Imports System.Threading

Public Class mainForm
    Private SplashThread As Thread 'Create new Thread for Splash 

    Structure Student 
        Public firstname As String 
        Public middlename As String 
        Public lastname As String 
        Public SSnumber As String 
        Public exams() As Double 
        Public quizzes() As Double 
        Public assignments() As Double 
        Public semesterProject As Double 
        Public attendance As Integer 
        Public numericgrade As Double 
        Public alphabeticgrade As Char 
    End Structure 

    Private selectedStudent As Integer = -1 
    Private listOfStudent As New List(Of Student) 

    Private Sub mainForm_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load 
        SplashThread = New Thread(AddressOf ShowSplashForm) ' Create new Thread 
        SplashThread.Start() ' New Tread Start 
        Thread.Sleep(3000) 
        SplashThread.Abort() 
    End Sub 

    Private Sub ShowSplashForm() 
        Dim newSplashForm = New formSplashScreen() 
        newSplashForm.ShowDialog() 
        newSplashForm.Dispose() 
    End Sub 

    Private Sub QuitToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles QuitToolStripMenuItem.Click 
        Me.Close() 
    End Sub 

    Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnExit.Click 
        Me.Close() 
    End Sub 

Sample: Visual Basic - Calculating Final Grade

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        Thread.Sleep(3000) 
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    End Sub 

    Private Sub ShowSplashForm() 
        Dim newSplashForm = New formSplashScreen() 
        newSplashForm.ShowDialog() 
        newSplashForm.Dispose() 
    End Sub 

    Private Sub QuitToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles QuitToolStripMenuItem.Click 
        Me.Close() 
    End Sub 

    Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnExit.Click 
        Me.Close() 
    End Sub 

Sample: Visual Basic - Calculating Final Grade
Private Sub btnInputData_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnInputData.Click
Try
    Dim password As String = InputBox("Enter password")
    If password = "1234" Then
        ClearAll()
        Dim rand As New Random()
        Dim newStudent As New Student()
        ReDim newStudent.exams(2)
        ReDim newStudent.quizzes(4)
        ReDim newStudent.assignments(6)

        newStudent.firstname = InputBox("Enter first name:")
        newStudent.middlename = InputBox("Enter middle name:")
        newStudent.lastname = InputBox("Enter last name:")
        newStudent.SSnumber = newStudent.firstname(0).ToString() +
        newStudent.middlename(0).ToString() +
        newStudent.lastname(0).ToString() +
        (rand.Next(1000) + 100).ToString()

        Dim attendance As Integer = -1
        While (attendance < 0 Or attendance > 19)
            attendance = Integer.Parse(InputBox("Enter attendance grade ranges (0-19):"))
        End While
        newStudent.attendance = attendance

        Dim semesterProject As Double = -1
        While (semesterProject < 0 Or semesterProject > 100)
            semesterProject = Double.Parse(InputBox("Enter points for semester Project grade ranges (0-100):"))
        End While
        newStudent.semesterProject = semesterProject

        Dim exam As Double = -1
        While (exam < 0 Or exam > 100)
            exam = Double.Parse(InputBox("Enter points for exam 1 grade ranges (0-100):"))
        End While
        newStudent.exams(0) = exam
        exam = -1
        While (exam < 0 Or exam > 100)
            exam = Double.Parse(InputBox("Enter points for exam 2 grade ranges (0-100):"))
        End While
        newStudent.exams(1) = exam

        Dim assignments As Double
        For i As Integer = 0 To 5
            assignments = -1
            While (assignments < 0 Or assignments > 100)
                assignments = Double.Parse(InputBox("Enter points for assignment " + (i + 1).ToString() + " grade ranges (0-100):"))
            End While
            newStudent.assignments(i) = assignments
        Next

        Dim quizz As Double

    End If
End Try
End Sub
For i As Integer = 0 To 3
    quizz = -1
    While (quizz < 0 Or quizz > 100)
        quizz = Double.Parse(InputBox("Enter points for quizz " + (i + 1).ToString() + " grade ranges (0-100): "))
    End While
    newStudent.quizzes(i) = quizz
Next
listofStudent.Add(newStudent)
studentsListBox.Items.Clear()
For i As Integer = 0 To listofStudent.Count - 1
    studentsListBox.Items.Add(listofStudent(i).lastname + " "+ listofStudent(i).firstname + " "+ listofStudent(i).middlename + " "+ listofStudent(i).SSnumber)
Next
selectedStudent = listofStudent.Count - 1
ShowInformation(listofStudent(selectedStudent))
Else
    MessageBox.Show("Incorrect password", "Password", MessageBoxButtons.OK, MessageBoxIcon.Error)
End If

Catch ex As Exception
End Try
End Sub

Private Sub Update(ByVal index As Integer)
    Dim editStudent As New Student
    ReDim editStudent.exams(2)
    ReDim editStudent.quizzes(4)
    ReDim editStudent.assignments(6)
    Dim password As String = InputBox("Enter password")
    If password = "1234" Then
        Dim rand As New Random()
        editStudent.firstname = InputBox("Enter first name:" )
        editStudent.middlename = InputBox("Enter middle name:" )
        editStudent.lastname = InputBox("Enter last name:" )
        editStudent.SSnumber = editStudent.firstname(0).ToString() + editStudent.middlename(0).ToString() + editStudent.lastname(0).ToString() + (rand.Next(1000) + 100).ToString()
        Dim attendance As Integer = -1
        While (attendance < 0 Or attendance > 19)
            attendance = Integer.Parse(InputBox("Enter attendance grade ranges (0-19):"))
        End While
        editStudent.attendance = attendance
        Dim semesterProject As Double = -1
        While (semesterProject < 0 Or semesterProject > 100)
            semesterProject = Double.Parse(InputBox("Enter points for semester Project grade ranges (0-100):"))
        End While
        editStudent.semesterProject = semesterProject
        Dim exam As Double = -1
        While (exam < 0 Or exam > 100)
exam = Double.Parse(InputBox("Enter points for exam 1 grade ranges (0-
100):"))
End While
editStudent.exams(0) = exam
exam = -1
While (exam < 0 Or exam > 100)
    exam = Double.Parse(InputBox("Enter points for exam 2 grade ranges (0-
100):"))
End While
editStudent.exams(1) = exam

Dim assignments As Double
For i As Integer = 0 To 5
    assignments = -1
    While (assignments < 0 Or assignments > 100)
        assignments = Double.Parse(InputBox("Enter points for assignment " +
(i + 1).ToString() + " grade ranges (0-100): "))
    End While
    editStudent.assignments(i) = assignments
Next

Dim quizz As Double
For i As Integer = 0 To 3
    quizz = -1
    While (quizz < 0 Or quizz > 100)
        quizz = Double.Parse(InputBox("Enter points for quizz " + (i + 1).ToString() + " grade ranges (0-100): "))
    End While
    editStudent.quizzes(i) = quizz
Next

listofStudent(index) = editStudent
studentsListBox_Items.Clear()
For i As Integer = 0 To listofStudent.Count - 1
    studentsListBox_Items.Add(listofStudent(i).lastname + " " +
listofStudent(i).firstname + " " + listofStudent(i).middlename + " " +
listofStudent(i).SSnumber)
Next
Else
    MessageBox.Show("Incorrect password", "Password", MessageBoxButtons.OK,
MessageBoxIcon.Error)
End If
End Sub

Private Sub ShowInformation(ByVal _student As Student)
txtFirstName.Text = _student.firstname
txtMiddleName.Text = _student.middlename
txtLastName.Text = _student.lastname
txtSS.Text = _student.SSnumber
txtAttendance.Text = _student.attendance.ToString()
txtSemesterProject.Text = _student.semesterProject.ToString()

lblAss1.Text = _student.assignments(0).ToString()
lblAss2.Text = _student.assignments(1).ToString()
lblAss3.Text = _student.assignments(2).ToString()
lblAss4.Text = _student.assignments(3).ToString()
lblAss5.Text = _student.assignments(4).ToString()
lblAss6.Text = _student.assignments(5).ToString()

lblExam1.Text = _student.exams(0).ToString()
lblExam2.Text = _student.exams(1).ToString()

lblQuestion1.Text = _student.quizzes(0).ToString()
lblQuestion2.Text = _student.quizzes(1).ToString()
lblQuestion3.Text = _student.quizzes(2).ToString()
lblQuestion4.Text = _student.quizzes(3).ToString()

End Sub

'''<summary>
''' Clear All Fields
'''</summary>

Private Sub ClearAll()
    txtFirstName.Text = ""
    txtMiddleName.Text = ""
    txtLastName.Text = ""
    txtSS.Text = ""
    txtAttendance.Text = ""
    txtSemesterProject.Text = ""
    lblAss1.Text = ""
    lblAss2.Text = ""
    lblAss3.Text = ""
    lblAss4.Text = ""
    lblAss5.Text = ""
    lblAss6.Text = ""
    lblExam1.Text = ""
    lblExam2.Text = ""
    lblQuestion1.Text = ""
    lblQuestion2.Text = ""
    lblQuestion3.Text = ""
    lblQuestion4.Text = ""
    lblNumericgrade.Text = ""
    lblAlphabeticgrade.Text = ""
End Sub

'''<summary>
''' calculate Percentages
'''</summary>

Private Function calculatePercentages(ByVal inputData() As Double, ByVal n As Integer) As Double
    Dim total As Double = 0
    Dim globaltotal As Double = 0
    For i As Integer = 0 To n
        globaltotal += 100
        total += inputData(i)
    Next
    Dim percentage As Double = total / globaltotal
    Return percentage
End Function
Public Function FindGrade(ByVal numericgrade As Double) As Char
    Dim grade As Char
    If numericgrade > 89 Then
        grade = "A"
        lblGradeMessage.Text = "Excellent!"
        Return grade
    End If
    If numericgrade > 79 Then
        grade = "B"
        lblGradeMessage.Text = "Very good!"
        Return grade
    End If
    If numericgrade > 69 Then
        grade = "C"
        lblGradeMessage.Text = "Good!"
        Return grade
    End If
    If numericgrade > 59 Then
        grade = "D"
        lblGradeMessage.Text = "Poor!"
        Return grade
    End If
    If numericgrade <= 59 Then
        grade = "F"
        lblGradeMessage.Text = "Fail!"
        Return grade
    End If
End Function

Private Sub CalculateGrades(ByVal _Student As Student)
    'Assignments 20 %
    Dim assignmentPercentage As Double = calculatePercentages(_Student.assignments, 5) * 20
    '4 Quizzes 15 %
    Dim quizzePercentage As Double = calculatePercentages(_Student.quizzes, 3) * 15
    '2 Exams 30 %
    Dim examPercentage As Double = calculatePercentages(_Student.exams, 1) * 30
    'Semester Project 25 %
    Dim semesterprojectPercentage As Double = _Student.semesterProject * 25 / 100
    'Attendance 10 % (19 classes = 100 % attendance)
    Dim attendancePercentage As Double = _Student.attendance * 10 / 19
    _Student.numericgrade = assignmentPercentage + quizzePercentage + examPercentage + semesterprojectPercentage + attendancePercentage
    lblNumericgrade.Text = Decimal.Round(_Student.numericgrade, 1, MidpointRounding.AwayFromZero).ToString()
    lblAlphabeticgrade.Text = FindGrade(_Student.numericgrade).ToString()
End Sub
Private Sub btnCalculateGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalculateGrade.Click
    If (selectedStudent <> -1) Then
        CalculateGrades(listofStudent(selectedStudent))
    End If
End Sub

Private Sub mainForm_FormClosing(ByVal sender As System.Object, ByVal e As System.Windows.Forms.FormClosingEventArgs) Handles MyBase.FormClosing
    Select Case MessageBox.Show("Are you sure you want to exit?", "Confirm", MessageBoxButtons.YesNo, MessageBoxIcon.Question)
    Case Windows.Forms.DialogResult.Yes
        'nothing to do here the form is already closing
    Case Windows.Forms.DialogResult.No
        e.Cancel = True 'cancel the form closing event
    End Select
End Sub

Private Sub studentsListBox_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles studentsListBox.SelectedIndexChanged
    Try
        selectedStudent = studentsListBox.SelectedIndex
        ShowInformation(listofStudent(selectedStudent))
    Catch ex As Exception
    End Try
End Sub

Private Sub btnEditStudent_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEditStudent.Click
    Try
        selectedStudent = studentsListBox.SelectedIndex
        Update(selectedStudent)
        ShowInformation(listofStudent(selectedStudent))
    Catch ex As Exception
        MessageBox.Show(ex.ToString())
    End Try
End Sub
Public Class formSplashScreen

    Private Sub formSplashScreen_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        lblDate.Text = "Date: " + DateTime.Now.ToString("d")
        lblTime.Text = "Time: " + DateTime.Now.ToString("HH:mm:ss")
    End Sub

End Class