```
Imports System
Imports System.IO
Public Class frm_Convert
            'KCB 1/28/14 - Parse the 4800 character data set to form a csy file
            'Declaration
              Public Const Number of Fields = 503
           Dim Inputfile As String = "c:\test\4800_2011.txt" '
           Dim Outputfile As String = "c:\test\4800_2011.csv"
           Public Header() As String
           'The following array is used to identify which of the 503 fields will be kept in the output file
           1,_
                                                                                                        Dim LineCounter As Long
           Public Sub Convert Data(myInputFile As IO.Stream)
                      Dim i As Integer
                      Dim FieldCounter As Integer
                      Dim currentRow As String()
                      Using Reader As New Microsoft. Visual Basic. File IO. Text Field Parser (my Input File) 'Input file read from a file dialog box
                                  'Read all 503 fields in the flat text file that is exactly 4800 characters wide!
                                  Reader.TextFieldType = Microsoft.VisualBasic.FileIO.FieldType.FixedWidth
                                  Reader.SetFieldWidths(4, 20, 50, 30, 4, 1, 8, 8, 2, 2, 2, 15, 15, 19, 15, 10, 2, 30, 1, 30, 30, 30, 30, 2, 5, 4, 8, 1, 9, 4, 3, 3,
3, 3, 3, 22, _
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100)

8, 7, 15, 4, 8, 7,

^{&#}x27;Write the header, using only the fields we want to keep from the 503 original columns of data Call Initialize_Header() 'Initialize the field names that might be written to the ouput file

```
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. End Of Data 'Read the input data until the end
        FieldCounter = 0
        Trv
          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)
            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, Visual Basic, File IO, Malformed Line Exception
          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 mvStream As IO.Stream = Nothing
    Dim openFileDialog1 As New OpenFileDialog()
    openFileDialog1.InitialDirectory = "0:\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
      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