


```

For i = 0 To Number_of_Fields - 1
    If (Field_Keeper(i)) Then
        'Write the header to the output file
        My.Computer.FileSystem.WriteAllText(Outputfile, Header(i) & ",", True)
    End If
Next
'Now add the CrLf at the end of the line, with the last column being the count of processed records
My.Computer.FileSystem.WriteAllText(Outputfile, "Record Count" & vbCrLf, True)

'Now Process the *.txt input file, record by record

LineCounter = 1
While Not Reader.EndOfData 'Read the input data until the end
    FieldCounter = 0
    Try
        currentRow = Reader.ReadFields()
        Dim currentField As String
        For Each currentField In currentRow '503 fields per record
            If (Field_Keeper(FieldCounter)) Then 'If true, write the field to csv file, else skip it
                My.Computer.FileSystem.WriteAllText(Outputfile, currentField & ",", True)
            End If
            FieldCounter = FieldCounter + 1
            Me.txtFields.Text = FieldCounter
        Next
        'Write a CRLF when the end of line is encountered
        My.Computer.FileSystem.WriteAllText(Outputfile, LineCounter & vbCrLf, True)

        Catch ex As Microsoft.VisualBasic.FileIO.MalformedLineException
            MsgBox("Line " & ex.Message & "is not valid and will be skipped.")
        End Try
        LineCounter = LineCounter + 1
        Me.txtRecords.Text = LineCounter
    End While
    Me.txtRecords.Text = "Complete"

End Using
End Sub

Private Sub btn_OpenFile_Click(sender As System.Object, e As System.EventArgs) Handles btn_OpenFile.Click

    Dim myStream As IO.Stream = Nothing
    Dim openFileDialog1 As New OpenFileDialog()

    openFileDialog1.InitialDirectory = "Q:\Data Manual"
    openFileDialog1.Filter = "txt files (*.txt)|*.txt|All files (*.*)|*.*"
    openFileDialog1.FilterIndex = 2
    openFileDialog1.RestoreDirectory = True

    If openFileDialog1.ShowDialog() = System.Windows.Forms.DialogResult.OK Then
        Try
            myStream = openFileDialog1.OpenFile()
            If (myStream IsNot Nothing) Then
                Inputfile = Path.GetDirectoryName(openFileDialog1.FileName) & "\" &
                Path.GetFileName(openFileDialog1.FileName)
                Me.txt_InputFile.Text = Inputfile
                Call Convert_Data(myStream) 'Read the data file
            End If
        Catch Ex As Exception
            MessageBox.Show("Cannot read file from disk. Original error: " & Ex.Message)
        Finally
            ' Check this again, since we need to make sure we didn't throw an exception on open.

```

```
        If (myStream IsNot Nothing) Then
            myStream.Close()
        End If
    End Try
End If
End Sub
```

```
Public Sub Initialize_Header()
```

```
    ReDim Header(Number_of_Fields)
```

```
    Header(0) = "Field Name 1" <-Generic names to avoid client confidential data
```

```
    Header(1) = "Field Name 2"
```

```
    ...
```

```
    Header(502) = "Field Name 503"
```

```
End Sub
```

```
Private Sub Convert_Load(sender As System.Object, e As System.EventArgs) Handles MyBase.Load
```

```
    Me.txt_InputFile.Text = Inputfile
```

```
    Me.txt_OutputFile.Text = Outputfile
```

```
End Sub
```

```
End Class
```