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1 Imports Interop.gsa_8_7
2 Module Helpers
3     Public Function LoadGsaFile(FileName As String) As ComAuto
4         Dim i As Integer = 0
5
6         'Start GSA
7         Try
8     TryAgain:
9             i = i + 1
10            LoadGsaFile = New ComAuto
11        Catch ex As System.Runtime.InteropServices.COMException
12            'Throw New System.Exception("Cannot initialise GSA object. " &
13                ex.Message)
14            System.Threading.Thread.Sleep(100)
15            If i < 1000 Then GoTo TryAgain
16        End Try
17        If LoadGsaFile Is Nothing Then
18            Throw New System.Exception("Cannot initialise GSA object")
19        End If
20
21        'Open Gsa
22        LoadGsaFile.Open(FileName)
23    End Function
24    Public Function CloseGsaFile(GsaObj As ComAuto) As ComAuto
25        GsaObj.Close()
26        System.Threading.Thread.Sleep(1000)
27        Return Nothing
28    End Function
29    Function ParseLoadCaseData(LoadCase As List(Of String)) As List(Of String
30        ())
31        Dim Data(0 To 2) As String
32        Dim Output As New List(Of String())
33        Dim i As Integer
34        For Each item In LoadCase
35            i = 0
36            Data(0) = Nothing
37            Data(1) = Nothing
38            Data(2) = Nothing
39            'Get Analysis Task Type
40            Do
41                Data(0) = Data(0) & item(i)
42                i = i + 1
43                If i = Len(item) Then Exit Do
44                If Asc(item(i)) < 65 Then Exit Do
45            Loop
46            'Get Case Number
47            Do
48                Data(1) = Data(1) & item(i)
49                i = i + 1
50                If i = Len(item) Then Exit Do
51                If Asc(item(i)) > 57 Then Exit Do
52            Loop
53            'Get Envelope Criteria (if any)
54            Do
55                If i = Len(item) Then Exit Do
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55         Data(2) = Data(2) & item(i)
56         i = i + 1
57     Loop
58     Output.Add(Data)
59 Next
60     Return Output
61 End Function
62 End Module
63
```