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Lab no 11

Internet application development

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Aspx Code:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="lab11_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <h1><b>Lab no : 11 </b> </h1>
    <hr />

    <h2><b>Problem Statment</b></h2>
    <hr />
    <p><b> Disconnected Data Access</b> </p>
    <p><b>Consider the Pubs database. </b> </p>
    <p><b>Develop a web form which displays authors list with book titles they have
authored as shown below. </b> </p>

    <br />

    <hr />

    <h2><b> Lab Demo</b></h2>
    <p>click here : </p>
    <a href="lab11.aspx ">Lab 11 Demo</a>
    <hr />
    <h2><b>Lab Report : </b></h2>
    <div id="Div1" runat="server">

        <a href="lab11.pdf" download> Download Lab01 </a>
        <hr />
        <h2> <b>Output</b></h2>

        <br />
        <image></image>
        <br />
        <image></image>

    </div>

</body>
</html>
```

Vb Code:

```
Partial Class lab11_Default
    Inherits System.Web.UI.Page

End Class
```

Aspx Code:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="lab11.aspx.vb"
Inherits="lab11_lab11" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <h1 style="font-size:60px;"><b>List of Authors</b></h1>
        <div>
            <asp:Label ID="lstAuthor" runat="server"></asp:Label>
            <asp:Label id="lblResults" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```

Vb Code:

```
Imports System.Data
Imports System.Data.SqlClient
Partial Class lab11_lab11
    Inherits System.Web.UI.Page
    Private Sub FillAuthorList()
        Dim connectionString As String
        connectionString = "workstation id=pvfcdbs01.mssql.somee.com;packet
size=4096;user id=Ahmed01_SQLLogin_2;pwd=3m8wl51ewc;data
source=pvfcdbs01.mssql.somee.com;persist security info=False;initial catalog=pvfcdbs01"
        ' Define ADO.NET objects.
        Dim selectSQL As String
        selectSQL = "SELECT au_lname, au_fname, au_id FROM Authors"
        Dim con As New SqlConnection(connectionString)
        Dim cmd As New SqlCommand(selectSQL, con)
        Dim adapter As New SqlDataAdapter(cmd)
        Dim dsPubs As New DataSet()
```

```

' Try to open the database and read information.
Try
    con.Open()
    ' All the information is transferred with one command.
    adapter.Fill(dsPubs, "authors")
    cmd.CommandText = "SELECT au_id, title_id FROM titleauthor"
    adapter.Fill(dsPubs, "titleauthor")
    cmd.CommandText = "SELECT title_id, title FROM titles"
    adapter.Fill(dsPubs, "titles")
Catch err As Exception
    lblResults.Text = "Error reading the list of names. "
    lblResults.Text &= err.Message
Finally
    con.Close()
End Try

Dim Titles_TitleAuthor As New DataRelation("Titles_TitleAuthor",
dsPubs.Tables("titles").Columns("title_id"),
dsPubs.Tables("titleauthor").Columns("title_id"))
Dim Authors_TitleAuthor As New DataRelation("Authors_TitleAuthor",
dsPubs.Tables("authors").Columns("au_id"), dsPubs.Tables("titleauthor").Columns("au_id"))

dsPubs.Relations.Add(Titles_TitleAuthor)
dsPubs.Relations.Add(Authors_TitleAuthor)

For Each rowAuthor As DataRow In dsPubs.Tables("authors").Rows
    lstAuthor.Text &= "<br /><b>" & rowAuthor("au_fname")
    lstAuthor.Text &= " " & rowAuthor("au_lname") & "</b><br />"

    For Each rowTitleAuthor As DataRow In
rowAuthor.GetChildRows(Authors_TitleAuthor)
        For Each rowTitle As DataRow In
rowTitleAuthor.GetParentRows(Titles_TitleAuthor)
            lstAuthor.Text &= "    "
            lstAuthor.Text &= rowTitle("title") & "<br />"
        Next
    Next
Next
End Sub

Private Sub _Default_Load(sender As Object, e As EventArgs) Handles Me.Load
    FillAuthorList()
End Sub
End Class

```

Output:

Abraham Bennet

The Busy Executive's Database Guide

Reginald Blotchet-Halls

Fifty Years in Buckingham Palace Kitchens

Cheryl Carson

But Is It User Friendly?

Michel DeFrance

The Gourmet Microwave

Innes del Castillo

Silicon Valley Gastronomic Treats

Ann Dull

Secrets of Silicon Valley

Marjorie Green

The Busy Executive's Database Guide

You Can Combat Computer Stress!

Morningstar Greene**Burt Gringlesby**

Sushi, Anyone?

Sheryl Hunter

Secrets of Silicon Valley

Livia Karsen

Computer Phobic AND Non-Phobic Individuals: Behavior Variations

Charlene Locksley

Net Etiquette

Emotional Security: A New Algorithm

Stearns MacFeather

Cooking with Computers: Surreptitious Balance Sheets

Computer Phobic AND Non-Phobic Individuals: Behavior Variations

Heather McBadden**Michael O'Leary**

Cooking with Computers: Surreptitious Balance Sheets

Sushi, Anyone?

Sylvia Panteley

Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean