

Internet Application Development

Lab 10

Source Code

Homepage.aspx:

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Home Page</title>
  <style>body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
  }

  header {
    background-color: #343a40;
    color: #fff;
    padding: 50px 0;
    text-align: center;
  }

  .navbar {
    background-color: #778899;
    padding: 10px 0;
    text-align: center;
  }

  .container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
  }
</head>
</html>
```

```

        border: 1px solid #ddd;
        border-radius: 5px;
    }

    form {
        text-align: center;
    }
    .form-group {
        margin-bottom: 20px;
    }

    label {
        display: block;
        text-align:left;
        margin-left:60px;
    }

    input {
        width: calc(80% - 20px);
        padding: 10px;
        border: 1px solid #ddd;
        margin:10px;
        border-radius: 5px;
    }
</style>
</head>
<body>
    <header>
        <h1>Choose Identity</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <asp:Button ID="btn1" runat="server" Text="Teacher"
CssClass="btn" />
            <br />
            <br />
            <asp:Button ID="btn2" runat="server" Text="Student"
CssClass="btn" />
        </div>
    </form>
</body>
</html>

```

Homepage.vp.aspx

Partial Class _Default

Inherits System.Web.UI.Page

Protected Sub btn1_Click(sender As Object, e As EventArgs) Handles btn1.Click

Response.Redirect("Teacher_signup.aspx?userType=teacher")

End Sub

Protected Sub btn2_Click(sender As Object, e As EventArgs) Handles btn2.Click

Response.Redirect("Student_signup.aspx?userType=student")

End Sub

End Class

Student_login.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
<title>Student Login</title>
```

```
<style>body {
```

```
font-family: Arial, sans-serif;
```

```
margin: 0;
```

```
padding: 0;
```

```
background-color: #f0f0f0;
```

```
}
```

```
header {
```

```

        background-color: #343a40;
        color: #fff;
        padding: 50px 0;
        text-align: center;
    }

    .container {
        max-width: 600px;
        margin: 10px auto;
        padding: 20px;
        background-color: #f8f8f8;
        border: 1px solid #ddd;
        border-radius: 5px;
    }

    form {
        text-align: center;
    }

    .form-group {
        margin-bottom: 20px;
    }

    label {
        display: block;
        text-align: left;
        margin-left: 60px;
    }

    input {
        width: calc(80% - 20px);
        padding: 10px;
        border: 1px solid #ddd;
        margin: 10px;
        border-radius: 5px;
    }
</style>
</head>
<body>
    <header>
        <h1>Login</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <h1><strong>Student Log-in Page</strong></h1>
            <br />

```

```

        <h3>Enter your Email:</h3>
        <asp:TextBox ID="txtbx1" placeholder="Email Address"
runat="server"></asp:TextBox>
        <h3>Enter your Password:</h3>
        <asp:TextBox ID="txtbx2" TextMode="Password"
placeholder="Password" runat="server"></asp:TextBox>
        <asp:Label ID="lbl1" runat="server" CssClass="error-
message" Text=""></asp:Label>
        <asp:Button ID="btn1" runat="server" Text="Log in"/>
    </div>
</form>
</body>
</html>

```

Student_login.vb.aspx:

```
Imports System.Data.SqlClient
```

```
Partial Class _Default
```

```
    Inherits System.Web.UI.Page
```

```
    Protected Sub btn1_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn1.Click
```

```
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
```

```
        Dim username As String = txtbx1.Text
```

```
        Dim password As String = txtbx2.Text
```

```
        Dim query As String = "SELECT COUNT(*) FROM Student_t WHERE
student_email = @student_email AND student_password =
@student_password"
```

```
        Using connection As New SqlConnection(connectionString)
```

```
            Using command As New SqlCommand(query, connection)
```

```
                command.Parameters.AddWithValue("@student_email",
username)
```

```
                command.Parameters.AddWithValue("@student_password",
password)
```

```
                connection.Open()
```

```

        Dim count As Integer =
Convert.ToInt32(command.ExecuteScalar())
        If count = 1 Then
            Response.Redirect("Student_pg.aspx?username=" &
username)
        Else
            lbl1.Text = "Invalid Credentials"
        End If
    End Using
End Using
End Sub

End Class

```

Teacher_login.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Teacher_login.aspx.vb" Inherits="_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Teacher Login</title>
    <style>body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f0f0f0;
    }

    header {
        background-color: #343a40;
        color: #fff;
        padding: 50px 0;
        text-align: center;
    }

    .container {
        max-width: 600px;
        margin: 10px auto;
        padding: 20px;
        background-color: #f8f8f8;
    }

```

```

        border: 1px solid #ddd;
        border-radius: 5px;
    }

    form {
        text-align: center;
    }

    .form-group {
        margin-bottom: 20px;
    }

    label {
        display: block;
        text-align:left;
        margin-left:60px;
    }

    input {
        width: calc(80% - 20px);
        padding: 10px;
        border: 1px solid #ddd;
        margin:10px;
        border-radius: 5px;
    }

</style>
</head>
<body>
    <header>
        <h1>Teacher Login</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <br />
            <h3>Enter your Email:</h3>
            <asp:TextBox ID="txtbx1" placeholder="Email Address"
runat="server"></asp:TextBox>
            <h3>Enter your Password:</h3>
            <asp:TextBox ID="txtbx2" TextMode="Password"
placeholder="Password" runat="server"></asp:TextBox>
            <asp:Label ID="lb11" runat="server" CssClass="error-
message"></asp:Label>
            <asp:Button ID="btn1" runat="server" Text="Login"/>

```

```

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

```

Teacher_login.vb.aspx:

```

Imports System.Data.SqlClient
Partial Class _Default
    Inherits System.Web.UI.Page
    Protected Sub btn1_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn1.Click
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        Dim username As String = txtbx1.Text
        Dim password As String = txtbx2.Text
        Dim query As String = "SELECT COUNT(*) FROM TEACHER_t WHERE
Teacher_email = @Teacher_email AND tecaher_password =
@teacher_password"
        Using connection As New SqlConnection(connectionString)
            Using command As New SqlCommand(query, connection)
                command.Parameters.AddWithValue("@Teacher_email",
username)
                command.Parameters.AddWithValue("@teacher_password",
password)
                connection.Open()
                Dim count As Integer =
Convert.ToInt32(command.ExecuteScalar())
                If count > 0 Then
                    Response.Redirect("Teacher_pg.aspx")
                Else
                    lbl1.Text = "Invalid Credentials!"
                End If
            End Using
        End Using
    End Sub
End Class

```

Student_pg.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Student_pg.aspx.vb" Inherits="_Default" %>
<!DOCTYPE html>

```



```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Student End</title>
  <style>body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
  }

  header {
    background-color: #343a40;
    color: #fff;
    padding: 50px 0;
    text-align: center;
  }

  .container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
  }

  form {
    text-align: center;
  }

  .form-group {
    margin-bottom: 20px;
  }

  label {
    display: block;
    text-align: left;
    margin-left: 60px;
  }

  input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    margin: 10px;
  }
</style>
</head>
<body>
  <div style="text-align: center; background-color: #343a40; color: #fff; padding: 50px 0; margin-bottom: 20px;">
    <h1 style="margin: 0;">Student End</h1>
  </div>
  <div style="background-color: #f8f8f8; padding: 20px; border: 1px solid #ddd; border-radius: 5px; margin-bottom: 20px;">
    <div style="text-align: center; padding: 10px 0 10px 60px;">
      <input type="text" style="width: 60%; padding: 10px; border: 1px solid #ddd; margin-bottom: 10px;" />
      <input type="submit" value="Submit" style="padding: 10px 20px; border: 1px solid #ddd; margin-left: 10px;" />
    </div>
  </div>
</body>
</html>
```

```

        border-radius: 5px;
    }

</style>
</head>
<body>
    <header>
        <h1>Quiz</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <div class="quiz-question">
                <h2>Question</h2>
                <asp:Label ID="lbl1" runat="server" Text="What is the
capital of France?"></asp:Label>
            </div>
            <ul class="radio-options">
                <asp:RadioButtonList ID="rbtn1"
runat="server"></asp:RadioButtonList>
            </ul>
            <br />
            <button id="btn1" runat="server" class="btn">Next</button>
            <br />
            <br />
            <button id="btn2" runat="server"
class="btn">Submit</button>
        </div>
    </form>
</body>
</html>

```

Student_pg.vb.aspx:

```
Imports System.Data.SqlClient
```

```
Partial Class _Default
```

```
    Inherits System.Web.UI.Page
```

```
    Dim correctAnswers As Integer
```

```
    Dim totalQuestions As Integer
```

```

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load
        If Not IsPostBack Then

```

```

        ViewState("totalQuestions") = 0
        ViewState("currentQuestionIndex") = 0
        ViewState("correctAnswers") = 0
        ViewState("totalQuestions") = GetTotalQuestions()
        Session("total") = GetTotalQuestions()
        LoadQuestion()
    End If
End Sub

Protected Sub Btn1_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn1.ServerClick
    Dim currentQuestionIndex As Integer =
Convert.ToInt32(ViewState("currentQuestionIndex"))
    correctAnswers = Convert.ToInt32(ViewState("correctAnswers"))
    totalQuestions = Convert.ToInt32(ViewState("totalQuestions"))
    ProcessAnswer()
    currentQuestionIndex += 1
    ViewState("currentQuestionIndex") = currentQuestionIndex
    If currentQuestionIndex < totalQuestions Then
        LoadQuestion()
    Else
        Response.Redirect("Student_result_pg.aspx")
    End If
End Sub

Protected Sub Btn2_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn2.ServerClick
    Response.Redirect("Student_result_pg.aspx")
End Sub

Public Sub ProcessAnswer()
    Dim currentQuestionIndex As Integer =
Convert.ToInt32(ViewState("currentQuestionIndex"))
    correctAnswers = Convert.ToInt32(ViewState("correctAnswers"))

    If rbtn1.SelectedIndex <> -1 Then
        If IsCorrectAnswer(currentQuestionIndex,
rbtn1.SelectedValue) Then
            correctAnswers += 1
            ViewState("correctAnswers") = correctAnswers
            Session("correct") = correctAnswers
        End If
    End If
End Sub

Private Sub LoadQuestion()

```

```

        Dim currentQuestionIndex As Integer =
Convert.ToInt32(ViewState("currentQuestionIndex"))
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        Using connection As New SqlConnection(connectionString)
            Dim query As String = "SELECT * FROM Questions_t ORDER BY
question_id OFFSET @Offset ROWS FETCH NEXT 1 ROWS ONLY"

            Dim command As New SqlCommand(query, connection)
            command.Parameters.AddWithValue("@Offset",
currentQuestionIndex)

            connection.Open()
            Dim reader As SqlDataReader = command.ExecuteReader()
            If reader.Read() Then
                lbl1.Text = reader("question_text").ToString()
                rbtn1.Items.Clear()
                rbtn1.Items.Add(New
ListItem(reader("option1").ToString(), "1"))
                rbtn1.Items.Add(New
ListItem(reader("option2").ToString(), "2"))
                rbtn1.Items.Add(New
ListItem(reader("option3").ToString(), "3"))
                rbtn1.Items.Add(New
ListItem(reader("option4").ToString(), "4"))
            End If
            reader.Close()
        End Using
    End Sub

    Private Function IsCorrectAnswer(questionIndex As Integer,
selectedOption As String) As Boolean
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        Using connection As New SqlConnection(connectionString)
            Dim query As String = "SELECT correct_option FROM
Questions_t ORDER BY question_id OFFSET @Offset ROWS FETCH NEXT 1 ROWS
ONLY"

            Dim command As New SqlCommand(query, connection)
            command.Parameters.AddWithValue("@Offset", questionIndex)

```

```

        connection.Open()
        Dim correctOption As Integer =
Convert.ToInt32(command.ExecuteScalar())
        Return selectedOption.ToString() =
correctOption.ToString()
        End Using
    End Function

    Private Function GetTotalQuestions() As Integer
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        Using connection As New SqlConnection(connectionString)
            Dim query As String = "SELECT COUNT(*) FROM Questions_t"
            Dim command As New SqlCommand(query, connection)

            connection.Open()
            Dim total As Integer =
Convert.ToInt32(command.ExecuteScalar())
            Return total
        End Using
    End Function
End Class

```

Teacher_pg.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Teacher_pg.aspx.vb" Inherits="_Default" %>

```

```

<!DOCTYPE html>

```

```

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

```

```

<head runat="server">

```

```

    <title>Teacher End</title>

```

```

    <style>body {

```

```

        font-family: Arial, sans-serif;

```

```

        margin: 0;

```

```

        padding: 0;

```

```

        background-color: #f0f0f0;

```

```

    }

```

```

    header {

```

```

        background-color: #343a40;

```

```

        color: #fff;
        padding: 50px 0;
        text-align: center;
    }

    .container {
        max-width: 600px;
        margin: 10px auto;
        padding: 20px;
        background-color: #f8f8f8;
        border: 1px solid #ddd;
        border-radius: 5px;
    }

    form {
        text-align: center;
    }

    .form-group {
        margin-bottom: 20px;
    }

    label {
        display: block;
        text-align: left;
        margin-left: 60px;
    }

    input {
        width: calc(80% - 20px);
        padding: 10px;
        border: 1px solid #ddd;
        margin: 10px;
        border-radius: 5px;
    }

</style>
</head>
<body>
    <header>
        <h1>Add Questions</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <h3>Enter the question text:</h3>

```

```

        <textarea id="textarea1" runat="server"></textarea>
        <h3>Enter 1st option:</h3>
        <asp:TextBox ID="txtbx1" runat="server"></asp:TextBox>
        <h3>Enter 2nd option:</h3>
        <asp:TextBox ID="txtbx2" runat="server"></asp:TextBox>
        <h3>Enter 3rd option:</h3>
        <asp:TextBox ID="txtbx3" runat="server"></asp:TextBox>
        <h3>Enter 4th option:</h3>
        <asp:TextBox ID="txtbx4" runat="server"></asp:TextBox>
        <h3>Enter the correct option:</h3>
        <asp:TextBox ID="txtbx5" runat="server"></asp:TextBox>
        <button id="btn1" runat="server">Add Question</button>
        <asp:Label ID="lbl1" runat="server"></asp:Label>
        <button id="btn2" runat="server">Show Table</button>
        <br />
    </div>
</form>
</body>
</html>

```

Teacher_pg.vb.aspx:

```

Imports System
Imports System.Data.SqlClient
Partial Class _Default
    Inherits System.Web.UI.Page
    Protected Sub btn1_Click(sender As Object, e As EventArgs) Handles
btn1.ServerClick
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        If Not IsQuestionDuplicate(textarea1.Value, connectionString)
Then
            Dim query As String = "INSERT INTO Questions_t
(question_text, option1, option2, option3, option4, correct_option)
VALUES (@questionText, @option1, @option2, @option3, @option4,
@correctOption)"
            Using connection As New SqlConnection(connectionString)
                Using command As New SqlCommand(query, connection)
                    command.Parameters.AddWithValue("@questionText",
textarea1.Value)
                    command.Parameters.AddWithValue("@option1",
txtbx1.Text)

```

```

        command.Parameters.AddWithValue("@option2",
txtbx2.Text)
        command.Parameters.AddWithValue("@option3",
txtbx3.Text)
        command.Parameters.AddWithValue("@option4",
txtbx4.Text)
        command.Parameters.AddWithValue("@correctOption",
Convert.ToInt32(txtbx5.Text))
        connection.Open()
        Dim rowsAffected As Integer =
command.ExecuteNonQuery()
        If rowsAffected > 0 Then
            lbl1.Text = "The question is added
successfully!"
        Else
            lbl1.Text = "Failed to add the question.
Please try again."
        End If
    End Using
End Using
Else
    lbl1.Text = "The question already exists in the database.
Please enter a different question."
End If
End Sub

Protected Sub btn2_Click(sender As Object, e As EventArgs) Handles
btn2.ServerClick
    Response.Redirect("Display.aspx")

End Sub
Private Function IsQuestionDuplicate(questionText As String,
connectionString As String) As Boolean
    Dim query As String = "SELECT COUNT(*) FROM Questions_t WHERE
question_text = @questionText"
    Using connection As New SqlConnection(connectionString)
        Using command As New SqlCommand(query, connection)
            command.Parameters.AddWithValue("@questionText",
questionText)
            connection.Open()
            Dim count As Integer =
Convert.ToInt32(command.ExecuteScalar())
            Return count > 0
        End Using
    End Using
End Function

```


End Class

Student_result_pg.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Student_result_pg.aspx.vb" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Student Quiz Result</title>
    <style>body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f0f0f0;
    }

    header {
        background-color: #343a40;
        color: #fff;
        padding: 20px 0;
        text-align: center;
    }

    .container {
        max-width: 600px;
        margin: 10px auto;
        padding: 20px;
        background-color: #f8f8f8;
        border: 1px solid #ddd;
        border-radius: 5px;
    }

    form {
        text-align: center;
    }

    .form-group {
        margin-bottom: 20px;
    }

```

```

label {
    display: block;
    text-align:left;
    margin-bottom:60px;
    margin-left:60px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    margin:10px;
    border-radius: 5px;
}

</style>
</head>
<body>
    <header>
        <h1>Result</h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <div class="quiz-result">
                <asp:Label ID="lbl1" runat="server" Text="You scored
80%"></asp:Label>
            </div>
        </div>
    </form>
</body>
</html>

```

Student_result_pg.vb.aspx:

```

Imports System
Imports System.Data.SqlClient
Imports System.Configuration
Imports MySqlx.XDevAPI.Relational
Imports System.Web.UI.WebControls
Partial Class _Default
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load

```

```

        Dim correctAnswers As Integer =
Convert.ToInt32(Session("correct"))
        Dim totalQuestions As Integer =
Convert.ToInt32(Session("total"))

        lbl1.Text = "Quiz completed!<br /><br />Total Questions: " &
totalQuestions & "<br /><br />Correct Answers: " & correctAnswers
    End Sub
End Class

```

Student_signup.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Student_signup.aspx.vb" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Student Sign-up</title>
    <style>body {
font-family: Arial, sans-serif;
margin: 0;
padding: 0;
background-color: #f0f0f0;
}

header {
background-color: #343a40;
color: #fff;
padding: 50px 0;
text-align: center;
}

.container {
max-width: 600px;
margin: 10px auto;
padding: 20px;
background-color: #f8f8f8;
border: 1px solid #ddd;
border-radius: 5px;
}

form {
text-align: center;
}

```

```

.form-group {
    margin-bottom: 20px;
}

label {
    display: block;
    text-align:left;
    margin-left:60px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    margin:10px;
    border-radius: 5px;
}

```

```

</style>
</head>
<body>
    <header>
        <h1>
            <strong>Student Sign-up Page</strong>
        </h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <br />
            <h3>Enter your Username:</h3>
            <asp:TextBox ID="txtbx1" placeholder="Username"
runat="server"></asp:TextBox>
            <h3>Enter your Email:</h3>
            <asp:TextBox ID="txtbx2" placeholder="Email Address"
runat="server"></asp:TextBox>
            <h3>Enter your Password:</h3>
            <asp:TextBox ID="txtbx3" TextMode="Password"
placeholder="Password" runat="server"></asp:TextBox>
            <asp:Button ID="btn1" runat="server" Text="Sign up"/>
            <asp:Label ID="lbl1" runat="server" CssClass="error-
message" Text=""></asp:Label>
            <br />
            <h6>Already have an account? Login!</h6>
            <asp:Button ID="btn2" runat="server" Text="Login" />
        </div>

```

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

Student_signup.vb.aspx:

```
Imports System.Data.SqlClient
```

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

```
    Protected Sub btn1_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn1.Click
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mknvgvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"
        Dim username As String = txtbx1.Text
        Dim email As String = txtbx2.Text
        Dim password As String = txtbx3.Text
        If IsEmailExists(email, connectionString) Then
            lbl1.Text = "Email is already in use"
        Else
            InsertStudent(username, email, password, connectionString)
            Response.Redirect("Student_pg.aspx")
        End If
    End Sub
```

```
    Protected Sub btn2_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn2.Click
        Response.Redirect("Student_login.aspx")
    End Sub
```

```
    Private Function IsEmailExists(ByVal email As String, ByVal
connectionString As String) As Boolean
        Dim query As String = "SELECT COUNT(*) FROM STUDENT_t WHERE
student_email = @student_email"
        Using connection As New SqlConnection(connectionString)
            Using command As New SqlCommand(query, connection)
                command.Parameters.AddWithValue("@student_email",
email)
                connection.Open()
                Dim count As Integer =
Convert.ToInt32(command.ExecuteScalar())
                Return count > 0
            End Using
        End Using
    End Function
```

```

        End Using
    End Using
End Function
Private Sub InsertStudent(ByVal username As String, ByVal email As
String, ByVal password As String, ByVal connectionString As String)
    Dim query As String = "INSERT INTO STUDENT_t (student_name,
student_email, student_password) VALUES (@student_name,
@student_email, @student_password)"
    Using connection As New SqlConnection(connectionString)
        Using command As New SqlCommand(query, connection)
            command.Parameters.AddWithValue("@student_name",
username)
            command.Parameters.AddWithValue("@student_email",
email)
            command.Parameters.AddWithValue("@student_password",
password)
            connection.Open()
            command.ExecuteNonQuery()
        End Using
    End Using
End Sub

```

End Class

Teacher_signup.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Teacher_signup.aspx.vb" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Teacher Sign up</title>
    <style>body {
font-family: Arial, sans-serif;
margin: 0;
padding: 0;
background-color: #f0f0f0;
}
header {
background-color: #343a40;
color: #fff;
padding: 50px 0;
text-align: center;
}

```

```

.container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
}

form {
    text-align: center;
}

.form-group {
    margin-bottom: 20px;
}

label {
    display: block;
    text-align: left;
    margin-left: 60px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    margin: 10px;
    border-radius: 5px;
}

</style>
</head>
<body>
    <header>
        <h1>
            Sign up
        </h1>
    </header>
    <form id="form1" runat="server">
        <div class="container">
            <h3>Enter your Username:</h3>
            <asp:TextBox ID="txtbx1" placeholder="Username"
runat="server"></asp:TextBox>
            <h3>Enter your Email:</h3>

```

```

        <asp:TextBox ID="txtbx2" placeholder="Email Address"
runat="server"></asp:TextBox>
        <h3>Enter your Password:</h3>
        <asp:TextBox ID="txtbx3" TextMode="Password"
placeholder="Password" runat="server"></asp:TextBox>
        <asp:Button ID="btn1" runat="server" Text="Sign up"/>
        <asp:Label ID="lbl1" runat="server" CssClass="error-
message" Text=""></asp:Label>
        <div class="login-link">
            <h6>Already have an account?</h6>
            <asp:Button ID="btn2" runat="server" Text="Login" />
        </div>
    </div>
</form>
</body>
</html>

```

Teacher_signup.vb.aspx:

```

Imports System.Data.SqlClient
Partial Class _Default
    Inherits System.Web.UI.Page

```

```

    Protected Sub btn1_Click(ByVal sender As Object, ByVal e As
EventArgs) Handles btn1.Click
        Dim connectionString As String = "workstation
id=PVFC0000.mssql.somee.com;packet size=4096;user
id=Sabir_Hussain_SQLLogin_1;pwd=mw3mkngvgo;data
source=PVFC0000.mssql.somee.com;persist security info=False;initial
catalog=PVFC0000;TrustServerCertificate=True"

```

```

        Using connection As New SqlConnection(connectionString)
            Dim query As String = "SELECT COUNT(*) FROM TEACHER_t
WHERE teacher_email = @teacher_email"

```

```

            Using command As New SqlCommand(query, connection)
                command.Parameters.AddWithValue("@teacher_email",
txtbx2.Text)

```

```

                connection.Open()
                Dim count As Integer =
Convert.ToInt32(command.ExecuteScalar())

```

```

                If count > 0 Then
                    lbl1.Text = "Email already in use!"
                End If
            End Using
        End Sub

```



```

        Else
            query = "INSERT INTO TEACHER_t (Teacher_name,
teacher_email, tecaheer_password) VALUES (@Teacher_name,
@teacher_email, @teacher_password)"
            command.CommandText = query
            command.Parameters.Clear()
            command.Parameters.AddWithValue("@Teacher_name",
txtbx1.Text)
            command.Parameters.AddWithValue("@teacher_email",
txtbx2.Text)
            command.Parameters.AddWithValue("@teacher_password", txtbx3.Text)

            command.ExecuteNonQuery()
            Response.Redirect("Teacher_pg.aspx")
        End If
    End Using
End Using
End Sub

Protected Sub btn2_Click(sender As Object, e As EventArgs) Handles
btn2.Click
    Response.Redirect("Teacher_login.aspx")
End Sub
End Class

```