Imports DAL

Imports BAL

'Student and guradian is prepared together within the same  dataset.

Public Class StudentData

    Public Function extractstudentdata() As DataTable

        Dim GetStudentData As New returnStudentData

        Dim studentdata As New DataSet

        studentdata = GetStudentData.GetStudentInfo()

        Dim Student\_dt = studentdata.Tables("StudentProfile")

        Return Student\_dt

    End Function

End Class

Public Class GuardianData

    Public Function extractguardianData() As DataTable

        Dim GetGuardianData As New returnGuardianInfo

        Dim GuardianData As New DataSet

        GuardianData = GetGuardianData.GetGuardianInfo

        Dim Guardian\_dt = GuardianData.Tables("GuardianProfile")

        Return Guardian\_dt

    End Function

End Class

Public Class StudentGuardianRelationship

    Public Function Student\_Guardian() As DataTable

        Dim userLink As IlocateLinkedUser = New returnLinkedUsersTable

        Dim dt As New DataTable

        dt = userLink.everyUserLink

        Return dt

    End Function

End Class

'Sort Students by last name

Public Class SortData

    Inherits MergeData

    Public Function SortdataTable(ByVal Active As Boolean) As DataView

        Dim dt As DataTable

        dt = Merger(Active)

        Dim dv As New DataView(dt)

        dv.Sort = "Student LastName ASC"

        Return dv

    End Function

End Class

'Sort students by first Name

Public Class SortStudentParent

    Inherits MergeData

    Public Function SortStudentParentinfo(ByVal Guardianid As String) As DataView

        Dim dt As DataTable

        dt = StudentParentAssociation(Guardianid)

        Dim dv As New DataView(dt)

        dv.Sort = "Student LastName ASC"

        Return dv

    End Function

End Class

'Combine All Students with Thier Guardians based on their Status as "Active" (Students currently enrolled) or "Inactive" students (Students that are no longer with the institute )

Public Class MergeData

    Inherits ScheduleConfig

    Public Function Merger(ByVal status As Boolean) As DataTable

        Dim GetStudent As New StudentData

        Dim GetGuardian As New GuardianData

        Dim Getrelationship As New StudentGuardianRelationship

        Dim StudentStorage\_dt As New DataTable

        Dim studentinfo\_dt As DataTable

        Dim guardianinfo\_dt As DataTable

        Dim relationship\_dt As DataTable

        StudentStorage\_dt = StudentData()

        studentinfo\_dt = GetStudent.extractstudentdata()

        guardianinfo\_dt = GetGuardian.extractguardianData

        relationship\_dt = Getrelationship.Student\_Guardian()

Dim StudentFullname, StudentFirstname, StudentLastname, DOB, Gender, Dist, School As String

        Dim GuardianFirstname As String = String.Empty

        Dim GuardianLastname As String = String.Empty

        Dim GuardianFullName As String = String.Empty

        Dim Gt As String = String.Empty

        Dim email1 As String = String.Empty

        Dim email2 As String = String.Empty

        Dim Address As String = String.Empty

        Dim outputdob As Date

        Dim City As String = String.Empty

        Dim State As String = String.Empty

        Dim Zip As String = String.Empty

        Dim Homeph As String = String.Empty

        Dim Cellph As String = String.Empty

        Dim Workph As String = String.Empty

        Dim Otherph As String = String.Empty

        Dim initialinquiry As String = String.Empty

        Dim reportdate As String = String.Empty

        Dim tutoringstartdate As String = String.Empty

        Dim tutoringstopdate As String = String.Empty

        Dim assessmentdate As String = String.Empty

        Dim row1 As DataRow

        Dim Savedata As DataRow

        Dim studentid As String = Nothing

        Dim Studentquery As String = [String].Empty

        Dim Guardianquery As String = [String].Empty

        Dim Guardianid As String = Nothing

        Dim II, AssDate, RptDate, tutorStart, TutorStop As DateTime

        For Each row1 In relationship\_dt.Rows

            studentid = row1("StudentID")

            Guardianid = row1("Guardianid")

            Studentquery = "Studentid='" & studentid.Trim & "'"

            Guardianquery = "GuardianId='" & Guardianid.Trim & "'"

            Dim Studentrow() As DataRow = studentinfo\_dt.Select(Studentquery.Trim)

            Dim Guardianrow() As DataRow = guardianinfo\_dt.Select(Guardianquery.Trim)

            For i = 0 To Studentrow.Length - 1

                StudentFirstname = Studentrow(i)("First Name").ToString

                StudentLastname = Studentrow(i)("Last Name").ToString

                StudentFullname = StudentFirstname.Trim & " " & StudentLastname.Trim

                If IsDBNull(Studentrow(i)("DOB")) = True Then

                    DOB = [String].Empty

                Else

                    DOB = Studentrow(i)("DOB")

                    outputdob = Convert.ToDateTime(DOB)

                End If

                If Studentrow(i)("Gender") Is DBNull.Value Then

                    Gender = [String].Empty

                Else

                    Gender = Studentrow(i)("Gender").ToString

                End If

                If Studentrow(i)("District Zone") Is DBNull.Value Then

                    Dist = [String].Empty

                Else

                    Dist = Studentrow(i)("District Zone").ToString

                End If

                If Studentrow(i)("School Attending") Is DBNull.Value Then

                    School = [String].Empty

                Else

                    School = Studentrow(i)("School Attending").ToString

                End If

                If IsDBNull(Studentrow(i)("Initial Inquiry Date")) = True Then

                    initialinquiry = II.ToString

                    initialinquiry = [String].Empty

                Else

                    II = Studentrow(i)("Initial Inquiry Date")

                    initialinquiry = II.ToString("MM/dd/yyyy")

                End If

                If Studentrow(i)("Assessment Date") Is DBNull.Value Then

                    assessmentdate = AssDate.ToString()

                    assessmentdate = [String].Empty

                Else

                    AssDate = Studentrow(i)("Assessment Date")

                    assessmentdate = AssDate.ToString("MM/dd/yyyy")

                End If

                If Studentrow(i)("Report Discussion Date") Is DBNull.Value Then

                    reportdate = RptDate.ToString()

                    reportdate = [String].Empty

                Else

                    RptDate = Studentrow(i)("Report Discussion Date")

                    reportdate = RptDate.ToString("MM/dd/yyyy")

                End If

                If Studentrow(i)("Tutoring Start Date") Is DBNull.Value Then

                    tutoringstartdate = tutorStart.ToString()

                    tutoringstartdate = [String].Empty

                Else

                    tutorStart = Studentrow(i)("Tutoring Start Date")

                    tutoringstartdate = tutorStart.ToString("MM/dd/yyyy")

                End If

                If Studentrow(i)("Tutoring Stop Date") Is DBNull.Value Then

                    tutoringstopdate = TutorStop.ToString()

                    tutoringstopdate = [String].Empty

                Else

                    TutorStop = Studentrow(i)("Tutoring Stop Date")

                    tutoringstopdate = TutorStop.ToString("MM/dd/yyyy")

                End If

                Dim activeStudent As Boolean

                activeStudent = Studentrow(i)("Active")

                For j = 0 To Guardianrow.Length - 1

                    GuardianFirstname = Guardianrow(j)("First Name")

                    GuardianLastname = Guardianrow(j)("Last Name")

              GuardianFullName = GuardianFirstname.Trim & " " & GuardianLastname.Trim

                    Gt = Guardianrow(j)("Guardian Type")

                    If IsDBNull(Guardianrow(j)("Email")) = True Then

                        email1.ToString()

                        email1 = [String].Empty

                    Else

                        email1 = Guardianrow(j)("Email")

                    End If

                    If IsDBNull(Guardianrow(j)("Alt Email")) = True Then

                        email2.ToString()

                        email2 = [String].Empty

                    Else

                        email2 = Guardianrow(j)("Alt Email").ToString

                    End If

                    If IsDBNull(Guardianrow(j)("Address")) = True Then

                        Address.ToString()

                        Address = [String].Empty

                    Else

                        Address = Guardianrow(j)("Address")

                    End If

                    City = Guardianrow(j)("City")

                    State = Guardianrow(j)("State")

                    Zip = Guardianrow(j)("Zip Code")

                    If IsDBNull(Guardianrow(j)("Home Phone")) = True Then

                        Homeph.ToString()

                        Homeph = [String].Empty

                    Else

                        Homeph = Guardianrow(j)("Home Phone")

                    End If

                    If IsDBNull(Guardianrow(j)("Cell Phone")) = True Then

                        Cellph.ToString()

                        Cellph = [String].Empty

                    Else

                        Cellph = Guardianrow(j)("Cell Phone")

                    End If

                    If IsDBNull(Guardianrow(j)("Work")) = True Then

                        Workph.ToString()

                        Workph = [String].Empty

                    Else

                        Workph = Guardianrow(j)("Work")

                    End If

                    If IsDBNull(Guardianrow(j)("Fax")) = True Then

                        Otherph.ToString()

                        Otherph = [String].Empty

                    Else

                        Otherph = Guardianrow(j)("Fax")

                    End If

                Next

                Savedata = StudentStorage\_dt.NewRow

                Savedata("Student LastName") = StudentLastname.Trim

                Savedata("Student FirstName") = StudentFirstname.Trim

                Savedata("Student Name") = StudentFullname.Trim

                Savedata("DOB") = outputdob.ToString("MM/dd/yyyy")

                Savedata("Gender") = Gender.Trim

                Savedata("School District") = Dist.Trim

                Savedata("School") = School.Trim

                Savedata("Initial Inquiry") = initialinquiry.Trim

                Savedata("Assesssment") = assessmentdate.Trim

                Savedata("Report Discussion") = reportdate.Trim

                Savedata("Tutoring Start") = tutoringstartdate.Trim

                Savedata("Tutoring Stop") = tutoringstopdate.Trim

                If activeStudent = True Then

                    Savedata("Active") = "YES"

                ElseIf activeStudent = False Then

                    Savedata("Active") = "NO"

                End If

                Savedata("Guardian Name") = GuardianFullName.Trim

                Savedata("Guardian FirstName") = GuardianFirstname.Trim

                Savedata("Guardian LastName") = GuardianLastname.Trim

                Savedata("Guardian Type") = Gt.Trim

                Savedata("Email") = email1.Trim

                Savedata("Alt Email") = email2.Trim

                Savedata("Address") = Address.Trim

                Savedata("City") = City.Trim

                Savedata("State") = State.Trim

                Savedata("Zip Code") = Zip.Trim

                Savedata("Home Phone") = Homeph.Trim

                Savedata("Cell Phone") = Cellph.Trim

                Savedata("Work Phone") = Workph.Trim

                Savedata("Fax") = Otherph.Trim

                If status = True And activeStudent = True Then

                    StudentStorage\_dt.Rows.Add(Savedata)

                ElseIf status = False And (activeStudent = True Or activeStudent = False) Then

                    StudentStorage\_dt.Rows.Add(Savedata)

                End If

            Next

        Next

        Return StudentStorage\_dt

    End Function

    'Combine guardian with students

    Public Function StudentParentAssociation(ByVal guardianid As String) As DataTable

        Dim finduserLink As IlocateLinkedUser = New returnLinkedUsersTable

        Dim GetStudent As New StudentData

        Dim StudentStorage\_dt As New DataTable

        Dim dt As DataTable

        Dim Studentinfo\_dt As DataTable

        Dim Savedata As DataRow

        Dim outputdob As Date

        Dim initialinquiry As String = String.Empty

        Dim reportdate As String = String.Empty

        Dim tutoringstartdate As String = String.Empty

        Dim tutoringstopdate As String = String.Empty

        Dim assessmentdate As String = String.Empty

        Dim StudentFullname, StudentFirstname, StudentLastname, DOB, Gender, Dist, School As String

        Dim II, AssDate, RptDate, tutorStart, TutorStop As DateTime

        StudentStorage\_dt = StudentData()

        dt = finduserLink.everyUserLink

        Studentinfo\_dt = GetStudent.extractstudentdata()

        Dim query As String = "Guardianid='" & guardianid & "'"

        Dim studentid As String = String.Empty

        Dim studentquery As String = String.Empty

        Dim guardianrow() As DataRow = dt.Select(query)

        For a = 0 To guardianrow.Length - 1

            studentid = guardianrow(a)("Studentid")

            studentquery = "Studentid='" & studentid.Trim & "'"

            Dim Studentrow() As DataRow = Studentinfo\_dt.Select(studentquery.Trim)

            For i = 0 To Studentrow.Length - 1

                StudentFirstname = Studentrow(i)("First Name").ToString

                StudentLastname = Studentrow(i)("Last Name").ToString

                StudentFullname = StudentLastname.Trim & ", " & StudentFirstname.Trim

                If IsDBNull(Studentrow(i)("DOB")) = True Then

                    DOB = [String].Empty

                Else

                    DOB = Studentrow(i)("DOB")

                    outputdob = Convert.ToDateTime(DOB)

                End If

                If Studentrow(i)("Gender") Is DBNull.Value Then

                    Gender = [String].Empty

                Else

                    Gender = Studentrow(i)("Gender").ToString

                End If

                If Studentrow(i)("District Zone") Is DBNull.Value Then

                    Dist = [String].Empty

                Else

                    Dist = Studentrow(i)("District Zone").ToString

                End If

                If Studentrow(i)("School Attending") Is DBNull.Value Then

                    School = [String].Empty

                Else

                    School = Studentrow(i)("School Attending").ToString

                End If

                If IsDBNull(Studentrow(i)("Initial Inquiry Date")) = True Then

                    initialinquiry = II.ToString

                    initialinquiry = [String].Empty

                Else

                    II = Studentrow(i)("Initial Inquiry Date")

                    initialinquiry = II.ToString("m/dd/yyyy")

                End If

                If Studentrow(i)("Assessment Date") Is DBNull.Value Then

                    assessmentdate = AssDate.ToString()

                    assessmentdate = [String].Empty

                Else

                    AssDate = Studentrow(i)("Assessment Date")

                    assessmentdate = AssDate.ToString("m/dd/yyyy")

                End If

                If Studentrow(i)("Report Discussion Date") Is DBNull.Value Then

                    reportdate = RptDate.ToString()

                    reportdate = [String].Empty

                Else

                    RptDate = Studentrow(i)("Report Discussion Date")

                    reportdate = RptDate.ToString("m/dd/yyyy")

                End If

                If Studentrow(i)("Tutoring Start Date") Is DBNull.Value Then

                    tutoringstartdate = tutorStart.ToString()

                    tutoringstartdate = [String].Empty

                Else

                    tutorStart = Studentrow(i)("Tutoring Start Date")

                    tutoringstartdate = tutorStart.ToString("m/dd/yyyy")

                End If

                If Studentrow(i)("Tutoring Stop Date") Is DBNull.Value Then

                    tutoringstopdate = TutorStop.ToString()

                    tutoringstopdate = [String].Empty

                Else

                    TutorStop = Studentrow(i)("Tutoring Stop Date")

                    tutoringstopdate = TutorStop.ToString("m/dd/yyyy")

                End If

                Savedata = StudentStorage\_dt.NewRow

                Savedata("Student Name") = StudentFullname.Trim

                Savedata("DOB") = outputdob.ToString("MM/dd/yyyy")

                Savedata("Gender") = Gender.Trim

                Savedata("School District") = Dist.Trim

                Savedata("School") = School.Trim

                Savedata("Initial Inquiry") = initialinquiry.Trim

                Savedata("Assesssment") = assessmentdate.Trim

                Savedata("Report Discussion") = reportdate.Trim

                Savedata("Tutoring Start") = tutoringstartdate.Trim

                Savedata("Tutoring Stop") = tutoringstopdate.Trim

                StudentStorage\_dt.Rows.Add(Savedata)

            Next

        Next a

        Return StudentStorage\_dt

    End Function

End Class