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<u>INTRODUCTION</u>

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.



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OBJECTIVE

For easy and convenient processing we need to develop software which works as per ourrequirements. 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 infuture 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 anillegal 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 inthe system.
- Locate any Contact wanted by the user.
- Reduced written work and problem of storing the diaries as most of the work done bycomputer.
- Provide greater speed & reduced time consumption



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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



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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 in the software as it is password protected.



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DATABASE

Table Name: user

A table for storing the new user registeration or for retrieving the existed user

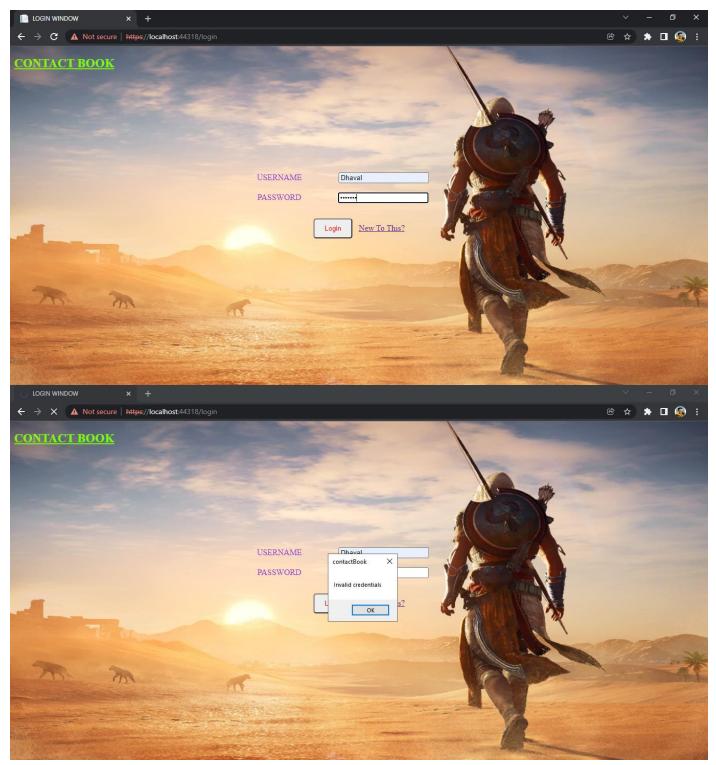
FIELD NAME	FIELD TYPE	DESCRIPTION
username	Short Text	Name of the registered
		user
password	Short Text	Password of the registered
		user

Table Name: contacts

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

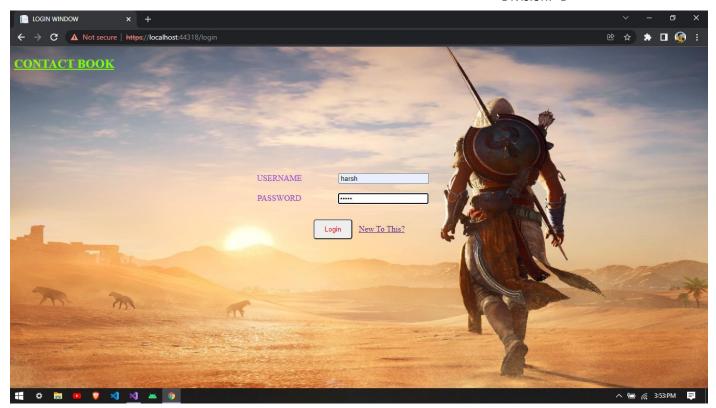
FIELD NAME	FIELD TYPE	DESCRIPTION
ID	AutoNumber	An unique id for each
		contact
cname	Short Text	First name of the contact
cnum	Number	Dial number of the contact
ccity	Short Text	Address of the contact
Created_by	Short Text	Name of the registered
		user who creates the
		contact







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login.aspx

```
<@ Page Language="vb" AutoEventWireup="false" CodeBehind="login.aspx.vb"
Inherits="contactBook.login" %>
<!DOCTYPE html>
<a href="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;
```



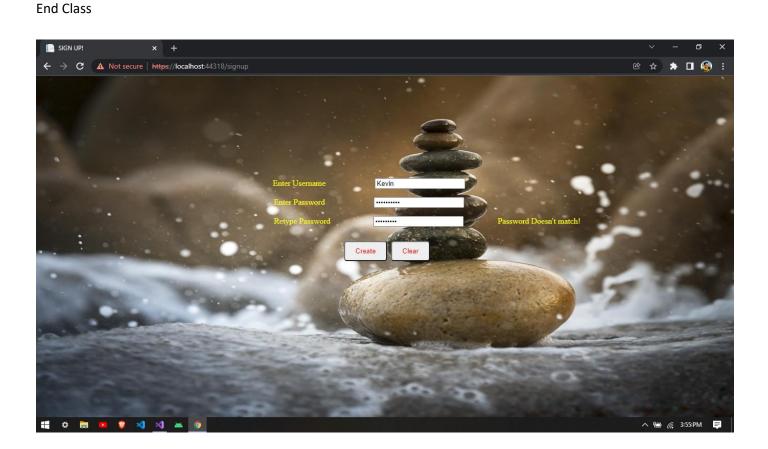
```
padding-left:20px;
     padding-bottom:10px;
     padding-right:20px;
     border-radius:5px;
     }
     body {
        background-image: url("img/assassins-creed.jpg");
        background-size: cover;
        background-repeat: no-repeat;
        background-attachment: fixed;
        background-size: 100% 100%;
     }
  </style>
</head>
<body >
  <h2 style="color:lawngreen;"><b><u>CONTACT BOOK</u></b></h2>
  <center>
  <form class="login" id="form1" runat="server">
        <asp:Label ID="Ibluser" runat="server" Text="USERNAME"></asp:Label>
                                                                                                                                                                                                                                                                                                                                                     
bsp;
        <asp:TextBox ID="tboxuser" runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="tboxuser" ErrorMessage="Required"></asp:RequiredFieldValidator>
        <br />
        <br />
        <asp:Label ID="lbluser0" runat="server" Text="PASSWORD"></asp:Label>
                                                                                                                                                                                                                                                                                                                                                     
bsp;
        <asp:TextBox ID="tboxpass" runat="server" TextMode="Password"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="tboxpass" ErrorMessage="Required"></asp:RequiredFieldValidator>
        <br />
        <br />
        <asp:Button ID="btnlogin" runat="server" Text="Login" />
      
        <asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/signup.aspx">New To
This?</asp:HyperLink>
     </div>
  </form>
```



```
</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
```





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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;
```



```
padding-right:20px;
     border-radius:5px;
     }
     #lblpass2 {
          padding-left: 165px;
     }
     body {
 background-image: url("img/balance.jpg");
 background-size: cover;
 background-repeat: no-repeat;
 background-attachment: fixed;
 background-size: 100% 100%;
}
  </style>
</head>
<body>
  <center>
  <form class="signup" id="form1" runat="server">
     >
        <asp:Label ID="lbluser" runat="server" Text="Enter Username"></asp:Label>
                                                                                                                                                                                                                                                                                                                                                     
bsp;    
        <asp:TextBox ID="tbuser" runat="server"></asp:TextBox>
```



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<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="tbuser"</p> ErrorMessage="Required"></asp:RequiredFieldValidator> > <asp:Label ID="lblpass1" runat="server" Text="Enter Password"></asp:Label> bsp; <asp:TextBox ID="tbpass1" runat="server" AutoCompleteType="Disabled" TextMode="Password"></asp:TextBox> <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="tbpass1" ErrorMessage="Required"></asp:RequiredFieldValidator> > <asp:Label ID="lblpass2" runat="server" Text="Retype Password"></asp:Label> bsp; <asp:TextBox ID="tbpass2" runat="server" TextMode="Password"></asp:TextBox> <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ControlToValidate="tbpass2"</p> ErrorMessage="Required"></asp:RequiredFieldValidator> <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="tbpass1" ControlToValidate="tbpass2" ErrorMessage="Password Doesn't match!"></asp:CompareValidator> > <asp:Button ID="btncreate" runat="server" Text="Create" /> <asp:Button ID="btnclear" runat="server" Text="Clear" /> </form>



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



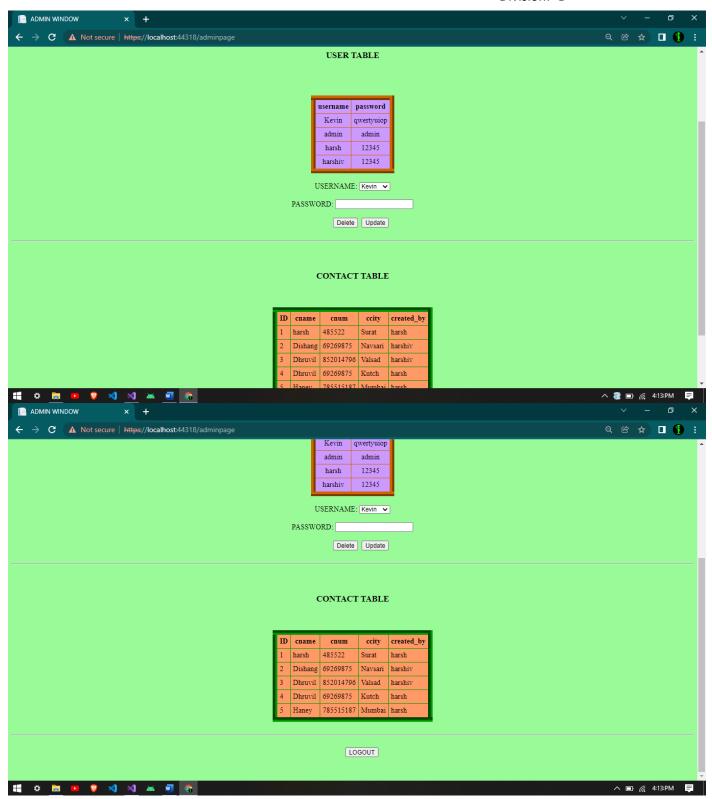
End Class

Name :- Harsh Panchal

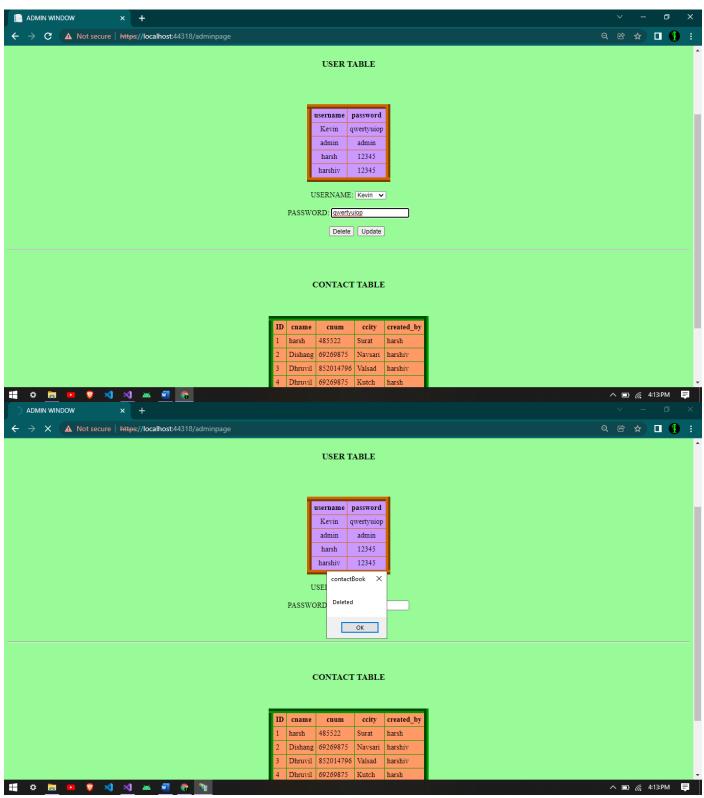
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Dim qry = "insert into [user] ([username],[password]) values(@NAME,@PWD);" 'Dim qry = "insert into [user] ([username],[password]) values('" & tbuser.Text & "','" & tbpass1.Text & "");" cn.Open() Dim cmd As New OleDbCommand(qry, cn) cmd.Parameters.AddWithValue("@NAME", 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**











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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>
   <h3>USER TABLE</h3><br />
```



```
<br />
   <br />
   <asp:GridView ID="GridViewUser" runat="server" AutoGenerateColumns="False"
DataSourceID="SqIDataSourceUser" BorderColor="#CC6600" CellPadding="5" CellSpacing="10"
HorizontalAlign="Center" BackColor="#CC99FF" BorderStyle="Inset" BorderWidth="10px">
     <Columns>
       <asp:BoundField DataField="username" HeaderText="username" SortExpression="username" />
       <asp:BoundField DataField="password" HeaderText="password" SortExpression="password" />
     </Columns>
   </asp:GridView>
   <center><asp:SqlDataSource ID="SqlDataSourceUser" runat="server" ConnectionString="<%$</pre>
ConnectionStrings:contactBookConnectionString %>" ProviderName="<%$
ConnectionStrings:contactBookConnectionString.ProviderName %>" SelectCommand="SELECT * FROM
[user]"></asp:SqlDataSource>
   <br />
     </center>
   USERNAME: <asp:DropDownList ID="DropDownUser" runat="server" DataSourceID="SqlDataSourceUser"
DataTextField="username" DataValueField="username">
   </asp:DropDownList>
   <br />
   <br />
   PASSWORD: <asp:TextBox ID="tbpass" runat="server"></asp:TextBox>
   <br />
   <br />
      
   <asp:Button ID="btndel" runat="server" Text="Delete" />
 <asp:Button ID="btnupd" runat="server" Text="Update" />
   <br />
```



```
<br />
   <hr />
   <br />
   <br />
   <h3>CONTACT TABLE</h3><br />
   <center>
 <asp:GridView ID="GridViewContact" runat="server" AutoGenerateColumns="False"
DataKeyNames="ID" DataSourceID="SqlDataSourceContact" BorderColor="#009900" BackColor="#FF9966"
BorderStyle="Groove" BorderWidth="10px" CellPadding="5" CellSpacing="10">
     <Columns>
       <asp:BoundField DataField="ID" HeaderText="ID" InsertVisible="False" ReadOnly="True"
SortExpression="ID" />
       <asp:BoundField DataField="cname" HeaderText="cname" SortExpression="cname" />
       <asp:BoundField DataField="cnum" HeaderText="cnum" SortExpression="cnum" />
       <asp:BoundField DataField="ccity" HeaderText="ccity" SortExpression="ccity" />
       <asp:BoundField DataField="created_by" HeaderText="created_by" SortExpression="created_by" />
     </Columns>
   </asp:GridView>
     </center>
   <asp:SqlDataSource ID="SqlDataSourceContact" runat="server" ConnectionString="<%$</p>
ConnectionStrings:contactBookConnectionString %>" ProviderName="<%$
ConnectionStrings:contactBookConnectionString.ProviderName %>" SelectCommand="SELECT * FROM
[contacts]"></asp:SqlDataSource>
         
     <hr/>
   <br />
       
     <asp:Button ID="Button1" runat="server" PostBackUrl="~/login.aspx" Text="LOGOUT" />
```



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>

</form>
</body>
</html>

adminpage.aspx.vb

Imports System.Data.OleDb

Imports System.Data

Imports System.Data.DataView

Imports System.Data.DataRowView

Public Class adminpage

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

Dim str = "select * from [user]"

Dim cmd As New OleDbCommand(str, cn)



```
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
```



Dim res As Integer

End Sub

Name :- Harsh Panchal

```
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
```



```
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)

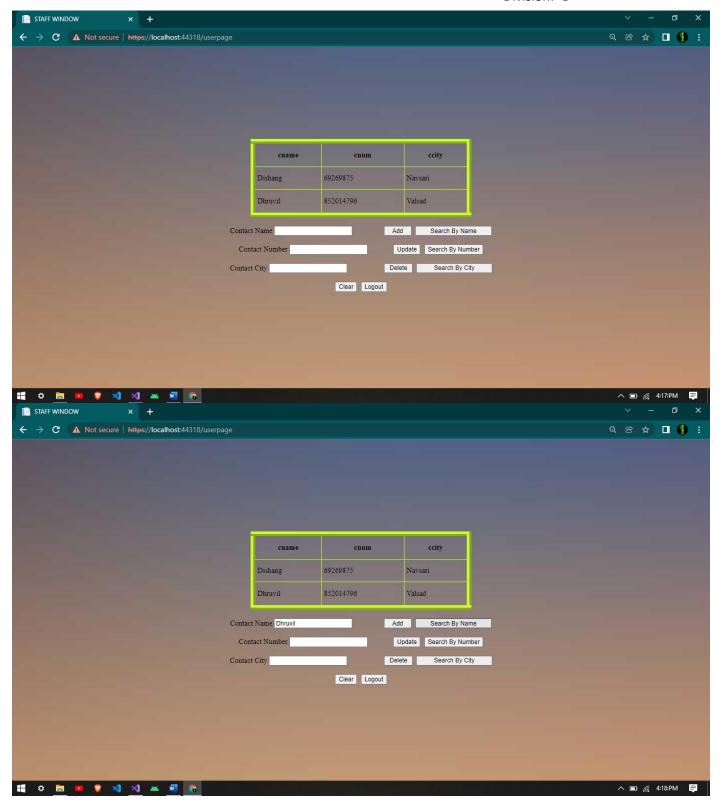
End Try

End Sub

End Class

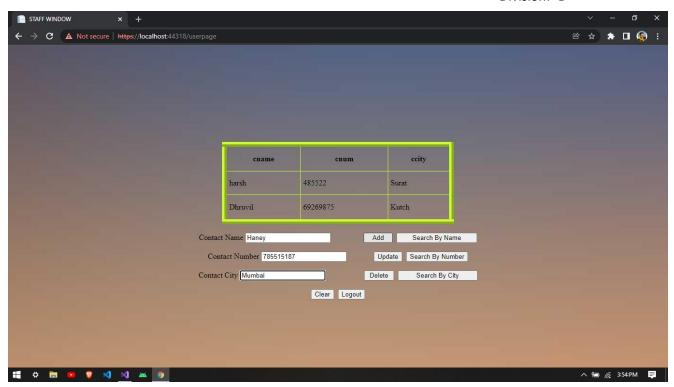
Name :- Harsh Panchal







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userpage.aspx



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```
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>
```

}



```
<center>
 <form class="details" id="form1" runat="server">
   <center>
   <asp:GridView ID="GridView1" runat="server" Height="170px" Width="480px"
AutoGenerateColumns="False" DataSourceID="SqlDataCont" BorderColor="#CCFF33" BorderStyle="Ridge"
BorderWidth="10px" CellPadding="5" CellSpacing="10">
     <Columns>
       <asp:BoundField DataField="cname" HeaderText="cname" SortExpression="cname" />
       <asp:BoundField DataField="cnum" HeaderText="cnum" SortExpression="cnum" />
       <asp:BoundField DataField="ccity" HeaderText="ccity" SortExpression="ccity" />
     </Columns>
   </asp:GridView>
     </center>
   <asp:SqlDataSource ID="SqlDataCont" runat="server" ConnectionString="<%$
ConnectionStrings:contactBookConnectionString %>" ProviderName="<%$
ConnectionStrings:contactBookConnectionString.ProviderName %>" SelectCommand="SELECT [cname],
[cnum], [ccity] FROM [contacts] WHERE ([created_by] = ?)">
     <SelectParameters>
       <asp:SessionParameter Name="created_by" SessionField="user" Type="String" />
     </SelectParameters>
   </asp:SqlDataSource>
   <br />
   Contact Name
   <asp:TextBox ID="tbname" runat="server"></asp:TextBox>
              
   <asp:Button ID="btnAdd" runat="server" Text="Add" Width="60px" />
 <asp:Button ID="btnSrcName" runat="server" Text="Search By Name" Width="167px" />
```

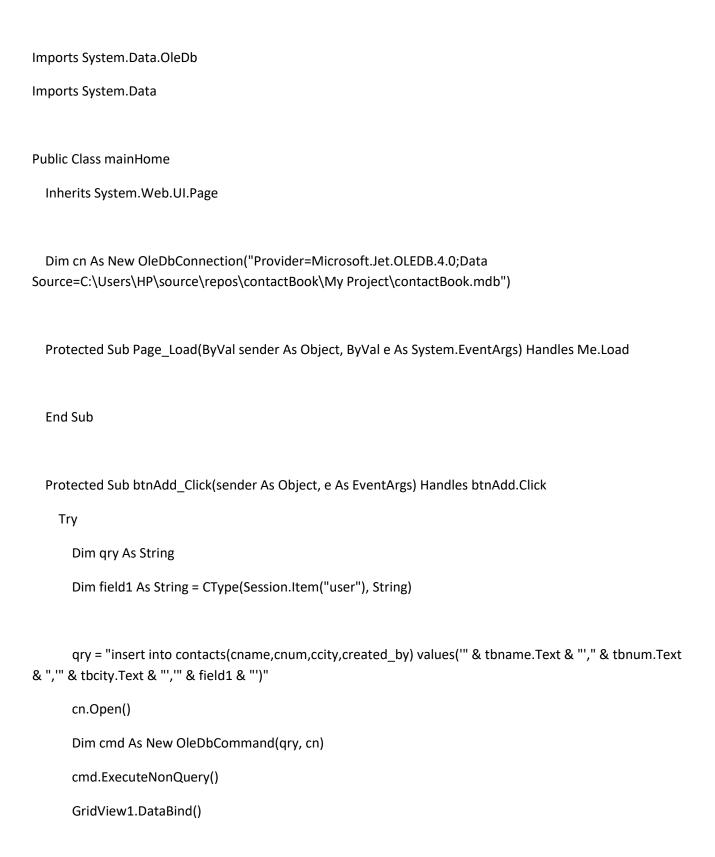


```
<br />
     <br />
    Contact Number <asp:TextBox ID="tbnum" runat="server"></asp:TextBox>
          
     <asp:Button ID="btnUpd" runat="server" Text="Update" />
 <asp:Button ID="btnSrcNum" runat="server" Text="Search By Number" />
    <br />
     <br />
    Contact City
     <asp:TextBox ID="tbcity" runat="server"></asp:TextBox>
                                                                                                                                                                                                                                                                                                                                                     
bsp;  
     <asp:Button ID="btnDel" runat="server" Text="Delete" Width="62px" />
 <asp:Button ID="btnSrcCity" runat="server" Text="Search By City" Width="165px" />
     <br />
     <br />
     <asp:Button ID="btnclr" runat="server" Text="Clear" />
 <asp:Button ID="btnexit" runat="server" PostBackUrl="~/login.aspx" Text="Logout" />
    <br />
  </form>
     </center>
</body>
</html>
```



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userpage.aspx.vb





```
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
```



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Dim qry As String qry = "delete from [contacts] where cname=" & tbname.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="" & tbname.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()
```



End Class

Name :- Harsh Panchal

```
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 = ""

End Sub
```



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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