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1 Imports System.IO
2 Imports System.Net
3
4 Public Class Fichier
5
6     'Author : Saadry Dunkel Consultant
7     'Date   : 16/03/2018
8
9     #Region "<0> [Properties]"
10
11     'Target
12 Private _Target As String
13     ''' <summary>
14     ''' Define the entire filepath of the selected file
15     ''' </summary>
16     ''' <returns></returns>
17 Public Property Target() As String
18     Get
19         Return _Target
20     End Get
21     Set(ByVal value As String)
22         _Target = value
23     End Set
24 End Property
25
26 'File Existe
27 Private _Exist As Boolean
28     ''' <summary>
29     ''' Examine if the File exist
30     ''' </summary>
31     ''' <returns></returns>
32 Public Property Exist() As Boolean
33     Get
34         Return _Exist
35     End Get
36     Set(ByVal value As Boolean)
37         _Exist = value
38     End Set
39 End Property
40
41 'File Name
42 Private _FileName As String
43     ''' <summary>
44     ''' Return the File Name without Extension
45     ''' </summary>
46     ''' <returns></returns>
47 Public Property FileName() As String
48     Get
49         Return _FileName
50     End Get
51     Set(ByVal value As String)
52         _FileName = value
53     End Set
54 End Property
55
56 'File Extension (Extension with dot)
57 Private _Extension As String
58     ''' <summary>
59     ''' Set or Return the Extension of the file
60     ''' </summary>
61     ''' <returns></returns>
62 Public Property Extentsion() As String
63     Get
64         Return _Extension
65     End Get
66     Set(ByVal value As String)
67         _Extension = value
68     End Set
69 End Property

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70
71 'File FullName (File Path + File Name + File Extension)
72 Private _FullName As String
73 ''' <summary>
74 ''' Returns the Full Path of the File also used when converting the file
75 ''' </summary>
76 ''' <returns></returns>
77 Public Property FullName() As String
78     Get
79         Return _FullName
80     End Get
81     Set(ByVal value As String)
82         _FullName = value
83     End Set
84 End Property
85
86 'File Date Modify
87 Private _Modify As DateTime
88 ''' <summary>
89 ''' Return the last Modified Date of the file
90 ''' </summary>
91 ''' <returns></returns>
92 Public Property Modify() As DateTime
93     Get
94         Return _Modify
95     End Get
96     Set(ByVal value As DateTime)
97         _Modify = value
98     End Set
99 End Property
100
101 'File Date Created
102 Private _Created As DateTime
103 ''' <summary>
104 ''' Return the date of Creation of the file
105 ''' </summary>
106 ''' <returns></returns>
107 Public Property Created() As DateTime
108     Get
109         Return _Created
110     End Get
111     Set(ByVal value As DateTime)
112         _Created = value
113     End Set
114 End Property
115
116 'File Date Accessed
117 Private _Accessed As DateTime
118 ''' <summary>
119 ''' Return the last accessed date of the file
120 ''' </summary>
121 ''' <returns></returns>
122 Public Property Accessed() As DateTime
123     Get
124         Return _Accessed
125     End Get
126     Set(ByVal value As DateTime)
127         _Accessed = value
128     End Set
129 End Property
130
131 'File Size
132 Private _Size As SizeInfo
133 ''' <summary>
134 ''' Return the converted Size
135 ''' -Display : Returns the visual content for the reader (size + Scale)
136 ''' -Valeur  : Returns the formatted size
137 ''' -Text    : Returns the scale (o, byt, kyt, Gyt, Tyt)
138 ''' -Raw     : Returns the raw size

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139     ''' </summary>
140     ''' <returns></returns>
141     Public Property Size() As SizeInfo
142         Get
143             Return _Size
144         End Get
145         Set(ByVal value As SizeInfo)
146             _Size = value
147         End Set
148     End Property
149
150     'File Directory
151     Private _Path As DirectoryInfo
152     ''' <summary>
153     ''' Returns the Directory location of the File
154     ''' </summary>
155     ''' <returns></returns>
156     Public Property Path() As DirectoryInfo
157         Get
158             Return _Path
159         End Get
160         Set(ByVal value As DirectoryInfo)
161             _Path = value
162         End Set
163     End Property
164
165     'File Parent
166     Private _Parent As DirectoryInfo
167     ''' <summary>
168     ''' Returns the Parent directory file location
169     ''' </summary>
170     ''' <returns></returns>
171     Public Property Parent() As DirectoryInfo
172         Get
173             Return _Parent
174         End Get
175         Set(ByVal value As DirectoryInfo)
176             _Parent = value
177         End Set
178     End Property
179 #End Region
180
181 #Region "<1> [Structure]"
182     Public Structure SizeInfo
183         Public Display As String
184         Public Valeur As Double
185         Public Text As String
186         Public Scale As Size_Scale
187         Public Raw As Double
188     End Structure
189 #End Region
190 #Region "<2> [Enumeration]"
191     Public Enum Size_Scale
192         Bytes
193         Kilobyte
194         Megabyte
195         Gigabyte
196         Terabyte
197     End Enum
198 #End Region
199
200 End Class
201

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