

Quiz Codes

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Studentdashboard.aspx

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

<!DOCTYPE html>

<html>

<head>

    <title>Student Dashboard</title>

</head>

<body>

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

        <h2>Quiz</h2>

        <asp:Label ID="lblQuestion" runat="server" Font-Bold="true"></asp:Label><br />

        <asp:RadioButtonList ID="rblOptions" runat="server" /><br />

        <asp:Button ID="btnNext" runat="server" Text="Next Question"
OnClick="btnNext_Click" /><br />

    </form>

</body>

</html>
```

Studentdashboard.aspx.vb

```
Imports System

Imports System.Web.UI

Imports System.Web.UI.WebControls

Public Class StudentDashboard
```

Inherits Page

' Sample questions (simulate DB)

Dim questions As New List(Of Dictionary(Of String, String)) From {

 New Dictionary(Of String, String) From {

 {"Q", "What is the capital of France?"},

 {"A", "Paris"},

 {"B", "London"},

 {"C", "Berlin"},

 {"D", "Rome"},

 {"Correct", "A"}

 },

 New Dictionary(Of String, String) From {

 {"Q", "What is 2 + 2?"},

 {"A", "3"},

 {"B", "4"},

 {"C", "5"},

 {"D", "6"},

 {"Correct", "B"}

 }

}

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

 If Session("Role") Is Nothing OrElse Session("Role").ToString() <> "Student" Then

 Response.Redirect("Default.aspx")

 End If

If Not IsPostBack Then

Session("CurrentQ") = 0

Session("Score") = 0

Session("TotalQuestions") = questions.Count

LoadQuestion()

End If

End Sub

Private Sub LoadQuestion()

Dim qIndex As Integer = CInt(Session("CurrentQ"))

' Check if all questions are completed

If qIndex >= questions.Count Then

Response.Redirect("Result.aspx")

Exit Sub

End If

Dim q = questions(qIndex)

lblQuestion.Text = (qIndex + 1).ToString() & ". " & q("Q")

' Shuffle options

Dim options = New List(Of KeyValuePair(Of String, String)) From {

New KeyValuePair(Of String, String)("A", q("A")),

New KeyValuePair(Of String, String)("B", q("B")),

New KeyValuePair(Of String, String)("C", q("C")),

```
New KeyValuePair(Of String, String)("D", q("D"))  
}
```

```
Dim rnd As New Random()  
options = options.OrderBy(Function(x) rnd.Next()).ToList()
```

```
rblOptions.Items.Clear()  
For Each opt In options  
    rblOptions.Items.Add(New ListItem(opt.Value, opt.Key))  
Next
```

```
Session("CorrectAnswer") = q("Correct")  
End Sub
```

```
Protected Sub btnNext_Click(sender As Object, e As EventArgs) Handles btnNext.Click
```

```
    ' Update score for current question before moving to next
```

```
    If rblOptions.SelectedItem IsNot Nothing Then
```

```
        If rblOptions.SelectedValue = Session("CorrectAnswer").ToString() Then
```

```
            Session("Score") = CInt(Session("Score")) + 1
```

```
        End If
```

```
    End If
```

```
    ' Move to next question
```

```
    Session("CurrentQ") = CInt(Session("CurrentQ")) + 1
```

```
    ' Check if we've completed all questions
```

```

If CInt(Session("CurrentQ")) >= CInt(Session("TotalQuestions")) Then
    Response.Redirect("Result.aspx")
Else
    LoadQuestion()
End If
End Sub
End Class

```

Teacherdashboard.aspx

```

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

<!DOCTYPE html>

<html>

<head>

    <title>Teacher Dashboard</title>

</head>

<body>

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

        <h2>Add New Quiz Question</h2>

        Question No: <asp:TextBox ID="txtQNo" runat="server" /><br />

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

        Option A: <asp:TextBox ID="txtOptA" runat="server" /><br />

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

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

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

        Correct Option:

```

```

<asp:DropDownList ID="ddlCorrect" runat="server">
    <asp:ListItem>A</asp:ListItem>
    <asp:ListItem>B</asp:ListItem>
    <asp:ListItem>C</asp:ListItem>
    <asp:ListItem>D</asp:ListItem>
</asp:DropDownList><br />
    <asp:Button ID="btnAdd" runat="server" Text="Add Question" OnClick="btnAdd_Click"
/>
</form>
</body>
</html>

```

Teacherdashboard.aspx.vb

Imports System

Imports System.Web.UI

Imports System.Web.UI.WebControls

Public Class TeacherDashboard

Inherits Page

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

 If Session("Role") Is Nothing OrElse Session("Role").ToString() <> "Teacher" Then

 Response.Redirect("Default.aspx")

 End If

End Sub

```

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

    Dim msg As String = "Question Added: " & txtQText.Text

    ClientScript.RegisterStartupScript(Me.GetType(), "alert", "alert('" & msg & "');", True)

End Sub

End Class

```

Result.aspx

```

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

<!DOCTYPE html>

<html>

<head>

    <title>Quiz Result</title>

</head>

<body>

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

        <h2>Your Result</h2>

        <asp:Label ID="lblResult" runat="server" Font-Bold="true"></asp:Label><br />

        <asp:Button ID="btnRestart" runat="server" Text="Take Again"
OnClick="btnRestart_Click" />

    </form>

</body>

</html>

```

Result.aspx.vb

```

Imports System

Imports System.Web.UI

```

Public Class Result

Inherits System.Web.UI.Page

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

If Session("Role") Is Nothing OrElse Session("Role").ToString() <> "Student" Then

 Response.Redirect("Default.aspx")

End If

If Not IsPostBack Then

 If Session("Score") IsNot Nothing AndAlso Session("TotalQuestions") IsNot Nothing
Then

 Dim score As Integer = CInt(Session("Score"))

 Dim totalQuestions As Integer = CInt(Session("TotalQuestions"))

 lblResult.Text = "You scored: " & score.ToString() & " out of " &
totalQuestions.ToString()

 Else

 lblResult.Text = "Score data not available."

 End If

End If

End Sub

Protected Sub btnRestart_Click(sender As Object, e As EventArgs) Handles
btnRestart.Click

 Response.Redirect("StudentDashboard.aspx")

End Sub

End Class