```

[illegible]


```
</center>
</body>
</html>
```

login.aspx.vb

```
Imports System.Data.OleDb
Imports System.Data
```

```
Public Class login
    Inherits System.Web.UI.Page
```

```
    Dim cn As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\HP\source\repos\contactBook\My Project\contactBook.mdb")
```

```
    'DBConn = New OleDbConnection("PROVIDER=" _
    '& "Microsoft.Jet.OLEDB.4.0;" _
    '& "DATA SOURCE=" _
    '& Server.MapPath("LogIn.mdb;"))
```

```
    Protected Sub reset()
        tboxuser.Text = ""
        tboxpass.Text = ""
```

```
End Sub
```

```
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
```

```
        'Session.Timeout = 1
```

```
End Sub
```

```
    Protected Sub btnlogin_Click(sender As Object, e As EventArgs) Handles btnlogin.Click
```

```
        Try
```

```
            If tboxuser.Text = "admin" And tboxpass.Text = "admin" Then
                Response.Redirect("adminpage.aspx")
```

```
            Else
```

```
                Dim qry As String
```

```
                qry = "select * from [user] where username='" & tboxuser.Text & "' and password='" & tboxpass.Text
& "'"
```

```
                cn.Open()
```

```
                Dim cmd = New OleDbCommand(qry, cn)
```

```
                Dim adp = New OleDbDataAdapter(cmd)
```

```
Dim ds As New DataSet()  
adp.Fill(ds)
```

```
Dim x As Integer  
x = ds.Tables(0).Rows.Count
```

```
If x = 0 Then  
    MsgBox("Invalid credentials")  
    reset()  
Else  
    Session("user") = tboxuser.Text  
    Session("password") = tboxpass.Text  
    Response.Redirect("userpage.aspx")
```

```
End If
```

```
End If
```

```
cn.Close()
```

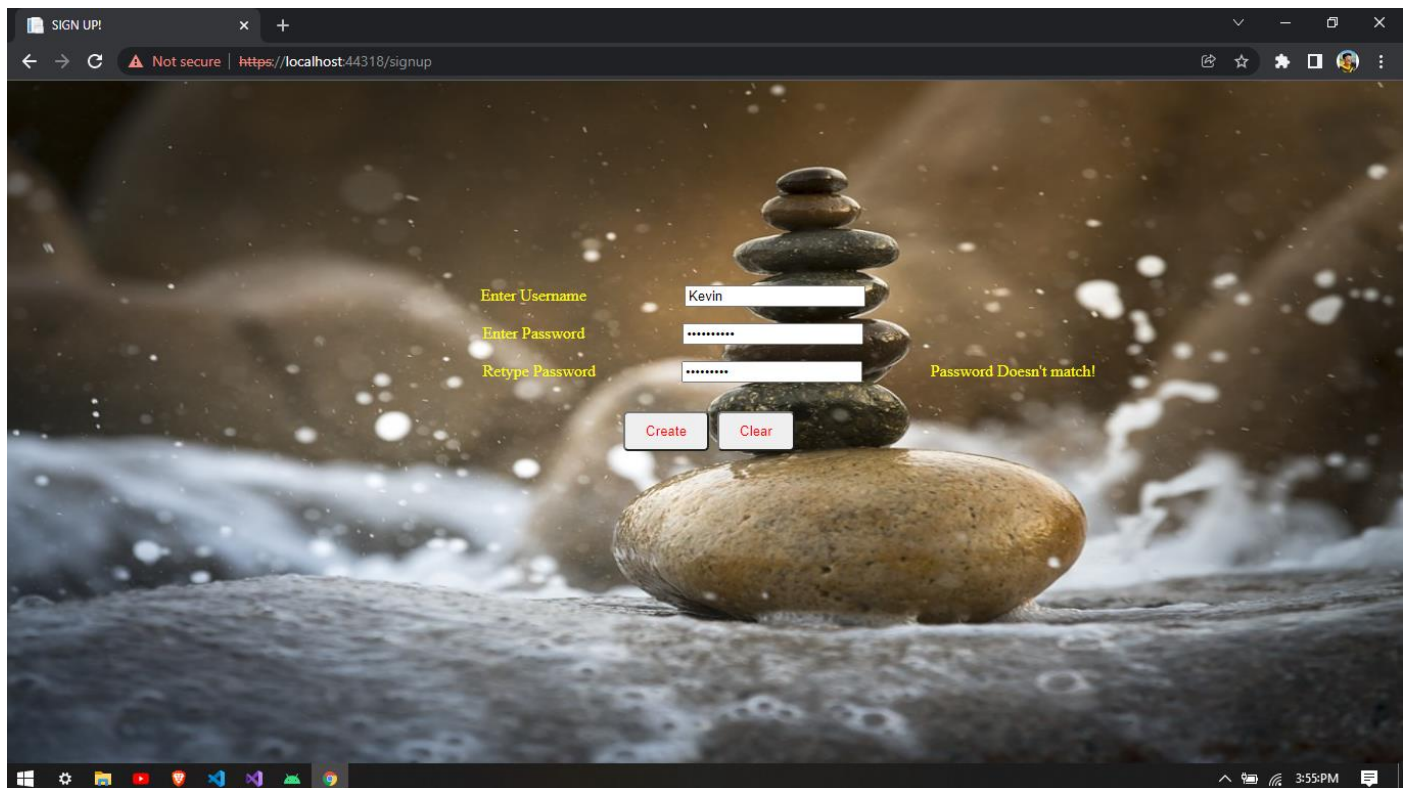
```
Catch ex As Exception
```

```
    MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
End Class
```



signup.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="signup.aspx.vb"  
Inherits="contactBook.signup" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title>SIGN UP!</title>
```

```
<style>
```

```
.signup {  
  
color:yellow;  
  
margin-top:200px;  
  
text-align:center;  
  
}
```

```
#btnclear, #btncreate {  
  
color:red;  
  
align-content:center;  
  
margin-top:12px;  
  
padding-top:10px;  
  
padding-left:20px;  
  
padding-bottom:10px;
```


</center>

</body>

</html>

signup.aspx.vb

Imports System.Data.OleDb

Public Class signup

Inherits System.Web.UI.Page

Dim cn As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\HP\source\repos\contactBook\My Project\contactBook.mdb")

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

End Sub

Protected Sub btnclear_Click(sender As Object, e As EventArgs) Handles btnclear.Click

tbuser.Text = ""

tbpass1.Text = ""

tbpass2.Text = ""

End Sub

Protected Sub btncreate_Click(sender As Object, e As EventArgs) Handles btncreate.Click

Try

Dim res As Integer

```
Dim qry = "insert into [user] ([username],[password]) values(@NAME,@PWD);"
```

```
'Dim qry = "insert into [user] ([username],[password]) values("'" & tbuser.Text & "','" & tbpass1.Text &
");"
```

```
cn.Open()
```

```
Dim cmd As New OleDbCommand(qry, cn)
```

```
cmd.Parameters.AddWithValue("@NAME", tbuser.Text)
```

```
cmd.Parameters.AddWithValue("@PWD", tbpass1.Text)
```

```
res = cmd.ExecuteNonQuery()
```

```
MsgBox(res.ToString)
```

```
cn.Close()
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
End Class
```


ADMIN WINDOW
Not secure | https://localhost:44318/adminpage

USER TABLE

username	password
Kevin	qwertyuiop
admin	admin
harsh	12345
harshiv	12345

USERNAME: Kevin

PASSWORD:

Delete Update

CONTACT TABLE

ID	cname	cnum	ccity	created_by
1	harsh	485522	Surat	harsh
2	Dishang	69269875	Navsari	harshiv
3	Dhruvil	852014796	Valsad	harshiv
4	Dhruvil	69269875	Kutch	harsh
5	Haney	785515187	Mumbai	harsh

ADMIN WINDOW
Not secure | https://localhost:44318/adminpage

Kevin	qwertyuiop
admin	admin
harsh	12345
harshiv	12345

USERNAME: Kevin

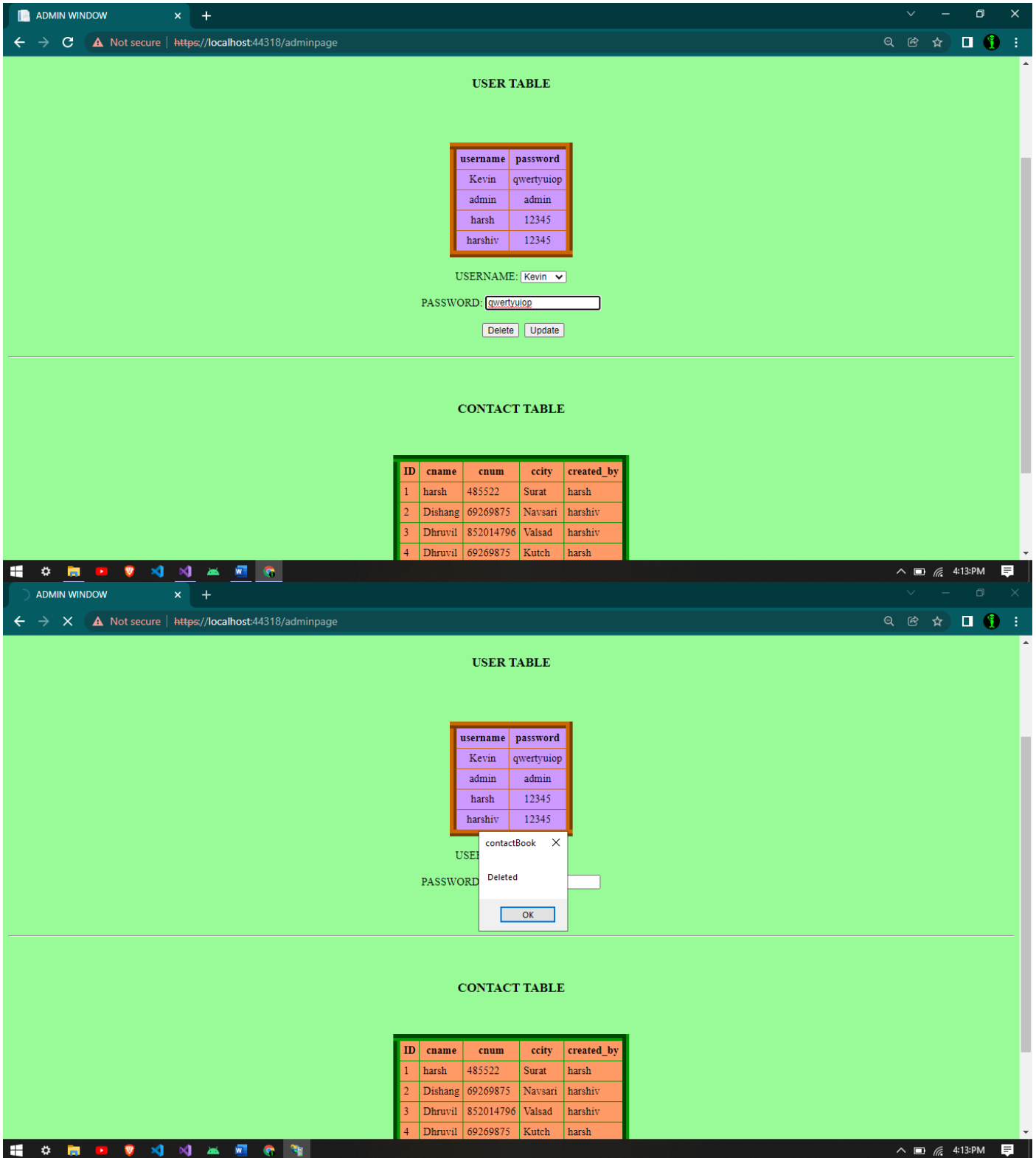
PASSWORD:

Delete Update

CONTACT TABLE

ID	cname	cnum	ccity	created_by
1	harsh	485522	Surat	harsh
2	Dishang	69269875	Navsari	harshiv
3	Dhruvil	852014796	Valsad	harshiv
4	Dhruvil	69269875	Kutch	harsh
5	Haney	785515187	Mumbai	harsh

LOGOUT



ADMIN WINDOW

Not secure | https://localhost:44318/adminpage

USER TABLE

username	password
Kevin	qwertyuiop
admin	admin
harsh	12345
harshiv	12345

USERNAME: Kevin

PASSWORD:

CONTACT TABLE

ID	cname	cnum	ccity	created_by
1	harsh	485522	Surat	harsh
2	Dishang	69269875	Navsari	harshiv
3	Dhruvil	852014796	Valsad	harshiv
4	Dhruvil	69269875	Kutch	harsh

contactBook X

Deleted

CONTACT TABLE

ID	cname	cnum	ccity	created_by
1	harsh	485522	Surat	harsh
2	Dishang	69269875	Navsari	harshiv
3	Dhruvil	852014796	Valsad	harshiv
4	Dhruvil	69269875	Kutch	harsh

adminpage.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="adminpage.aspx.vb"
Inherits="contactBook.adminpage" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title>ADMIN WINDOW</title>
```

```
<style>
```

```
.details {
```

```
color:black;
```

```
margin-top:200px;
```

```
text-align:center;
```

```
}
```

```
body{
```

```
background-color:palegreen;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form class="details" id="form1" runat="server">
```

```
<div>
```

```
</div>
```

```
&nbsp;<h3>USER TABLE</h3><br />
```



```
Dim adp = New OleDbDataAdapter(cmd)
```

```
Dim ds As New DataSet
```

```
adp.Fill(ds)
```

```
'GridViewUser.DataSource = ds.Tables(0)
```

```
'GridViewUser.DataBind()
```

```
End Sub
```

```
Protected Sub btndel_Click(sender As Object, e As EventArgs) Handles btndel.Click
```

```
Try
```

```
Dim qry As String
```

```
Dim res As Integer
```

```
    qry = "delete from [user] where username='" & DropDownUser.SelectedValue & "'and password='" &  
tbpass.Text & "'"
```

```
Dim cmd As New OleDbCommand(qry, cn)
```

```
cn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
GridViewUser.DataBind()
```

```
MsgBox("Deleted")
```

```
cn.Close()
```

```
Catch ex As Exception
```

```
    MsgBox(ex.ToString)
```

```
End Try
```


End Sub

Protected Sub btnupd_Click(sender As Object, e As EventArgs) Handles btnupd.Click

Try

Dim qry As String

qry = "update [user] set username='" & DropDownUser.SelectedValue & "' and password='" &
tbpass.Text & "'"

cn.Open()

Dim cmd = New OleDbCommand(qry, cn)

cmd.ExecuteNonQuery()

GridViewUser.DataBind()

cn.Close()

MsgBox("Updated")

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Protected Sub btndel0_Click(sender As Object, e As EventArgs) Handles btndel0.Click

Try

Dim qry As String

Dim res As Integer

```
qry = "delete from contact where cnum=" '& '.SelectedValue & ""
```

```
Dim cmd As New OleDbCommand(qry, cn)
```

```
cn.Open()
```

```
res = cmd.ExecuteNonQuery
```

```
GridViewUser.DataBind()
```

```
cn.Close()
```

```
MsgBox("Deleted")
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
Protected Sub btnupd0_Click(sender As Object, e As EventArgs) Handles btnupd0.Click
```

```
Try
```

```
Dim qry As String
```

```
Dim res As Integer
```

```
qry = "update contact set username='" & DropDownUser.SelectedValue & "'and password='" &  
tbpass.Text & """
```

```
Dim cmd As New OleDbCommand(qry, cn)
```

```
cn.Open()
```

```
res = cmd.ExecuteNonQuery
```

```
GridViewUser.DataBind()
```

```
cn.Close()
```

```
MsgBox("Updated")
```

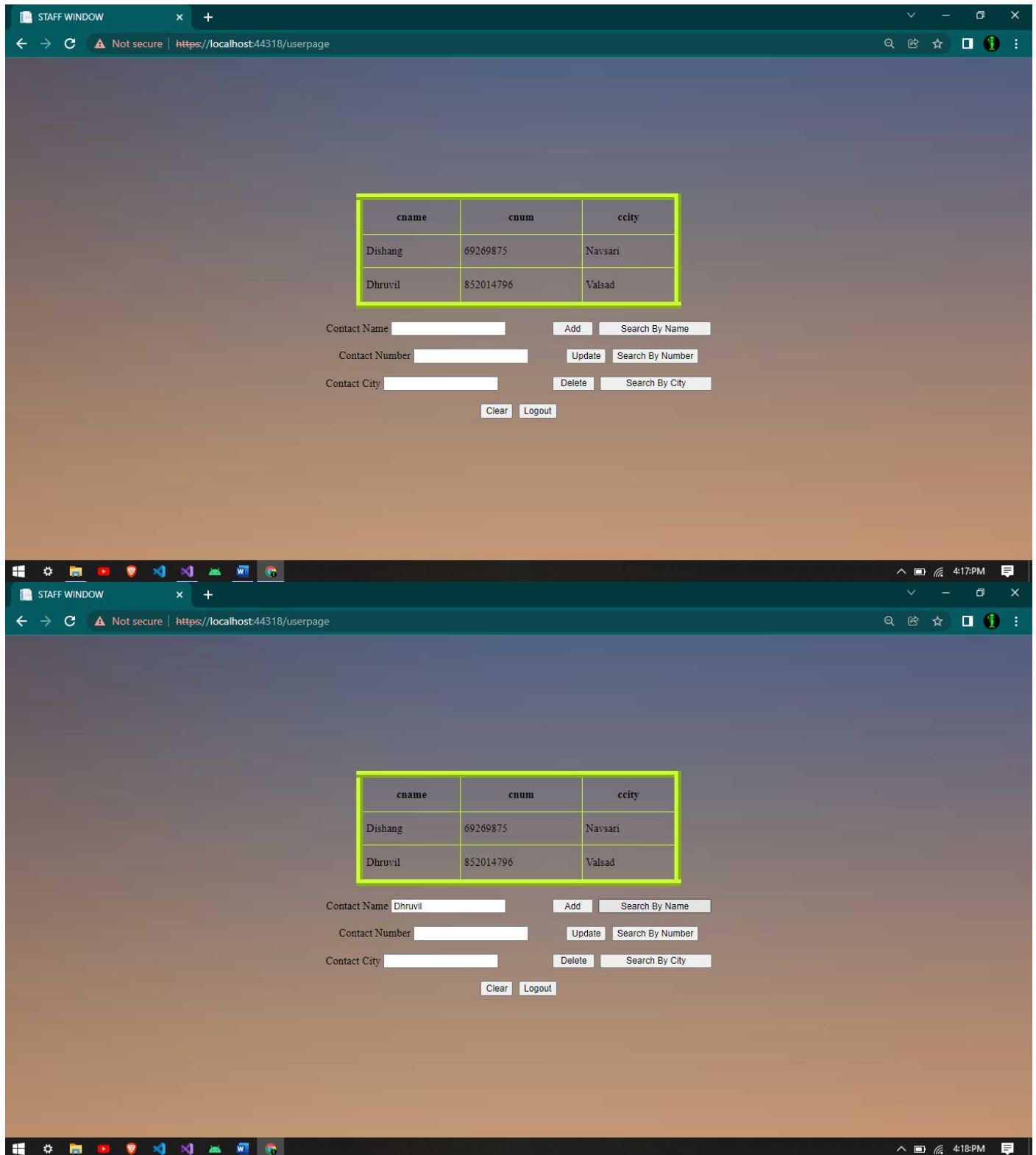
```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
End Class
```



The screenshot displays a web application interface for a staff window. The browser address bar shows the URL `https://localhost:44318/userpage`. The interface features a table with contact information and search controls.

cname	cnum	ccity
Dishang	69269875	Navsari
Dhruvil	852014796	Valsad

Below the table, there are search controls:

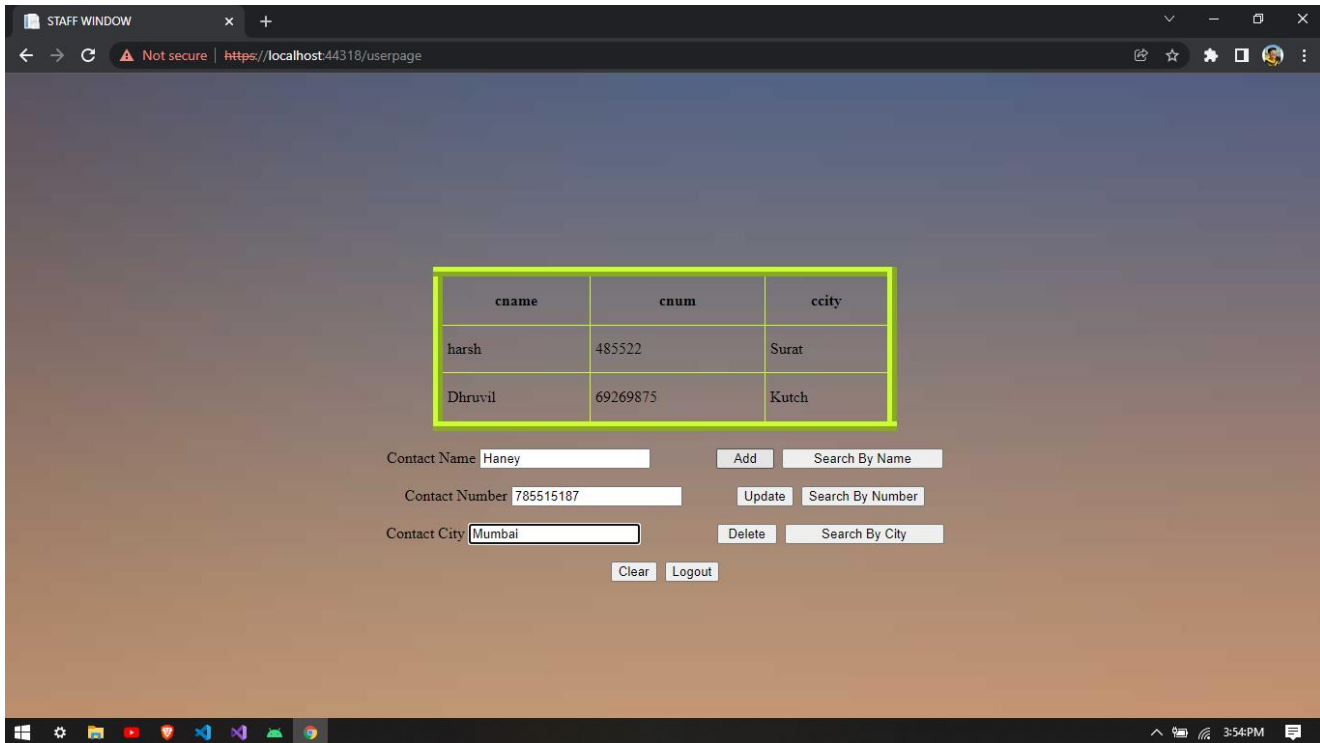
Contact Name Add Search By Name

Contact Number Update Search By Number

Contact City Delete Search By City

Clear Logout

The second screenshot shows the same interface with the 'Contact Name' field populated with 'Dhruvil'.



userpage.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="userpage.aspx.vb"
Inherits="contactBook.mainHome" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title>STAFF WINDOW</title>
```

```
<style>
```

```
.details {
```

```
color:black;
```

```
margin-top:200px;
```

```
text-align:center;
```

```
}
```

```
#btnlogin {
```

```
color:red;
```

```
align-content:center;
```

```
margin-top:12px;
```

```
padding-top:10px;
```

```
padding-left:20px;
```

```
padding-bottom:10px;
```

```
padding-right:20px;
```

```
border-radius:5px;
```

```
}
```

```
body {
```

```
background-image: url("img/slider2.jpg");
```

```
background-size: cover;
```

```
background-repeat: no-repeat;
```

```
background-attachment: fixed;
```

```
background-size: 100% 100%;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```



```
cn.Close()
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
Protected Sub btnUpd_Click(sender As Object, e As EventArgs) Handles btnUpd.Click
```

```
Try
```

```
Dim qry As String
```

```
qry = "update [contacts] set cname='" & tbname.Text & "' and cnum='" & tbnum.Text & "' and ccity='"  
& tbcity.Text & "'"
```

```
cn.Open()
```

```
Dim cmd = New OleDbCommand(qry, cn)
```

```
cmd.ExecuteNonQuery()
```

```
cn.Close()
```

```
MsgBox("Updated")
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
Protected Sub btnDel_Click(sender As Object, e As EventArgs) Handles btnDel.Click
```

```
Try
```

Dim qry As String

qry = "delete from [contacts] where cname='" & tbnname.Text & "'"

cn.Open()

Dim cmd = New OleDbCommand(qry, cn)

cmd.ExecuteNonQuery()

GridView1.DataBind()

cn.Close()

MsgBox("Updated")

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Protected Sub btnSrcName_Click(sender As Object, e As EventArgs) Handles btnSrcName.Click

Try

cn.Open()

Dim qry As String

qry = "select [cname],[cnum],[ccity] from [contacts] where cname='" & tbnname.Text & "'"

Dim cmd As New OleDbCommand(qry, cn)

Dim dr As OleDbDataReader

dr = cmd.ExecuteReader

While dr.Read

```
tbname.Text = dr.Item(1).ToString
```

```
tbnum.Text = dr.Item(2).ToString
```

```
tbcity.Text = dr.Item(3).ToString
```

```
End While
```

```
GridView1.DataBind()
```

```
cn.Close()
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
Protected Sub btnSrcNum_Click(sender As Object, e As EventArgs) Handles btnSrcNum.Click
```

```
Try
```

```
cn.Open()
```

```
Dim qry As String
```

```
qry = "select [cname],[cnum],[ccity] from [contacts] where cnum='" & tbnum.Text & "'"
```

```
Dim cmd As New OleDbCommand(qry, cn)
```

```
Dim dr As OleDbDataReader
```

```
dr = cmd.ExecuteReader
```

```
While dr.Read
```

```
tbname.Text = dr.Item(1).ToString
```

```
tbnum.Text = dr.Item(2).ToString
```

```
tbcity.Text = dr.Item(3).ToString
```

End While

GridView1.DataBind()

cn.Close()

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Protected Sub btnSrcCity_Click(sender As Object, e As EventArgs) Handles btnSrcCity.Click

Try

cn.Open()

Dim qry As String

qry = "select [cname],[cnum],[ccity] from [contacts] where ccity='" & tbcity.Text & "'"

Dim cmd As New OleDbCommand(qry, cn)

Dim dr As OleDbDataReader

dr = cmd.ExecuteReader

While dr.Read

tbname.Text = dr.Item(1).ToString

tbnum.Text = dr.Item(2).ToString

tbcity.Text = dr.Item(3).ToString

End While

GridView1.DataBind()

```
cn.Close()
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
End Try
```

```
End Sub
```

```
Protected Sub btnclr_Click(sender As Object, e As EventArgs) Handles btnclr.Click
```

```
tbcity.Text = ""
```

```
tbnum.Text = ""
```

```
tbname.Text = ""
```

```
End Sub
```

```
End Class
```


REFERENCES

<http://msdn.microsoft.com/en-us/vstudio/hh388573.aspx>

- It helped me clearing my doubts in vb.net

http://en.wikibooks.org/wiki/Visual_Basic_.NET

- Read the online book

<https://dotnet.microsoft.com/en-us/apps/aspnet>

- For understanding of various concepts