

IAD

Lab 11

Code Implementation:

Form.aspx:

```
<%@ Page Language="VB" Debug="true" AutoEventWireup="false" CodeFile="form.aspx.vb" Inherits="form"
%>
<!DOCTYPE html>
<html>
<head>
    <title>Form</title>
</style>
body{
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    justify-content: center;
    text-align: center;
    display: flex;
    justify-content: center;
    align-items: center;
    border-radius: 10px;
    box-shadow: 0 0 15px rgba(0,0,0,0.1);
    width: 50%;
    max-width: 500px;
    margin: 20px 100px 200px 400px;
    padding: 50px 50px 50px 50px;
    color: #333366;
    background-color: #f9f9f9;
}
</style>
</head>

<body>
    <form id="form1" runat="server">
        <h1>Quiz Application</h1>
        <strong> Who Are You? </strong> <br /> <br />
        <asp:RadioButtonList ID="rd1" runat="server">
            <asp:ListItem Text="Admin" Value="Admin"> </asp:ListItem>
            <asp:ListItem Text="Teacher" Value="Teacher"> </asp:ListItem>
            <asp:ListItem Text="Student" Value="Student"> </asp:ListItem>
        </asp:RadioButtonList>
        <br />
        <asp:Button ID="btn" runat="server" OnClick="btnClick_Me" Text="Submit" />
        <br />
        <asp:Label ID="lblmessage" runat="server" />
        <asp:Panel ID="Panel" runat="server" Visible="False">
```

```

        Username: <asp:TextBox ID="txtUsername" runat="server" /> <br /> <br />
        Password: <asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /> <br /> <br />
        <asp:Button ID="btn1" runat="server" OnClick="btnClick_Me1" Text="Login" />
        <asp:Label ID="lblmessage1" runat="server" />
    </asp:Panel>
<br/> <br/> For Testing and Validation Purpose: <br/> <br/>
Admin :<br/>
Username: Admin<br/>
Password: 1234<br/> <br/>
Teacher :<br/>
Username: Teacher<br/>
Password: T101<br/> <br/>
Student :<br/>
Username: Alishbah Bashir<br/>
Password: S001<br/>
Username: Fatima Zahra<br/>
Password: S002<br/>
Username: Ahmed Khan<br/>
Password: S003<br/>
Username: Sara Malik<br/>
Password: S004<br/>
.....
    </form>
</body>
</html>

```

Form.aspx.vb:

```

Imports System
Imports System.Data
Imports System.Data.SqlClient
Imports System.Web.UI

```

Partial Class form

```

    Inherits Page
    Protected Sub btnClick_Me(ByVal sender As Object, ByVal e As EventArgs)
        If rd1.SelectedValue="Teacher" Then
            Teacher()
        ElseIf rd1.SelectedValue="Student" Then
            Student()
        Else
            Admin()
        End If
    End Sub
    Private Sub Teacher()
        lblmessage.Text = "<h2>Enter your credentials:</h2>"
        Panel.Visible=True
    End Sub

```

```

Private Sub Student()
    lblmessage.Text = "<h2>Enter your credentials:</h2>"
    Panel.Visible=True
End Sub
Private Sub Admin()
    lblmessage.Text = "<h2>Enter your credentials:</h2>"
    Panel.Visible=True
End Sub

Protected Sub btnClick_Me1(ByVal sender As Object, ByVal e As EventArgs)
    If txtUsername.Text="Teacher" AND txtPassword.Text="T101" AND rd1.SelectedValue="Teacher" Then
        Response.Redirect("teacher.aspx")
    ElseIf rd1.SelectedValue = "Student" Then
        ValidateStudent(txtPassword.Text)

    ElseIf txtUsername.Text="Admin" AND txtPassword.Text="1234" AND rd1.SelectedValue="Admin"
    Then
        Response.Redirect("admin.asp")
    Else
        lblmessage1.Text = "<br/><br/>" & "Invalid Credentials! Try Again"
        lblmessage1.ForeColor = System.Drawing.Color.Red
    End If
End Sub

Private Sub ValidateStudent(ByVal studentId As String)
    Dim cons As String = "workstation id=SaaS_DB.mssql.somee.com;packet size=4096;user
id=alishbahbhashir_SQLLogin_1;pwd=rfa2ud4ko7;data source=SaaS_DB.mssql.somee.com;persist
security info=False;initial catalog=SaaS_DB;TrustServerCertificate=True"

    Dim con As New SqlConnection(cons)
    ' Modified query to get both student_id and name
    Dim cmd As New SqlCommand("SELECT student_id, name FROM record WHERE student_id =
@student_id", con)

    cmd.Parameters.AddWithValue("@student_id", studentId.Trim())

    Try
        con.Open()
        Dim reader As SqlDataReader = cmd.ExecuteReader()

        If reader.HasRows Then
            reader.Read()
            ' Set both student_id and name in session
            Session("StudentID") = reader("student_id").ToString()
            Session("StudentName") = reader("name").ToString()
            Session("Role") = "Student"
            Response.Redirect("student.aspx")
        Else

```

```

        lblmessage1.Text = "<br/><br/>Invalid Student ID! Please try again."
        lblmessage1.ForeColor = System.Drawing.Color.Red
    End If
    reader.Close()
Catch ex As Exception
    lblmessage1.Text = "<br/><br/>Error: " & ex.Message
    lblmessage1.ForeColor = System.Drawing.Color.Red
Finally
    con.Close()
End Try
End Sub
End Class

```

admin.asp:

```

<html>
<head runat="server">
    <title>Admin Portal</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;
            border-radius: 10px;
            box-shadow: 0 0 15px rgba(0,0,0,0.1);
            width: 50%;
            max-width: 500px;
            margin: 20px 100px 200px 400px;
            padding: 50px 50px 50px 50px;
            color: #333366;
            background-color: #f9f9f9;

        }
        h2 {
            color: #333;
        }
        .button-container {
            display: flex;
            flex-direction: column;
            gap: 20px;
            margin-top: 30px;
        }
        .admin-btn {
            background-color: #007bff;
            color: white;

```

```

padding: 12px 25px;
border: none;
border-radius: 6px;
font-size: 16px;
cursor: pointer;
text-align: center;
width: 250px;
transition: background-color 0.3s ease;
text-decoration: none;
}
.admin-btn:hover {
    background-color: #0056b3;
}
</style>
</head>
<body>
<h2>Welcome to Admin Portal</h2>
<div class="button-container">
    <a class="admin-btn" href="view_students.aspx">View Current Registered Students</a>
    <a class="admin-btn" href="add_students.aspx">Add Students</a>
    <a class="admin-btn" href="view_mcqs.aspx">View MCQs Added by Teachers</a>
    <a class="admin-btn" href="view_students.aspx">View Student Marks</a>
</div>
</body>
</html>

```

Add_students.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="add_students.aspx.vb"
Inherits="add_students" %>
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Add Student</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            padding: 40px;
            display: flex;
            justify-content: center;
        }
        .form-container {
            background-color: white;
            padding: 30px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0,0,0,0.1);
            width: 350px;

```

```

    }
    h2 {
        margin-bottom: 20px;
        color: #333;
    }
    input[type="text"] {
        width: 100%;
        padding: 10px;
        margin-bottom: 15px;
        border-radius: 4px;
        border: 1px solid #ccc;
    }
    .btn {
        background-color: #28a745;
        color: white;
        padding: 10px 20px;
        border: none;
        width: 100%;
        border-radius: 5px;
        cursor: pointer;
    }
    .btn:hover {
        background-color: #218838;
    }
    .message {
        margin-top: 15px;
        font-weight: bold;
    }
}
</style>
</head>
<body>
    <form id="form1" runat="server" class="form-container">
        <h2>Add Student</h2>
        <asp:TextBox ID="txtStudentID" runat="server" placeholder="Enter Student ID"></asp:TextBox><br />
        <asp:TextBox ID="txtName" runat="server" placeholder="Enter Name"></asp:TextBox><br />
        <asp:Button ID="btnAdd" runat="server" Text="Add Student" CssClass="btn"
        OnClick="btnAdd_Click" /><br />
        <asp:Label ID="lblMessage" runat="server" CssClass="message"></asp:Label>
    </form>
</body>
</html>

```

Add_students.aspx.vb:

```

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

```

Imports System.Web.UI

Partial Class add_students

Inherits Page

Protected Sub btnAdd_Click(ByVal sender As Object, ByVal e As EventArgs)

Dim cons As String

cons = "workstation id=SaaS_DB.mssql.somee.com;packet size=4096;user
id=alishbahbashir_SQLLogin_1;pwd=rfa2ud4ko7;data source=SaaS_DB.mssql.somee.com;persist
security info=False;initial catalog=SaaS_DB;TrustServerCertificate=True"

Dim con As New SqlConnection

con.ConnectionString = cons

Dim cmd As New SqlCommand

cmd.Connection = con

cmd.CommandText = "INSERT INTO record (student_id, name, obtained_marks) VALUES ('" & _
txtStudentID.Text & "', '" & txtName.Text & "', NULL)"

Try

con.Open()

cmd.ExecuteNonQuery()

lblMessage.Text = "Student added successfully!"

lblMessage.ForeColor = Drawing.Color.Green

Catch ex As Exception

lblMessage.Text = "Error: " & ex.Message

lblMessage.ForeColor = Drawing.Color.Red

Finally

con.Close()

End Try

End Sub

End Class

View_mcqs.aspx:

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

<!DOCTYPE html>

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

<head runat="server">

<title>View MCQs</title>

</head>

```

<body>
  <form id="form1" runat="server">
    <h2>Questions Added by Teachers</h2>
  </form>
</body>
</html>

```

View_mcqs.aspx.vb:

```

Imports System
Imports System.Web.UI
Imports System.Data
Imports System.Data.SqlClient
Imports System.Web.UI.WebControls

```

```

Partial Class view_mcqs
    Inherits Page

```

```

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load
        Dim cons As String
        cons = "workstation id=SaaS_DB.mssql.somee.com;packet size=4096;user
id=alishbahbhashir_SQLLogin_1;pwd=rfa2ud4ko7;data source=SaaS_DB.mssql.somee.com;persist
security info=False;initial catalog=SaaS_DB;TrustServerCertificate=True"

```

```

        Dim con As New SqlConnection(cons)
        Dim cmd As New SqlCommand("SELECT question_number, question_text, option_a, option_b,
option_c, option_d, correct_option FROM quiz", con)
        Dim dr As SqlDataReader

```

```

        Response.Write("<table border='1' cellpadding='5'>")
        Response.Write("<tr>")
        Response.Write("<th>Q#</th>")
        Response.Write("<th>Question</th>")
        Response.Write("<th>Option A</th>")
        Response.Write("<th>Option B</th>")
        Response.Write("<th>Option C</th>")
        Response.Write("<th>Option D</th>")
        Response.Write("<th>Correct Option</th>")
        Response.Write("</tr>")

```

```

    Try
        con.Open()
        dr = cmd.ExecuteReader()

```

```

    While dr.Read()
        Response.Write("<tr>")
        Response.Write("<td>" & dr("question_number") & "</td>")

```



```

        Response.Write("<td>" & dr("question_text") & "</td>")
        Response.Write("<td>" & dr("option_a") & "</td>")
        Response.Write("<td>" & dr("option_b") & "</td>")
        Response.Write("<td>" & dr("option_c") & "</td>")
        Response.Write("<td>" & dr("option_d") & "</td>")
        Response.Write("<td>" & dr("correct_option") & "</td>")
        Response.Write("</tr>")
    End While

    Response.Write("</table>")
Finally
    con.Close()
    cmd.Dispose()
End Try
End Sub
End Class

```

View_students.aspx:

```

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Students List</title>

</head>
<body>
    <form id="form1" runat="server">

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

```

View_students.aspx.vb:

```

Imports System
Imports System.Web.UI
Imports System.Data
Imports System.Data.SqlClient
Imports System.Web.UI.WebControls

Partial Class view_students
    Inherits Page

```

```

Protected Sub Retrieval(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load
    Dim cons As String
    cons = "workstation id=SaaS_DB.mssql.somee.com;packet size=4096;user
id=alishbahbashir_SQLLogin_1;pwd=rfa2ud4ko7;data source=SaaS_DB.mssql.somee.com;persist
security info=False;initial catalog=SaaS_DB;TrustServerCertificate=True"

    Dim con As New SqlConnection
    con.ConnectionString = cons

    Dim cmd As New SqlCommand
    cmd.Connection = con
    cmd.CommandText = "SELECT student_id, name, obtained_marks FROM record"

    Dim dr As SqlDataReader

    Response.Write("<h2>Registered Students</h2>")
    Response.Write("<table border='1' cellpadding='5'>")
    Response.Write("<tr>")
    Response.Write("<th>Student ID</th>")
    Response.Write("<th>Name</th>")
    Response.Write("<th>Obtained Marks</th>")
    Response.Write("</tr>")

    Try
        con.Open()
        dr = cmd.ExecuteReader()

        While dr.Read()
            Response.Write("<tr>")
            Response.Write("<td>" & dr("student_id").ToString() & "</td>")
            Response.Write("<td>" & dr("name").ToString() & "</td>")
            Response.Write("<td>" & If(IsDBNull(dr("obtained_marks")), "Not Available",
dr("obtained_marks").ToString()) & "</td>")
            Response.Write("</tr>")
        End While

        Response.Write("</table>")

    Finally
        con.Close()
        cmd.Dispose()
    End Try
End Sub

End Class

```

student.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
  <title>Student Quiz</title>
```

```
  <style>
```

```
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
      line-height: 1.6;
    }
```

```
    .question {
      margin-bottom: 20px;
      padding: 15px;
      border: 1px solid #ddd;
      border-radius: 5px;
      background-color: #f9f9f9;
    }
```

```
    .options {
      margin-left: 20px;
    }
```

```
    .submit-btn {
      padding: 10px 20px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 4px;
      cursor: pointer;
      font-size: 16px;
    }
```

```
    .submit-btn:hover {
      background-color: #45a049;
    }
```

```
    .result {
      margin-top: 20px;
      padding: 15px;
      background-color: #e7f3fe;
      border-left: 6px solid #2196F3;
    }
```

```
  </style>
```

```
</head>
```

```
<body>
```

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

```
    <h1>Welcome, <asp:Label ID="lblStudentName" runat="server" Text=""></asp:Label></h1>
```

```
    <h2>Quiz Questions</h2>
```

```

<asp:Panel ID="quizPanel" runat="server">
    <asp:Repeater ID="rptQuestions" runat="server"
OnItemDataBound="rptQuestions_ItemDataBound">
    <ItemTemplate>
        <div class="question">
            <asp:Label ID="lblQuestion" runat="server" Font-Bold="true"></asp:Label>
            <div class="options">
                <asp:RadioButtonList ID="rblOptions" runat="server">
                    <asp:ListItem Value="A"></asp:ListItem>
                    <asp:ListItem Value="B"></asp:ListItem>
                    <asp:ListItem Value="C"></asp:ListItem>
                    <asp:ListItem Value="D"></asp:ListItem>
                </asp:RadioButtonList>
                <asp:HiddenField ID="hdnQuestionNumber" runat="server" Value='<%#
Eval("question_number") %>' />
            </div>
        </div>
    </ItemTemplate>
</asp:Repeater>

    <asp:Button ID="btnSubmit" runat="server" Text="Submit Quiz" CssClass="submit-btn" />
</asp:Panel>

<asp:Panel ID="resultPanel" runat="server" Visible="false" CssClass="result">
    <h3>Quiz Results</h3>
    <p>Your score: <asp:Label ID="lblScore" runat="server" Font-Bold="true"></asp:Label></p>
    <p>Thank you for taking the quiz!</p>
</asp:Panel>
</form>
</body>
</html>

```

student.aspx.vb:

Imports System.Data

Imports System.Data.SqlClient

Partial Class student

Inherits System.Web.UI.Page

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

If Not IsPostBack Then

' Check if student is logged in

If Session("StudentID") Is Nothing Then

Response.Redirect("form.aspx")

End If

```

' Display student name
If Not Session("StudentName") Is Nothing Then
    lblStudentName.Text = Session("StudentName").ToString()
End If

' Load quiz questions
LoadQuestions()
End If
End Sub

Private Sub LoadQuestions()
    Dim connectionString As String = "workstation id=SaaS_DB.mssql.somee.com;packet
size=4096;user id=alishbahbashir_SQLLogin_1;pwd=rfa2ud4ko7;data
source=SaaS_DB.mssql.somee.com;persist security info=False;initial
catalog=SaaS_DB;TrustServerCertificate=True"
    Dim query As String = "SELECT question_number, question_text, option_a, option_b, option_c,
option_d, correct_option FROM quiz ORDER BY NEWID()"

    Using conn As New SqlConnection(connectionString)
        Using cmd As New SqlCommand(query, conn)
            conn.Open()
            Dim reader As SqlDataReader = cmd.ExecuteReader()

            If reader.HasRows Then
                rptQuestions.DataSource = reader
                rptQuestions.DataBind()
            Else
                quizPanel.Visible = False
                lblStudentName.Text &= " - No questions available yet."
            End If
        End Using
    End Using
End Sub

Protected Sub rptQuestions_ItemDataBound(ByVal sender As Object, ByVal e As
RepeaterItemEventArgs)
    If e.Item.ItemType = ListItemType.Item OrElse e.Item.ItemType = ListItemType.AlternatingItem
Then
        Dim lblQuestion As Label = CType(e.Item.FindControl("lblQuestion"), Label)
        Dim rblOptions As RadioButtonList = CType(e.Item.FindControl("rblOptions"), RadioButtonList)

        ' Get the current data item as IDataRecord
        Dim record As IDataRecord = CType(e.Item.DataItem, IDataRecord)

        ' Set question text
        lblQuestion.Text = (e.Item.ItemIndex + 1).ToString() & ". " & record("question_text").ToString()
    End If
End Sub

```

```

        ' Set option texts
        rblOptions.Items(0).Text = "A. " & record("option_a").ToString()
        rblOptions.Items(1).Text = "B. " & record("option_b").ToString()
        rblOptions.Items(2).Text = "C. " & record("option_c").ToString()
        rblOptions.Items(3).Text = "D. " & record("option_d").ToString()
    End If
End Sub

Protected Sub btnSubmit_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles
btnSubmit.Click
    Dim score As Integer = 0
    Dim totalQuestions As Integer = 0

    ' Check each question in the repeater
    For Each item As RepeaterItem In rptQuestions.Items
        If item.ItemType = ListItemType.Item OrElse item.ItemType = ListItemType.AlternatingItem
Then
            totalQuestions += 1

            Dim rblOptions As RadioButtonList = CType(item.FindControl("rblOptions"), RadioButtonList)
            Dim hdnQuestionNumber As HiddenField = CType(item.FindControl("hdnQuestionNumber"),
HiddenField)

            If rblOptions.SelectedValue <> "" Then
                ' Get the correct answer from database for this question
                Dim correctAnswer As String = GetCorrectAnswer(hdnQuestionNumber.Value)

                ' Compare selected answer with correct answer
                If rblOptions.SelectedValue = correctAnswer Then
                    score += 1
                End If
            End If
        End If
    Next

    ' Display results
    quizPanel.Visible = False
    resultPanel.Visible = True
    lblScore.Text = score.ToString() & " out of " & totalQuestions.ToString()

    ' Save results to database
    SaveStudentResult(score)
End Sub

Private Function GetCorrectAnswer(ByVal questionNumber As String) As String
    Dim correctAnswer As String = ""
    Dim connectionString As String = "workstation id=SaaS_DB.mssql.somee.com;packet
size=4096;user id=alishbahbhashir_SQLLogin_1;pwd=rfa2ud4ko7;data

```

```

source=SaaS_DB.mssql.somee.com;persist security info=False;initial
catalog=SaaS_DB;TrustServerCertificate=True"
    Dim query As String = "SELECT correct_option FROM quiz WHERE question_number =
@QuestionNumber"

    Using conn As New SqlConnection(connectionString)
        Using cmd As New SqlCommand(query, conn)
            cmd.Parameters.AddWithValue("@QuestionNumber", questionNumber)
            conn.Open()
            correctAnswer = cmd.ExecuteScalar().ToString()
        End Using
    End Using

    Return correctAnswer
End Function

Private Sub SaveStudentResult(ByVal score As Integer)
    Dim connectionString As String = "workstation id=SaaS_DB.mssql.somee.com;packet
size=4096;user id=alishbahbhashir_SQLLogin_1;pwd=rfa2ud4ko7;data
source=SaaS_DB.mssql.somee.com;persist security info=False;initial
catalog=SaaS_DB;TrustServerCertificate=True"
    Dim query As String = "UPDATE record SET obtained_marks = @Score WHERE student_id =
@StudentID"

    Using conn As New SqlConnection(connectionString)
        Using cmd As New SqlCommand(query, conn)
            cmd.Parameters.AddWithValue("@Score", score)
            cmd.Parameters.AddWithValue("@StudentID", Session("StudentID").ToString())

            conn.Open()
            cmd.ExecuteNonQuery()
        End Using
    End Using
End Sub
End Class

```

teacher.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="teacher.aspx.vb" Inherits="teacher"
%>
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Add Quiz Question</title>
    <style type="text/css">
        body {
            background-image: url('saas3.jpg');

```

```

background-size: cover;
background-repeat: no-repeat;
background-attachment: fixed;
background-position: right center;
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
text-align: center;
color: #333366;
background-color: #f9f9f9;
display: flex;
justify-content: center;
align-items: center;
min-height: 100vh;
}
.login {
background-color: #ffffff;
margin: 15px 200px 200px 200px;
padding: 10px 50px 100px 50px;
border-radius: 10px;
box-shadow: 0 0 15px rgba(0,0,0,0.1);
width: 100%;
max-width: 500px;
}
#btn {
margin-top: 15px;
background-color: #007bff;
color: white;
padding: 10px 20px;
border: none;
border-radius: 5px;
font-weight: bold;
cursor: pointer;
font-size: 16px;
}
</style>
</head>
<body>
<div class="login">
<form id="form1" runat="server">
<h3>Add New Quiz Question</h3><br/>

Question Number:<br/><br/>
<asp:TextBox ID="txtQuestionNumber" runat="server"></asp:TextBox><br/><br/>

Question Text:<br/><br/>
<asp:TextBox ID="txtQuestionText" runat="server" TextMode="MultiLine"
Rows="3"></asp:TextBox><br/><br/>

Option A:<br/><br/>

```



```

<asp:TextBox ID="txtOptionA" runat="server"></asp:TextBox><br/><br/>

Option B:<br/><br/>
<asp:TextBox ID="txtOptionB" runat="server"></asp:TextBox><br/><br/>

Option C:<br/><br/>
<asp:TextBox ID="txtOptionC" runat="server"></asp:TextBox><br/><br/>

Option D:<br/><br/>
<asp:TextBox ID="txtOptionD" runat="server"></asp:TextBox><br/><br/>

Correct Option (A/B/C/D):<br/><br/>
<asp:TextBox ID="txtCorrectOption" runat="server"
MaxLength="1"></asp:TextBox><br/><br/>

<asp:Button ID="btn" runat="server" Text="Add Question" OnClick="btnClick_AddQuestion"
/><br/><br/>

<asp:Label ID="lblMessage" runat="server" ForeColor="Red"></asp:Label><br/>
</form>
</div>
</body>
</html>

```

teacher.aspx:

```

Imports System
Imports System.Data
Imports System.Data.SqlClient
Imports System.Web.UI

```

```

Partial Class teacher
    Inherits Page

```

```

    Protected Sub btnClick_AddQuestion(ByVal sender As Object, ByVal e As EventArgs)
        Dim cons As String
        cons = "workstation id=SaaS_DB.mssql.somee.com;packet size=4096;user
id=alishbahbashir_SQLLogin_1;pwd=rfa2ud4ko7;data source=SaaS_DB.mssql.somee.com;persist
security info=False;initial catalog=SaaS_DB;TrustServerCertificate=True"

        Dim con As New SqlConnection(cons)
        Dim cmd As New SqlCommand()
        cmd.Connection = con

        cmd.CommandText = "INSERT INTO quiz (question_number, question_text, option_a, option_b,
option_c, option_d, correct_option)"
        cmd.CommandText += " VALUES ('" & txtQuestionNumber.Text & "', '" &

```

```
txtQuestionText.Text & ", " &  
txtOptionA.Text & ", " &  
txtOptionB.Text & ", "& txtOptionC.Text & ", "& txtOptionD.Text & ", "&  
txtCorrectOption.Text & """)"
```

```
Try  
    con.Open()  
    cmd.ExecuteNonQuery()  
    lblMessage.Text = "Question added successfully!"  
    lblMessage.ForeColor = System.Drawing.Color.Green  
Catch ex As Exception  
    lblMessage.Text = "Error: " & ex.Message  
    lblMessage.ForeColor = System.Drawing.Color.Red  
Finally  
    con.Close()  
End Try  
End Sub  
End Class
```