**VB CODE:**

Public Class frmTextFileReader

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'Last Updated: 13 March 2020

'Description: This program locates, reads and then displays a external text file

Private Sub btnRead\_Click(sender As Object, e As EventArgs) Handles btnRead.Click

Dim FileName As String = "Mobile.txt"

Dim ContactData As ListViewItem 'create contact data variable as type listviewitem

Dim FileNum As Integer = FreeFile()

Dim FirstName As String

Dim LastName As String

Dim MobileNumber As String

FileOpen(FileNum, FileName, OpenMode.Input) 'open file

Do Until EOF(FileNum) 'Reads file and alocates were each line goes till it reaches the end of the txt file

FirstName = LineInput(FileNum)

LastName = LineInput(FileNum)

MobileNumber = LineInput(FileNum)

ContactData = New ListViewItem

ContactData.Text = FirstName

ContactData.SubItems.Add(LastName)

Dim a As String = Mid(MobileNumber, 1, 4)

Dim b As String = Mid(MobileNumber, 5, 7)

Dim g As String = Mid(b, 1, 3)

Dim c As String = Mid(MobileNumber, 8, 10)

ContactData.SubItems.Add(Format(MobileNumber, a & " " & g & " " & c))

lvwContacts.Items.Add(ContactData)

Loop

FileClose(FileNum) 'closes file when loop is finshed

btnRead.Enabled = False

End Sub

Private Sub btnClear\_Click(sender As Object, e As EventArgs) Handles btnClear.Click

txtPathFinder.Clear() 'clears path to file and refreshes the list view

txtPathFinder.Focus()

btnRead.Enabled = True

lvwContacts.Items.Clear()

End Sub

End Class

TEST TABLE:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of Test** | **Test Data** | **Expected Results** | **Actual Results** | **Note/Further Explanation** |
| **Type Test** | txtPath = abc | Display error message |  |  |
| **Blank - cmbGrade** | txtPath = “” or “ “ | Display error message |  |  |
| **Functionally test** | txtPath = “Mobile.txt” | Display mobile contacts |  |  |