

Quiz Lab:

Login.aspx:

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

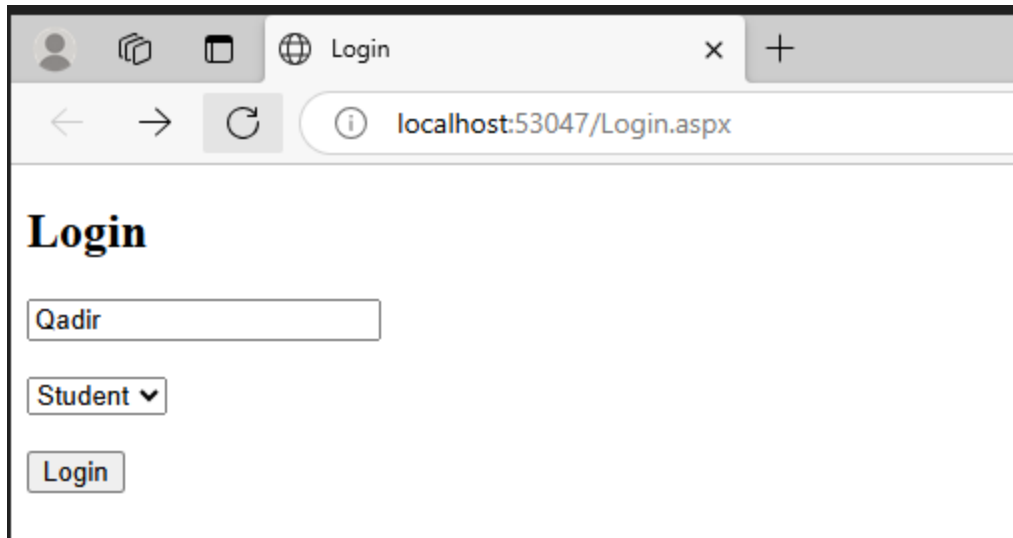
<!DOCTYPE html>
<html>
<head>
    <title>Login</title>
</head>
<body>
    <form runat="server">
        <h2>Login</h2>
        <asp:TextBox ID="txtUsername" runat="server"
Placeholder="Username"></asp:TextBox><br /><br />
        <asp:DropDownList ID="ddlRole" runat="server">
            <asp:ListItem Text="Admin" Value="admin" />
            <asp:ListItem Text="Teacher" Value="teacher" />
            <asp:ListItem Text="Student" Value="student" />
        </asp:DropDownList><br /><br />
        <asp:Button ID="btnLogin" runat="server" Text="Login"
OnClick="btnLogin_Click"/>
    </form>
</body>
</html>
```

Login.vb

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

    Protected Sub btnLogin_Click(sender As Object, e As EventArgs)
        Dim role As String = ddlRole.SelectedValue
        Session("username") = txtUsername.Text
        Session("role") = role

        Select Case role
            Case "admin"
                Response.Redirect("Admin.aspx")
            Case "teacher"
                Response.Redirect("Teacher.aspx")
            Case "student"
                Response.Redirect("student.aspx")
        End Select
    End Sub
End Class
```



Teacher.aspx:

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

<!DOCTYPE html>
<html>
<head><title>Teacher Panel</title></head>
<body>
    <form runat="server">
        <h2>Add Question</h2>
        <asp:TextBox ID="txtQuestion" runat="server" Placeholder="Enter
question"></asp:TextBox><br />
        <asp:TextBox ID="opt1" runat="server" Placeholder="Option
1"></asp:TextBox><br />
        <asp:TextBox ID="opt2" runat="server" Placeholder="Option
2"></asp:TextBox><br />
        <asp:TextBox ID="opt3" runat="server" Placeholder="Option
3"></asp:TextBox><br />
        <asp:TextBox ID="opt4" runat="server" Placeholder="Option
4"></asp:TextBox><br />
        <asp:DropDownList ID="ddlCorrect" runat="server">
            <asp:ListItem Text="1" Value="1" />
            <asp:ListItem Text="2" Value="2" />
            <asp:ListItem Text="3" Value="3" />
            <asp:ListItem Text="4" Value="4" />
        </asp:DropDownList><br />
        <asp:Button ID="btnAdd" runat="server" Text="Add Question"
OnClick="btnAdd_Click" />
        <br /><br />
        <asp:Label ID="lblStatus" runat="server" ForeColor="Green"></asp:Label>
    </form>
</body>
</html>
```

Teacher.vb

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

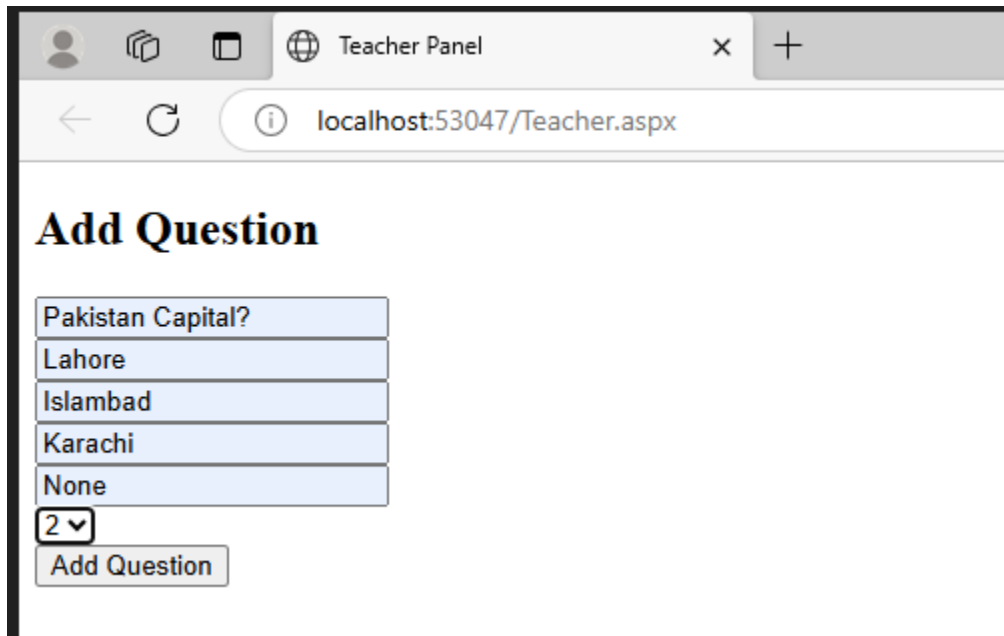
    Protected Sub btnAdd_Click(sender As Object, e As EventArgs)
        Dim question As String = txtQuestion.Text
        Dim options As String() = {opt1.Text, opt2.Text, opt3.Text, opt4.Text}
        Dim correctIndex As Integer = Convert.ToInt32(ddlCorrect.SelectedValue)

        Dim questionData As New Dictionary(Of String, Object)
        questionData("question") = question
        questionData("options") = options
        questionData("correct") = correctIndex

        If Application("questions") Is Nothing Then
            Application("questions") = New List(Of Dictionary(Of String, Object))()
        End If

        CType(Application("questions"), List(Of Dictionary(Of String,
Object))).Add(questionData)

        lblStatus.Text = "Question added successfully!"
    End Sub
End Class
```



The screenshot shows a web browser window titled 'Teacher Panel' with the address bar displaying 'localhost:53047/Teacher.aspx'. The main content area is titled 'Add Question'. It features a text input field containing 'Pakistan Capital?'. Below this is a list of radio buttons with the following options: 'Lahore', 'Islambad', 'Karachi', and 'None'. To the left of these options is a dropdown menu showing the number '2'. At the bottom of the form is a button labeled 'Add Question'.

Student.aspx:

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

```

<!DOCTYPE html>
<html>
<head>
    <title>Student Panel</title>
</head>
<body>
    <form runat="server">
        <h2>Quiz</h2>
        <asp:Label ID="lblMessage" runat="server" ForeColor="Red"></asp:Label><br />

        <asp:Panel ID="pnlQuiz" runat="server" Visible="false">
            <asp:Label ID="lblQuestion" runat="server"></asp:Label><br />
            <asp:RadioButtonList ID="rblOptions"
runat="server"></asp:RadioButtonList><br />
            <asp:Button ID="btnSubmit" runat="server" Text="Submit Answer"
OnClick="btnSubmit_Click" />
            <asp:Label ID="lblResult" runat="server" ForeColor="Green"></asp:Label>
        </asp:Panel>
    </form>
</body>
</html>

```

Student.vb:

```

Partial Class Student
    Inherits System.Web.UI.Page

    Private currentIndex As Integer = 0

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

    Private Sub LoadQuestion()
        Dim questions = TryCast(Application("questions"), List(Of Dictionary(Of
String, Object)))

        If questions IsNot Nothing AndAlso questions.Count > 0 Then
            Dim question = questions(currentIndex)
            lblQuestion.Text = question("question").ToString()
            rblOptions.Items.Clear()

            For Each opt As String In CType(question("options"), String())
                rblOptions.Items.Add(opt)
            Next

            pnlQuiz.Visible = True
        Else
            lblMessage.Text = "No quiz available."
        End If
    End Sub

    Protected Sub btnSubmit_Click(sender As Object, e As EventArgs)

```

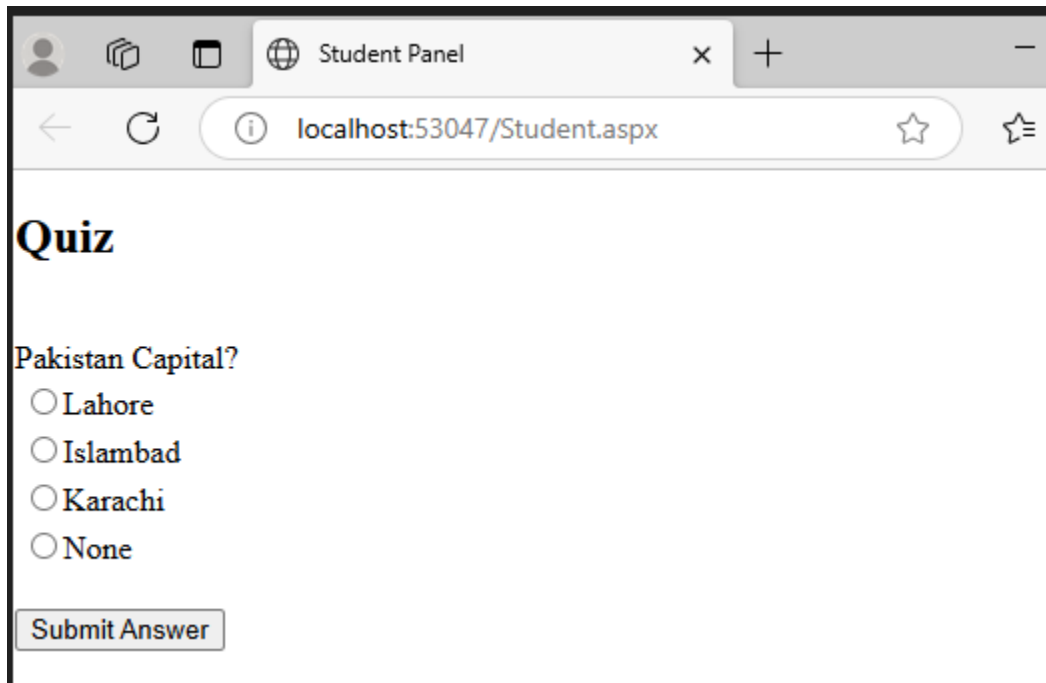
```

        Dim questions = TryCast(Application("questions"), List(Of Dictionary(Of
String, Object)))

        If questions IsNot Nothing AndAlso questions.Count > 0 Then
            Dim question = questions(currentIndex)
            Dim correctIndex As Integer = Convert.ToInt32(question("correct"))

            If rblOptions.SelectedIndex = correctIndex - 1 Then
                lblResult.Text = "Correct Answer!"
            Else
                lblResult.Text = "Wrong Answer. Try again!"
            End If
        End If
    End Sub
End Class

```



Student Panel

localhost:53047/Student.aspx

Quiz

Pakistan Capital?

☐ Lahore

☐ Islambad

☐ Karachi

☐ None

Submit Answer