



技职教育系

Department of Vocational Education

软件工程与移动应用程序开发课程

**Software Engineering and Application Developer
(SEMD)**

个人作业 1

Assignment 1

科目	Subject	.NET Programming (Visual Basic .Net)
科目编号 Code	Subject	SEMD026
中文姓名 Name	Chinese	卢诚禧
英文姓名 Name	English	Loo Zhen Xi
学号 ID	Student	1850170
分数	Marks	

Source

Login.aspx.vb

```
Imports MySql.Data
Imports MySql.Data.MySqlClient
Imports System.Data

Public Class Login
    Inherits System.Web.UI.Page

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

    End Sub

    Protected Sub btnSubmit_Click(sender As Object, e As EventArgs) Handles
        btnSubmit.Click
            'Validation

            'Data
            Dim loginID As String = tbLoginID.Text
            Dim password As String = tbPassword.Text

            'Database
            Dim strConn As String = "server=localhost;port=3306; user id=root;" _
                & "password=;database=school"
            Dim oDBCon As New MySqlConnection(strConn)
            Try
                'Connect Database
                oDBCon.Open()

                Dim strSQL As String = "SELECT ID, Login_ID, Password, User_Role FROM
`User`" _
                    & " WHERE Login_ID = '" & loginID & "' " _
                    & " AND Password = '" & password & "'" _

                Dim dt As New DataTable
                Dim da As New MySqlDataAdapter(strSQL, oDBCon)
                da.Fill(dt)

                If dt.Rows.Count = 0 Then
                    lblMessage.Text = "<font color='red'>Your login account info is
incorrect, please try again.</font>"
                Else
                    Session("Login_ID") = dt.Rows(0)("Login_ID")
                    Session("User_Role") = dt.Rows(0)("User_Role")
                    If Session("User_Role") = "1" Then
                        Response.Redirect("AddStudent.aspx")
                    Else
                        Response.Redirect("SearchStudentV.aspx?do=view")
                    End If
                End If

            End Try

        Catch ex As Exception
            Response.Write(ex.Message)
        Finally
            oDBCon.Close()
        End Try
    End Sub
End Class
```

```
End Sub
End Class
```

AddStundet.aspx.vb

```
Imports System
Imports MySql.Data.MySqlClient
Imports MySql
Imports System.IO

Public Class AddStudent
    Inherits System.Web.UI.Page

    Public saveDir As String = "D:\Download\Week5-1(1)\Week5-1\Week5-1\StudentInfo\"
    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school;SslMode=none"
    Dim oDBCon As New MySqlConnection(strConn)

    Dim Data As String
    Dim CheckData As String
    Dim SaveData As String

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

        If IsPostBack = False Then
            Dim objUI As New UI
            GetCourse()
            lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
        End If
    End Sub

    Private Sub checkUserRole()
        If Session("User_Role") Is Nothing And Session("User_Role") IsNot "1" Then
            Response.Redirect("Login.aspx")
        End If
    End Sub

    Private Sub GetCourse()

        Try
            'Connect Database
            oDBCon.Open()

            'Read Record
            Dim strSQL As String = "SELECT Code, Name FROM `Course`"
            Dim oCommand As New MySqlCommand(strSQL, oDBCon)

            Dim dt As New DataTable
            Dim da As New MySqlDataAdapter(strSQL, oDBCon)
            da.Fill(dt)

            Dim i As Integer = 0
            ddlSubject.Items.Add(New ListItem("- Select -", "0"))
            For i = 0 To dt.Rows.Count - 1
                ddlSubject.Items.Add(
                    New ListItem(dt.Rows(i)("Code") & " - " & dt.Rows(i)("Name"),
dt.Rows(i)("Code")))
            Next
        End Try
    End Sub
End Sub
```

```

Catch ex As Exception
    Response.Write(ex.Message)
Finally
    oDBCon.Close()
End Try
End Sub

Protected Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click

    If isAllValid() = False Then
        Exit Sub
    End If

    If checkExists() = True Then
        Exit Sub
    End If

    Dim errMessage As String = ""
    Dim Subject_Code = ddlSubject.SelectedItem.Value
    Dim Subject_Name = ddlSubject.SelectedItem.Text.Substring(9)
    Dim Student_ID = tbSID.Text
    Dim Student_Name = tbSName.Text
    Dim Student_Email = tbSEmail.Text
    Dim Lecturer_Name = tbLName.Text
    Dim Lecturer_Email = tbLEmail.Text

    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school;SslMode=none"
    Dim oDBCon As New MySqlConnection(strConn)

    Try
        'Connect Database
        oDBCon.Open()

        'Read Record
        Dim strSQL As String = "INSERT INTO `student2` " _
            & "(" & "`No`,`Subject_Code`,`Subject_Name`,`Student_ID`,`" _
            & "`Student_Name`,`Student_Email`,`Lecturer_Name`,`Lecturer_Email`,`Created`)" _
            & " VALUES (NULL, '" & Subject_Code & "', '" & Subject_Name _
            & "', '" & Student_ID & "', '" & Student_Name & "', '" & Student_Email _
            & "', '" & Lecturer_Name & "', '" & Lecturer_Email & "',now()); "
        Dim oCommand As New MySqlCommand(strSQL, oDBCon)

        oCommand.ExecuteNonQuery()

    Catch ex As Exception
        errMessage = ex.Message
    Finally
        oDBCon.Close()
    End Try

    If errMessage = "" Then
        lblResult.Text = "<font color='#00ff00'>Record has been saved successfully</font>"
    Else
        lblResult.Text = "<font color='red'>" & errMessage & "</font>"
    End If

End Sub

```

```

Function isAllValid() As Boolean
    Dim sError As String = ""

    If Trim(tbSID.Text) = "" Then
        sError += "Student ID is a compulsory field.<br>"
    End If

    If Trim(tbSName.Text) = "" Then
        sError += "Student Name is a compulsory field.<br>"
    End If

    If Trim(tbSEmail.Text) = "" Then
        sError += "Student Email is a compulsory field.<br>"
    End If

    'Check Course
    If ddlSubject.SelectedItem.Value = "0" Then
        sError += "Course is a compulsory field.<br>"
    End If

    If Trim(tblName.Text) = "" Then
        sError += "Lecturer Name is a compulsory field.<br>"
    End If

    If Trim(tblEmail.Text) = "" Then
        sError += "Lecturer Email is a compulsory field.<br>"
    End If

    lblResult.Text = "<font color='red'>" & sError & "</font>"

    If sError = "" Then
        Return True
    Else
        Return False
    End If
End Function

Function checkExists() As Boolean
    Dim Student_ID = tbSID.Text
    Dim DataExist = ""
    Try
        Dim strSQL As String = "Select * From `student2` Where Student_ID = '" +
Student_ID + "'"
        Dim oCommand As New MySqlCommand(strSQL, oDBCon)

        Dim dt As New DataTable
        Dim da As New MySqlDataAdapter(strSQL, oDBCon)
        da.Fill(dt)

        If dt.Rows.Count > 0 Then
            DataExist = "This Student ID is Exitsed"
        End If
    Catch ex As Exception

    Finally
        oDBCon.Close()
    End Try

    If DataExist = "" Then
        Return False
    Else

```

```

        lblResult.Text = "<font color='red'>" & DataExist & "</font>"
        Return True
    End If
End Function

End Class

AddStudentByFile.aspx.vb
Imports MySql.Data
Imports MySql.Data.MySqlClient
Imports System.Data
Imports System.IO

Public Class AddStudentByFile
    Inherits System.Web.UI.Page

    Dim Data As String
    Dim CheckData As String
    Dim SaveData As String
    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school;SslMode=none"
    Dim oDBCon As New MySqlConnection(strConn)

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

            If IsPostBack = False Then
                Dim objUI As New UI
                lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
            End If
        End Sub

    Private Sub checkUserRole()
        If Session("User_Role") Is Nothing And Session("User_Role") IsNot "1" Then
            Response.Redirect("Login.aspx")
        End If
    End Sub

    Protected Sub UploadButton_Click(ByVal sender As Object, ByVal e As EventArgs)
        Handles UploadButton.Click

        Dim errorMessage As String = ""
        Dim filename As String = ""

        If FileUploadControl.HasFile Then
            Try
                filename = Path.GetFileName(FileUploadControl.FileName)
                FileUploadControl.SaveAs(Server.MapPath("~/") & "File\" & filename)
                lblResult.Text = "Upload status: <font color='green'> File upload
                succeful! </font> <br>"

                If File.Exists(Server.MapPath("~/") & "File\" & filename) Then
                    Dim reader As StreamReader =
                    My.Computer.FileSystem.OpenTextFileReader(Server.MapPath("~/") & "File\" & filename)

                    Do
                        Data = reader.ReadLine()

                        If IsNumeric(Data.Substring(0, 1)) Then
                            CheckData = Data.Substring(2)
                        End If
                    Loop While reader.Read()
                End If
            Catch ex As Exception
                errorMessage = ex.Message
            End Try
        End If

        If errorMessage <> "" Then
            lblResult.Text = errorMessage
        End If
    End Sub
End Class

```

```

        SaveData = Replace(CheckData, " ", "'", "'")

        Try

            oDBCon.Open()

            Dim strSQL = "SELECT * FROM `student2` WHERE
(`Subject_Code`, `Subject_Name`, " _
                        & "`Student_ID`, `Student_Name`,
`Student_Email`, `Lecturer_Name`, `Lecturer_Email`)" _
                        & "= ('" + SaveData + "',)"
            Dim oCommand As New MySqlCommand(strSQL, oDBCon)

            oCommand.ExecuteNonQuery()

            Dim dt As New DataTable
            Dim da As New MySqlDataAdapter(strSQL, oDBCon)
            da.Fill(dt)

            If dt.Rows.Count > 0 Then

                lblResult.Text += "'" + SaveData + "' - <font
color='red'> This Data Exists </font> <br>"

            Else
                Dim strSQL2 = "INSERT INTO `student2` " _
                    & "(`Subject_Code`, `Subject_Name`, `Student_ID`,
`Student_Name`, `Student_Email`, `Lecturer_Name`, `Lecturer_Email`, `Created`) " _
                    & " VALUES ('" + SaveData + "',now())"
                Dim oCommand2 As New MySqlCommand(strSQL2, oDBCon)

                oCommand2.ExecuteNonQuery()

                If errorMessage = "" Then
                    lblResult.Text += "'" + SaveData + "' -
<font color='green'> Data Upload Succesful </font><br>"
                Else
                    lblResult.Text = errorMessage
                End If

            End If

            Catch ex As Exception
                errorMessage = ex.Message
            Finally
                oDBCon.Close()
            End Try

        End If

        Loop While reader.Peek <> -1

        reader.Close()
    End If
    Catch ex As Exception
        lblResult.Text = "Upload status: The file could not be uploaded. The
following error occured: " & ex.Message
    End Try

Else
    lblResult.Text = "Please Select File"
End If

```

```

        End Sub

End Class

SearchStudentV.aspx.vb
Imports MySql.Data
Imports MySql.Data.MySqlClient
Imports System.Data

Public Class SearchStudentV
    Inherits System.Web.UI.Page

    Private Property SortDirection As String
        Get
            Return IIf(ViewState("SortDirection") IsNot Nothing,
Convert.ToString(ViewState("SortDirection")), "ASC")
        End Get
        Set(value As String)
            ViewState("SortDirection") = value
        End Set
    End Property

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

        If Not Me.IsPostBack Then
            Dim objUI As New UI
            lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
        End If
        'AddTeacher(20)
    End Sub

    Private Sub BindGrid(Optional ByVal sortExpression As String = Nothing)

        Dim strConn As String = "server=localhost;port=3306; user id=root;" _
            & "password=;database=school"
        Dim oDBCon As New MySqlConnection(strConn)
        Try
            'Connect Database
            oDBCon.Open()

            Dim strSQL As String = "SELECT No, Student_ID, Student_Name, Subject_Code,
Subject_Name, Lecturer_Name FROM `student2`" _
                & " WHERE Student_Name LIKE '%" & tbName.Text & "%' " _
                & " AND Subject_Code Like '%" & tbCourseCode.Text & "%'"

            Dim dt As New DataTable
            Dim da As New MySqlDataAdapter(strSQL, oDBCon)
            da.Fill(dt)

            If (Not (sortExpression) Is Nothing) Then
                Dim dv As DataView = New DataView(dt)
                Me.SortDirection = IIf(Me.SortDirection = "ASC", "DESC", "ASC")
                dv.Sort = sortExpression & " " & Me.SortDirection
                GridView1.DataSource = dv
                'ViewState("sortExpression") = sortExpression
            Else
                GridView1.DataSource = dt
            End If

            GridView1.DataBind()
        
```



```

        Catch ex As Exception
            Response.Write(ex.Message)
        Finally
            oDBCon.Close()
        End Try
    End Sub

    Protected Sub GridView1_RowDataBound(ByVal sender As Object, ByVal e As
GridViewRowEventArgs)
        If e.Row.RowType = DataControlRowType.DataRow Then
            e.Row.Attributes("onmouseover") =
"this.style.backgroundColor='aquamarine';"
            e.Row.Attributes("onmouseout") = "this.style.backgroundColor='white';"
            e.Row.ToolTip = "Click last column for selecting this row."
        End If
    End Sub

    Protected Sub GridView1_SelectedIndexChanged(ByVal sender As Object, ByVal e As
EventArgs)
        Dim sParam As String = GridView1.SelectedRow.Cells(0).Text
        Response.Redirect("ViewStudent.aspx?No=" & sParam)
    End Sub

    Private Sub GridView1_PageIndexChanging(sender As Object, e As
GridViewPageEventArgs) Handles GridView1.PageIndexChanging
        GridView1.PageIndex = e.NewPageIndex
        Me.BindGrid()
    End Sub

    Private Sub GridView1_Sorting(sender As Object, e As GridViewSortEventArgs)
Handles GridView1.Sorting
        Me.BindGrid(e.SortExpression)
    End Sub

    Protected Sub btnSearch_Click(sender As Object, e As EventArgs) Handles
btnSearch.Click
        Me.BindGrid()
    End Sub

    Private Sub checkUserRole()
        If Session("User_Role") Is Nothing Then
            Response.Redirect("Login.aspx")
        End If
    End Sub
End Class

```

SearchStudentE.aspx.vb

```

Imports MySql.Data
Imports MySql.Data.MySqlClient
Imports System.Data

Public Class SearchStudentE
    Inherits System.Web.UI.Page

    Private Property SortDirection As String
    Get
        Return IIf(ViewState("SortDirection") IsNot Nothing,
Convert.ToString(ViewState("SortDirection")), "ASC")
    End Get
End Class

```

```

        End Get
        Set(value As String)
            ViewState("SortDirection") = value
        End Set
    End Property

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

        If Not Me.IsPostBack Then
            Dim objUI As New UI
            lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
        End If
        'AddTeacher(20)
    End Sub

    Private Sub BindGrid(Optional ByVal sortExpression As String = Nothing)

        Dim strConn As String = "server=localhost;port=3306; user id=root;" _
            & "password=;database=school"
        Dim oDBCon As New MySqlConnection(strConn)
        Try
            'Connect Database
            oDBCon.Open()

            Dim strSQL As String = "SELECT No, Student_ID, Student_Name, Subject_Code,
Subject_Name, Lecturer_Name FROM `student2`" _
                & " WHERE Student_Name LIKE '%" & tbName.Text & "%' " _
                & " AND Subject_Code Like '%" & tbCourseCode.Text & "%'"

            Dim dt As New DataTable
            Dim da As New MySqlDataAdapter(strSQL, oDBCon)
            da.Fill(dt)

            If (Not (sortExpression) Is Nothing) Then
                Dim dv As DataView = New DataView(dt)
                Me.SortDirection = IIf(Me.SortDirection = "ASC", "DESC", "ASC")
                dv.Sort = sortExpression & " " & Me.SortDirection
                GridView1.DataSource = dv
                'ViewState("sortExpression") = sortExpression
            Else
                GridView1.DataSource = dt
            End If

            GridView1.DataBind()

        Catch ex As Exception
            Response.Write(ex.Message)
        Finally
            oDBCon.Close()
        End Try
    End Sub

    Protected Sub GridView1_RowDataBound(ByVal sender As Object, ByVal e As
GridViewRowEventArgs)
        If e.Row.RowType = DataControlRowType.DataRow Then
            e.Row.Attributes("onmouseover") =
"this.style.backgroundColor='aquamarine';"
            e.Row.Attributes("onmouseout") = "this.style.backgroundColor='white';"
            e.Row.ToolTip = "Click last column for selecting this row."
        End If
    End Sub

```

```

End Sub

Protected Sub GridView1_SelectedIndexChanged(ByVal sender As Object, ByVal e As
EventArgs)
    Dim sParam As String = GridView1.SelectedRow.Cells(0).Text
    Response.Redirect("EditStudent.aspx?No=" & sParam)
End Sub

Private Sub GridView1_PageIndexChanging(sender As Object, e As
GridViewPageEventArgs) Handles GridView1.PageIndexChanging
    GridView1.PageIndex = e.NewPageIndex
    Me.BindGrid()
End Sub

Private Sub GridView1_Sorting(sender As Object, e As GridViewSortEventArgs)
Handles GridView1.Sorting
    Me.BindGrid(e.SortExpression)
End Sub

Protected Sub btnSearch_Click(sender As Object, e As EventArgs) Handles
btnSearch.Click
    Me.BindGrid()
End Sub

Private Sub checkUserRole()
    If Session("User_Role") Is Nothing And Session("User_Role") IsNot "1" Then
        Response.Redirect("Login.aspx")
    End If
End Sub

```

End Class

SearchStudentD.aspx.vb

```

Imports MySql.Data
Imports MySql.Data.MySqlClient
Imports System.Data

```

```

Public Class SearchStudentD
    Inherits System.Web.UI.Page

```

```

    Private Property SortDirection As String
        Get
            Return IIf(ViewState("SortDirection") IsNot Nothing,
Convert.ToString(ViewState("SortDirection")), "ASC")
        End Get
        Set(value As String)
            ViewState("SortDirection") = value
        End Set
    End Property

```

```

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

```

```

    If Not Me.IsPostBack Then
        Dim objUI As New UI
        lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
    End If
    'AddTeacher(20)
End Sub

```

```

Private Sub BindGrid(Optional ByVal sortExpression As String = Nothing)

```

```

Dim strConn As String = "server=localhost;port=3306; user id=root;" _
    & "password=;database=school"
Dim oDBCon As New MySqlConnection(strConn)
Try
    'Connect Database
    oDBCon.Open()

    Dim strSQL As String = "SELECT No, Student_ID, Student_Name, Subject_Code,
Subject_Name, Lecturer_Name FROM `student2` " _
        & " WHERE Student_Name LIKE '%" & tbName.Text & "%' " _
        & " AND Subject_Code Like '%" & tbCourseCode.Text & "%'"

    Dim dt As New DataTable
    Dim da As New MySqlDataAdapter(strSQL, oDBCon)
    da.Fill(dt)

    If (Not (sortExpression) Is Nothing) Then
        Dim dv As DataView = New DataView(dt)
        Me.SortDirection = IIf(Me.SortDirection = "ASC", "DESC", "ASC")
        dv.Sort = sortExpression & " " & Me.SortDirection
        GridView1.DataSource = dv
        'ViewState("sortExpression") = sortExpression
    Else
        GridView1.DataSource = dt
    End If

    GridView1.DataBind()

Catch ex As Exception
    Response.Write(ex.Message)
Finally
    oDBCon.Close()
End Try
End Sub

Protected Sub GridView1_RowDataBound(ByVal sender As Object, ByVal e As
GridViewRowEventArgs)
    If e.Row.RowType = DataControlRowType.DataRow Then
        e.Row.Attributes("onmouseover") =
"this.style.backgroundColor='aquamarine';"
        e.Row.Attributes("onmouseout") = "this.style.backgroundColor='white';"
        e.Row.ToolTip = "Click last column for selecting this row."
    End If
End Sub

Protected Sub GridView1_SelectedIndexChanged(ByVal sender As Object, ByVal e As
EventArgs)
    Dim sParam As String = GridView1.SelectedRow.Cells(0).Text
    deleteData(sParam)
End Sub

Private Sub GridView1_PageIndexChanging(sender As Object, e As
GridViewPageEventArgs) Handles GridView1.PageIndexChanging
    GridView1.PageIndex = e.NewPageIndex
    Me.BindGrid()
End Sub

Private Sub GridView1_Sorting(sender As Object, e As GridViewSortEventArgs)
Handles GridView1.Sorting
    Me.BindGrid(e.SortExpression)

```

```

End Sub

Protected Sub btnSearch_Click(sender As Object, e As EventArgs) Handles
btnSearch.Click
    Me.BindGrid()
End Sub

Private Sub checkUserRole()
    If Session("User_Role") Is Nothing And Session("User_Role") IsNot "1" Then
        Response.Redirect("Login.aspx")
    End If
End Sub

Private Sub deleteData(ByVal strNo As String)

    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school"
    Dim oDBCon As New MySqlConnection(strConn)

    Try
        oDBCon.Open()

        Dim strSQL As String = "DELETE From `student2` Where No = " + strNo + ";"
        Dim oCommand As New MySqlCommand(strSQL, oDBCon)

        oCommand.ExecuteNonQuery()

    Catch ex As Exception
        Response.Write(ex.Message)
    Finally
        oDBCon.Close()
    End Try

    Response.Redirect("SearchStudentD.aspx")

End Sub

```

End Class

ViewStudent.aspx.vb

```

Imports MySql
Imports MySql.Data.MySqlClient
Imports System.Data

Public Class ViewStudent
    Inherits System.Web.UI.Page

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

        checkUserRole()
        If Not Me.IsPostBack Then
            GetStudentInfo()
            Dim objUI As New UI
            lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
        End If
    End Sub

    Private Sub GetStudentInfo()
        Dim strNo As String = Request.Params("No")
        Dim strConn As String = "server=localhost;port=3306; user id=root;" _
            & "password=;database=school"
    End Sub

```

```

Dim oDBCon As New MySqlConnection(strConn)
Try
    'Connect Database
    oDBCon.Open()

    Dim strSQL As String = "Select * From `student2` Where No = " + strNo +
";"

    Dim dt As New DataTable
    Dim da As New MySqlDataAdapter(strSQL, oDBCon)

    da.Fill(dt)

    If dt.Rows.Count > 0 Then
        Dim StudentID As String = dt.Rows(0)("Student_ID")
        Dim StudentName As String = dt.Rows(0)("Student_Name")
        Dim StudentSubject As String = dt.Rows(0)("Subject_Code") + " - "
+ dt.Rows(0)("Subject_Name")
        Dim StudentEmail As String = dt.Rows(0)("Student_Email")
        Dim LecturerName As String = dt.Rows(0)("Lecturer_Name")
        Dim LecturerEmail As String = dt.Rows(0)("Lecturer_Email")
        Dim Created As String = dt.Rows(0)("Created")

        lblSID.Text = StudentID
        lblSName.Text = StudentName
        lblSSubject.Text = StudentSubject
        lblSEmail.Text = StudentEmail
        lblLName.Text = LecturerName
        lblLEmail.Text = LecturerEmail
        lblCreated.Text = Created

    ElseIf dt.Rows.Count < 0 Then
        lblError.Text = "Error, Student didnt Exists"
    End If

    Catch ex As Exception
        Response.Write(ex.Message)
    Finally
        oDBCon.Close()
    End Try

End Sub

Private Sub checkUserRole()
    If Session("User_Role") Is Nothing Then
        Response.Redirect("Login.aspx")
    End If
End Sub

Protected Sub btnBack_Click(sender As Object, e As EventArgs) Handles
btnBack.Click
    Response.Redirect("SearchStudentV.aspx?do=view")
End Sub
End Class

```

EditStudent.aspx.vb

```

Imports MySql
Imports MySql.Data.MySqlClient
Imports System.Data

Public Class EditStudent
    Inherits System.Web.UI.Page

```

```

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

    checkUserRole()
    If Not Me.IsPostBack Then
        GetCourse()
        GetStudentInfo()
        Dim objUI As New UI
        lblMenu.Text = objUI.getMenuBar(Session("User_Role"))
    End If
End Sub

Private Sub GetStudentInfo()
    Dim strNo As String = Request.Params("No")
    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school"
    Dim oDBCon As New MySqlConnection(strConn)
    Try
        'Connect Database
        oDBCon.Open()

        Dim strSQL As String = "Select * From `student2` Where No = " + strNo +
";"

        Dim dt As New DataTable
        Dim da As New MySqlDataAdapter(strSQL, oDBCon)

        da.Fill(dt)

        If dt.Rows.Count > 0 Then
            Dim StudentID As String = dt.Rows(0)("Student_ID")
            Dim StudentName As String = dt.Rows(0)("Student_Name")
            Dim StudentSubject As String = dt.Rows(0)("Subject_Code")
            Dim StudentEmail As String = dt.Rows(0)("Student_Email")
            Dim LecturerName As String = dt.Rows(0)("Lecturer_Name")
            Dim LecturerEmail As String = dt.Rows(0)("Lecturer_Email")
            Dim Created As String = dt.Rows(0)("Created")

            tbSID.Text = StudentID
            tbSName.Text = StudentName
            ddlSubject.Items.FindByValue(StudentSubject).Selected = True
            tbSEmail.Text = StudentEmail
            tbLName.Text = LecturerName
            tbLEmail.Text = LecturerEmail
            lblCreate.Text = Created

        ElseIf dt.Rows.Count < 0 Then
            lblError.Text = "Error, Student didnt Exists"
        End If

        Catch ex As Exception
            Response.Write(ex.Message)
        Finally
            oDBCon.Close()
        End Try

    End Sub

Protected Sub btnBack_Click(sender As Object, e As EventArgs) Handles
btnBack.Click
    Response.Redirect("SearchStudentE.aspx?do=view")
End Sub

```

```

Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    Dim strNo As String = Request.Params("No")
    If isAllValid() = False Then
        Exit Sub
    End If

    Dim errMessage As String = ""
    Dim Subject_Code As String = ddlSubject.SelectedItem.Value
    Dim Subject_Name As String = ddlSubject.SelectedItem.Text
    Dim Student_ID As String = tbSID.Text
    Dim Student_Name As String = tbSName.Text
    Dim Student_Email As String = tbSEmail.Text
    Dim Lecturer_Name As String = tbLName.Text
    Dim Lecturer_Email As String = tbLEmail.Text

    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school;SslMode=none"
    Dim oDBCon As New MySqlConnection(strConn)

    Try
        'Connect Database
        oDBCon.Open()

        'Read Record
        Dim strSQL As String = "Update `student2` SET Subject_Code = '" +
Subject_Code + "', Subject_Name = '" + Subject_Name + "'," _
        & "Student_ID = '" + Student_ID + "', Student_Name = '" + Student_Name
+ "', Student_Email = '" + Student_Email + "'," _
        & "Lecturer_Name = '" + Lecturer_Name + "', Lecturer_Email = '" +
Lecturer_Email + "'" _
        & "Where No = " + strNo
        Dim oCommand As New MySqlCommand(strSQL, oDBCon)

        oCommand.ExecuteNonQuery()

    Catch ex As Exception
        errMessage = ex.Message
    Finally
        oDBCon.Close()
    End Try

    If errMessage = "" Then
        lblError.Text = "<font color='#00ff00'>Record has been saved
successfully</font>"
    Else
        lblError.Text = "<font color='red'>" & errMessage & "</font>"
    End If
End Sub

Private Sub checkUserRole()
    If Session("User_Role") Is Nothing And Session("User_Role") IsNot "1" Then
        Response.Redirect("Login.aspx")
    End If
End Sub

Function isAllValid() As Boolean
    Dim sError As String = ""

    If Trim(tbSID.Text) = "" Then
        sError += "Student ID is a compulsory field.<br>"
    End If

```



```

If Trim(tbSName.Text) = "" Then
    sError += "Student Name is a compulsory field.<br>"
End If

If Trim(tbSEmail.Text) = "" Then
    sError += "Student Email is a compulsory field.<br>"
End If

'Check Course
If ddlSubject.SelectedItem.Value = "0" Then
    sError += "Course is a compulsory field.<br>"
End If

If Trim(tblName.Text) = "" Then
    sError += "Lecturer Name is a compulsory field.<br>"
End If

If Trim(tblEmail.Text) = "" Then
    sError += "Lecturer Email is a compulsory field.<br>"
End If

lblError.Text = "<font color='red'>" & sError & "</font>"

If sError = "" Then
    Return True
Else
    Return False
End If
End Function

Private Sub GetCourse()
    Dim strConn As String = "server=localhost;port=3306; user id=root;" _
        & "password=;database=school;SslMode=none"
    Dim oDBCon As New MySqlConnection(strConn)
    Try
        'Connect Database
        oDBCon.Open()

        'Read Record
        Dim strSQL As String = "SELECT Code, Name FROM `Course`"
        Dim oCommand As New MySqlCommand(strSQL, oDBCon)

        Dim dt As New DataTable
        Dim da As New MySqlDataAdapter(strSQL, oDBCon)
        da.Fill(dt)

        Dim i As Integer = 0
        ddlSubject.Items.Add(New ListItem("- Select -", "0"))
        For i = 0 To dt.Rows.Count - 1
            ddlSubject.Items.Add(
                New ListItem(dt.Rows(i)("Code") & " - " & dt.Rows(i)("Name"),
dt.Rows(i)("Code")))
        Next

        Catch ex As Exception
            Response.Write(ex.Message)
        Finally
            oDBCon.Close()
        End Try
    End Sub

```

End Class

Logout.aspx.vb

Public Class Logout

Inherits System.Web.UI.Page

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

Handles Me.Load

Session.RemoveAll()

Session.Clear()

Session.Abandon()

Response.Redirect("login.aspx")

End Sub

End Class

UI.vb

Imports System.Web

Public Class UI

Public Function getMenuBar(ByVal User_Role As String) As String

Dim sb As New StringBuilder

sb.Append("<nav class=""navbar navbar-inverse"">")

sb.Append("<div class=""container-fluid"">")

sb.Append("<div class=""navbar-header"">")

sb.Append("School Management Information

System")

sb.Append("</div>")

sb.Append("<ul class=""nav navbar-nav"">")

sb.Append("<li class=""active"">")

sb.Append("<a class=""dropdown-toggle"" data-toggle=""dropdown""

href=""#"">Student Record")

sb.Append("")

sb.Append("<ul class=""dropdown-menu"">")

If User_Role = "1" Then

sb.Append("Add")

sb.Append("Edit")

sb.Append("Delete")

sb.Append("Upload")

End If

sb.Append("View")

sb.Append("")

sb.Append("")

sb.Append("")

sb.Append("<div class=""navbar-header"" style=""float:right"">")

sb.Append("<div class=""navbar-header"" >")

sb.Append(" &

HttpContext.Current.Session("Login_ID") & "")

sb.Append("</div>")

sb.Append("Logout")

sb.Append("</div>")

sb.Append("</div>")

sb.Append("</nav>")

Return sb.ToString

End Function

End Class

Result

Login

School Record Management System

Login ID

admin

Password

.....

Login

AddStudent

School Record Management System

Student Record

admin Logout

Add Student Info

Student ID :

TESTing0023

Student Name :

Test Ting 023

Student Email :

testing023@gmail.com

Subject Name :

CGDD002 - PRACTICAL IC

Lecturer Name :

testingL123

Lecturer Email :

testingL123@gmail.com

Add Student

Record has been saved successfully

School Record Management System

Student Record

admin Logout

Add Student Info

Student ID :

TESTing0023

Student Name :

Test Ting 023

Student Email :

testing023@gmail.com

Subject Name :

CGDD002 - PRACTICAL IC

Lecturer Name :

testingL123

Lecturer Email :

testingL123@gmail.com

Add Student

This Student ID is Exist

AddStudentByFile

← → ↻ ⚠ Not secure | localhost:44301/AddStudentByFile.aspx ☆ ⓘ ⋮

School Record Management System Student Record ▾ admin Logout

Upload Data File

Choose a File No file chosen

Upload status: File upload successful
'BSOA011','COMPUTERIZED PAYROLL','1751234-BSOA','WONG QI YI','dev.ng@outlook.com','LIM BEE HUI','semd2019@gmail.com' - Data Upload Successful
'SEMD008','COMPUTER NETWORKING','1851234-SEMD','LIM FENG FENG','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - Data Upload Successful
'ITIN015','DISASTER RECOVERY MANAGEMENT','1851234-ITIN','HO DENG DENG','dev.ng@outlook.com','SZE CHEN NEE @ SOO CHEN NEE','semd2019@gmail.com' - Data Upload Successful
'ECOM004','WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)','1851234-ECOM','KONG JIA WEN','dev.ng@outlook.com','TAN MING MING','semd2019@gmail.com' - Data Upload Successful
'CGDD002','PRACTICAL ICT SKILLS','1951234-CGDD','CHONG SIAO YU','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - Data Upload Successful

← → ↻ ⚠ Not secure | localhost:44301/AddStudentByFile.aspx ☆ ⓘ ⋮

School Record Management System Student Record ▾ admin Logout

Upload Data File

Choose a File No file chosen

Upload status: File upload successful
'BSOA011','COMPUTERIZED PAYROLL','1751234-BSOA','WONG QI YI','dev.ng@outlook.com','LIM BEE HUI','semd2019@gmail.com' - This Data Exists
'SEMD008','COMPUTER NETWORKING','1851234-SEMD','LIM FENG FENG','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - This Data Exists
'ITIN015','DISASTER RECOVERY MANAGEMENT','1851234-ITIN','HO DENG DENG','dev.ng@outlook.com','SZE CHEN NEE @ SOO CHEN NEE','semd2019@gmail.com' - This Data Exists
'ECOM004','WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)','1851234-ECOM','KONG JIA WEN','dev.ng@outlook.com','TAN MING MING','semd2019@gmail.com' - This Data Exists
'CGDD002','PRACTICAL ICT SKILLS','1951234-CGDD','CHONG SIAO YU','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - This Data Exists

EditStudent

← → ↻ ⚠ Not secure | localhost:44301/SearchStudent.aspx?do=edit ☆ ⓘ ⋮

School Record Management System Student Record ▾ admin Logout

Search Student

Student Name

Subject Code

No	Student ID	Student Name	Subject Code	Subject Name	Lecturer Name
1	TESTing0023	Test Ting 023	CGDD002	PRACTICAL ICT SKILLS	testingL123

← → ↻ ⚠ Not secure | localhost:44301/EditStudent.aspx?No=1 ☆ ⓘ ⋮

School Record Management System Student Record ▾ admin Logout

Student Info

Student ID :

Student Name :

Student Subject :

Student Email :

Lecturer Name :

Lecturer Email :

Data Created On :

Record has been saved successfully

ViewStudent

← → ↻ ⚠ Not secure | localhost:44301/SearchStudentV.aspx?do=view

School Record Management System

Student Record ▾

admin Logout

Search Student

Student Name

Subject Code

No	Student ID	Student Name	Subject Code	Subject Name	Lecturer Name	
1	TESTing0023	Test Ting 023	CGDD002	CGDD002 - PRACTICAL ICT SKILLS	testingL123.edit	View
2	1751234-BSOA	WONG QI YI	BSOA011	COMPUTERIZED PAYROLL	LIM BEE HUI	View
3	1851234-SEMD	LIM FENG FENG	SEMD008	COMPUTER NETWORKING	NG WAI KONG	View
4	1851234-ITIN	HO DENG DENG	ITIN015	DISASTER RECOVERY MANAGEMENT	SZE CHEN NEE @ SOO CHEN NEE	View
5	1851234-ECOM	KONG JIA WEN	ECOM004	WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)	TAN MING MING	View
12						

← → ↻ ⚠ Not secure | localhost:44301/ViewStudent.aspx?No=1

School Record Management System

Student Record ▾

admin Logout

Student Info

Student ID : TESTing0023
Student Name : Test Ting 023
Student Subject : CGDD002 - CGDD002 - PRACTICAL ICT SKILLS
Student Email : testing023@gmail.com
Lecturer Name : testingL123.edit
Lecturer Email : testingL123.edit@gmail.com
Data Created On : 20/11/2019 4:28:06 PM

DeleteStudent

Delete No 4

← → ↻ ⚠ Not secure | localhost:44301/SearchStudentD.aspx?do=delete

School Record Management System

Student Record ▾

admin Logout

Search Student

Student Name

Subject Code

No	Student ID	Student Name	Subject Code	Subject Name	Lecturer Name	
1	TESTing0023	Test Ting 023	CGDD002	CGDD002 - PRACTICAL ICT SKILLS	testingL123.edit	Delete
2	1751234-BSOA	WONG QI YI	BSOA011	COMPUTERIZED PAYROLL	LIM BEE HUI	Delete
3	1851234-SEMD	LIM FENG FENG	SEMD008	COMPUTER NETWORKING	NG WAI KONG	Delete
4	1851234-ITIN	HO DENG DENG	ITIN015	DISASTER RECOVERY MANAGEMENT	SZE CHEN NEE @ SOO CHEN NEE	Delete
5	1851234-ECOM	KONG JIA WEN	ECOM004	WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)	TAN MING MING	Delete
12						

Click last column for selecting this row.

AfterDelete No4

← → ↻ ⚠ Not secure | localhost:44301/SearchStudentD.aspx

School Record Management System

Student Record ▾

admin Logout

Search Student

Student Name

Subject Code

No	Student ID	Student Name	Subject Code	Subject Name	Lecturer Name	
1	TESTing0023	Test Ting 023	CGDD002	CGDD002 - PRACTICAL ICT SKILLS	testingL123.edit	Delete
2	1751234-BSOA	WONG QI YI	BSOA011	COMPUTERIZED PAYROLL	LIM BEE HUI	Delete
3	1851234-SEMD	LIM FENG FENG	SEMD008	COMPUTER NETWORKING	NG WAI KONG	Delete
5	1851234-ECOM	KONG JIA WEN	ECOM004	WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)	TAN MING MING	Delete
6	1951234-CGDD	CHONG SIAO YU	CGDD002	PRACTICAL ICT SKILLS	NG WAI KONG	Delete

AddStudentByFile After Delete No 4

School Record Management System

Student Record

adminLogout

Upload Data File

Choose a File

No file chosen

Upload

Upload status: File upload success!

'BSOA011','COMPUTERIZED PAYROLL','1751234-BSOA','WONG QI YI','dev.ng@outlook.com','LIM BEE HUI','semd2019@gmail.com' - This Data Exists

'SEMD008','COMPUTER NETWORKING','1851234-SEMD','LIM FENG FENG','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - This Data Exists

'ITIN015','DISASTER RECOVERY MANAGEMENT','1851234-ITIN','HO DENG DENG','dev.ng@outlook.com','SZE CHEN NEE @ SOO CHEN NEE','semd2019@gmail.com' - Data Upload Successful

'ECOM004','WEB DEVELOPMENT SKILLS: WEB PROGRAMMING (PHP & MYSQL)','1851234-ECOM','KONG JIA WEN','dev.ng@outlook.com','TAN MING MING','semd2019@gmail.com' - This Data Exists

'CGDD002','PRACTICAL ICT SKILLS','1951234-CGDD','CHONG SIAO YU','dev.ng@outlook.com','NG WAI KONG','semd2019@gmail.com' - This Data Exists

ViewStudent After Upload

School Record Management System

Student Record

adminLogout

Search Student

Student Name

Subject Code

Search

No	Student ID	Student Name	Subject Code	Subject Name	Lecturer Name	
7	1851234-ITIN	HO DENG DENG	ITIN015	DISASTER RECOVERY MANAGEMENT	SZE CHEN NEE @ SOO CHEN NEE	View
12						