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1 Imports System
2 Imports System.Collections.Generic
3 Imports System.Data
4 Imports System.Data.OleDb
5 Imports System.Web.UI.WebControls
6
7 Partial Class AuthorInfo
8     Inherits System.Web.UI.Page
9     Dim control As New Controller
10    Dim conn As OleDbConnection
11    Dim royList As New List(Of Tuple(Of String, String))
12    Dim update_list As New List(Of CheckBox)
13
14    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
15        conn = control.GetConnection()
16        Dim sql As String = "SELECT Authors.Name AS Authors_Name, Authors.AID,
17            Authors.Sex, Publishers.Name AS Publishers_Name, Publishers.PID,
18            Royalties.Royalty " &
19
20            "FROM Publishers INNER JOIN (Authors INNER JOIN Royalties
21            ON Authors.[AID] = Royalties.[AID]) ON Publishers.[PID] =
22            Royalties.[PID] " &
23            "where authors.aid = @AID"
24
25        Dim cmd As New OleDb.OleDbCommand(sql, conn)
26        Dim idKey As String
27        Dim dbInfo As OleDbDataReader
28        Try
29            If String.IsNullOrEmpty(Request.QueryString("id")) = False Then
30                idKey = Request.QueryString("id")
31            End If
32            cmd.Parameters.AddWithValue("@AID", idKey)
33            conn.Open()
34            dbInfo = cmd.ExecuteReader()
35        Catch ex As Exception
36            greet.Text = ex.Message
37            Return
38        End Try
39
40        Dim cellCtr As Integer
41        Dim cellCnt As Integer
42        Dim tRowNum As Integer
43        cellCnt = 5
44        If dbInfo.HasRows Then
45            While dbInfo.Read()
46                Name.Text = dbInfo.Item(0).ToString
47                ID.Text = dbInfo.Item(1).ToString
48                sex.Text = dbInfo.Item(2).ToString
49
50                Dim tRow As New TableRow()
51                Dim newtuple As Tuple(Of String, String) = New Tuple(Of String, String)(
52                    dbInfo.Item(1).ToString(), dbInfo.Item(4).ToString())
53                royList.Add(newtuple)
54                For cellCtr = 1 To cellCnt
55
56                    Dim tCell As New TableCell()
57                    If cellCtr = 1 Then
58                        Dim hyplink As New HyperLink
59                        hyplink.Text = dbInfo.Item(3).ToString()
60                        hyplink.NavigateUrl = "PublisherInfo.aspx?id=" & dbInfo.Item(4).
61                            ToString
62                        tCell.Controls.Add(hyplink)
63                    ElseIf cellCtr = 2 Then
64                        tCell.Text = dbInfo.Item(4).ToString
65                    ElseIf cellCtr = 3 Then
66                        Dim tb As New TextBox With {
67                            .ID = "tb_" & Convert.ToString(tRowNum) & "_" &
68                                Convert.ToString(cellCtr),
69                            .Text = dbInfo.Item(5).ToString()
70                        }

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63         tCell.Controls.Add(tb)
64     ElseIf cellCtr = 4 Then
65         'add a checkbox for update
66         Dim chk As New CheckBox With {
67             .ID = Convert.ToString(tRowNum) & "_" & Convert.ToString(
                cellCtr)
68         }
69         update_list.Add(chk)
70         tCell.Controls.Add(chk)
71
72     End If
73
74     tRow.Cells.Add(tCell)
75
76     Next
77     tRowNum = tRowNum + 1
78     Table1.Rows.Add(tRow)
79 End While
80 End If
81
82 cmd.Dispose()
83 conn.Close()
84 End Sub
85 Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
86     Dim authID As String
87     authID = ID.Text
88     For Each chb As CheckBox In update_list
89         Dim newRoy As String
90         Dim parsas As Array
91         Dim cellx As Integer
92         Dim celly As Integer
93         Dim value As TextBox
94         Dim royalty As String
95         Dim pubID As String
96         If chb.Checked = True Then
97             newRoy = chb.ClientID
98             parsas = newRoy.Split("_").ToArray()
99             celly = parsas.GetValue(0)
100            cellx = parsas.GetValue(1)
101
102            value = Table1.Rows(celly + 1).Cells(cellx - 2).Controls.Item(0) 'out
            of 5 cells
103            royalty = value.Text 'this gets the updated royalties
104            pubID = Table1.Rows(celly + 1).Cells(cellx - 3).Text
105
106
107            conn = control.GetConnection()
108            Dim sql As String = "UPDATE Royalties SET Royalty = @royal WHERE PID =
                @pid and AID = @aid"
109            Dim cmd As New OleDb.OleDbCommand(sql, conn)
110            cmd.Parameters.AddWithValue("@royal", royalty)
111            cmd.Parameters.AddWithValue("@pid", pubID)
112            cmd.Parameters.AddWithValue("@aid", authID)
113            conn.Open()
114            cmd.ExecuteNonQuery()
115            cmd.Dispose()
116            conn.Close()
117        End If
118    Next
119
120    Response.Redirect(HttpContext.Current.Request.Url.ToString(), True)
121 End Sub
122 End Class
123

```