

Attribute: Get and Remove Attribute

Property

Functions

afx_msg long **OSPropertyUI::DeleteMemberAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue)

Delete the member attribute by name.

afx_msg long **OSPropertyUI::GetMemberCountByAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue)

Return the number of member(s) in specified attribute.

afx_msg long **OSPropertyUI::GetMemberListByAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varMemberList)

Get member list by attribute.

afx_msg VARIANT **OSPropertyUI::GetMemberAttributeCount** ()

Get the Count of Member Attribute.

afx_msg VARIANT **OSPropertyUI::GetMemberAttributeList** (VARIANT FAR &attributeNameList, VARIANT FAR &attributeValueList)

Get Member Attribute List.

afx_msg long **OSPropertyUI::DeleteElementAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue)

Delete the element attribute by name.

afx_msg long **OSPropertyUI::GetElementCountByAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue)

Return the number of element(s) in specified attribute.

afx_msg long **OSPropertyUI::GetElementListByAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varElementList)

Get element list by attribute.

afx_msg long **OSPropertyUI::GetAssignedAttributeCount** (long nMembOrPlateNo)

Get the number of attribute with **nMembOrPlateNo** member or plate included.

afx_msg long **OSPropertyUI::GetAssignedAttributeByIndex** (long nIndex, BSTR FAR *varAttributeName, BSTR FAR *varValue)

afx_msg long **OSPropertyUI::RemoveAttribute** (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varMemberList)

Remove the member(s) from specified attribute.

Detailed Description

These functions are related to get or remove attribute.

Loading [MathJax]/extensions/MathZoom.js

Function Documentation

◆ DeleteElementAttribute()

```
long OSPropertyUI::DeleteElementAttribute ( LPCTSTR strAttributeName,  
                                         LPCTSTR strValue )
```

Delete the element attribute by name.

Parameters

[in] **strAttributeName** Name of the attribute.
[in] **strValue** A string value

Return values

0 OK.
-1 General error.

C++ Syntax

```
// Delete element attribute named "EleAttri1".  
long RetVal = OSPropertyUI::DeleteElementAttribute((LPCTSTR)"EleAttri1", (LPCTSTR)"A  
string value");
```

VBA Syntax

```
' Delete element attribute named "EleAttri1".  
Dim RetVal As long = OSPropertyUI.DeleteElementAttribute("EleAttri1", "A string value");
```

See also

[OSPropertyUI::CreateElementAttribute](#)
[OSPropertyUI::AssignElementAttribute](#)

◆ DeleteMemberAttribute()

```
long OSPropertyUI::DeleteMemberAttribute ( LPCTSTR strAttributeName,  
                                         LPCTSTR strValue )
```

Delete the member attribute by name.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

0 OK.

-1 General error.

C++ Syntax

```
// Delete member attribute named "MemAttri1".  
long RetVal = OSPropertyUI::DeleteMemberAttribute((LPCTSTR)"MemAttri1", (LPCTSTR)"A  
string value");
```

VBA Syntax

```
' Delete member attribute named "MemAttri1".  
Dim RetVal As long = OSPropertyUI.DeleteMemberAttribute("MemAttri1", "A string value");
```

See also

[OSPropertyUI::CreateMemberAttribute](#)

[OSPropertyUI::AssignMemberAttribute](#)

- ◆ [GetAssignedAttributeByIndex\(\)](#)

```
long OSPropertyUI::GetAssignedAttributeByIndex ( long          nIndex,
                                                BSTR FAR * varAttributeName,
                                                BSTR FAR * varValue )
```

Parameters

- [in] **nIndex** The attribute index.
- [out] **varAttributeName** Attribute name.
- [out] **varValue** A string value

Return values

- 0** OK.
- 1** General error.

C++ Syntax

```
// Get the name and value of attribute #1
long RetVal = OSPropertyUI::GetAssignedAttributeByIndex(1, &varAttributeName, &varValue);
```

VBA Syntax

```
' Get the name and value of attribute #1
Dim RetVal As long = OSPropertyUI.GetAssignedAttributeByIndex(1, &varAttributeName,
    &varValue);
```

◆ GetAssignedAttributeCount()

```
long OSPropertyUI::GetAssignedAttributeCount ( long nMembOrPlateNo )
```

Get the number of attribute with **nMembOrPlateNo** member or plate included.

Parameters

[in] **nMembOrPlateNo** The number ID of member or plate.

Returns

The number of attribute associated with **nMembOrPlateNo** member (if member with this ID exists) or plate (if member not exist).

C++ Syntax

```
// Get the number of attribute(s) with member or plate #3 included.  
long RetVal = OSPropertyUI::GetAssignedAttributeCount(3);
```

VBA Syntax

```
' Get the number of attribute(s) with member or plate #3 included.  
Dim RetVal As long = OSPropertyUI.GetAssignedAttributeCount();
```

◆ GetElementCountByAttribute()

```
long OSPropertyUI::GetElementCountByAttribute ( LPCTSTR strAttributeName,  
                                              LPCTSTR strValue )
```

Return the number of element(s) in specified attribute.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

<Val> The number of element(s) in specified attribute.

-1 General error.

C++ Syntax

```
// Get the count number.  
long nEleAttri = OSPropertyUI::GetElementCountByAttribute((LPCTSTR)"EleAttri1",  
                                                       LPCTSTR)"A string value");
```

VBA Syntax

```
' Get the count number.  
Dim RetVal As long = OSPropertyUI.DeleteElementAttribute("EleAttri1", "A string value");
```

See also

[OSPropertyUI::GetElementListByAttribute](#)

◆ [GetElementListByAttribute\(\)](#)

```
long OSPropertyUI::GetElementListByAttribute ( LPCTSTR strAttributeName,
                                              LPCTSTR strValue,
                                              const VARIANT FAR & varElementList )
```

Get element list by attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [out] **varElementList** Element(s) number ID VARIANT array.

Return values

- 0** OK.
- 1** General error.

C++ Syntax

```
// Get element(s) list in attribute "EleAttr1".
long RetVal = OSPropertyUI::GetElementListByAttribute((LPCTSTR)"EleAttr1", LPCTSTR)"A
string value", &varElementList);
```

VBA Syntax

```
' Get element(s) list in attribute "EleAttr1".
Dim RetVal As long = OSPropertyUI.GetElementListByAttribute("EleAttr1", "A string
value", &varElementList);
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ [GetMemberAttributeCount\(\)](#)

VARIANT OSPropertyUI::GetMemberAttributeCount()

Get the Count of Member Attribute.

Return values

Member Attribute Count(Type: Long).

C++ Syntax

```
// Get member attribute count  
long RetVal = OSPropertyUI::GetMemberAttributeCount();
```

VBA Syntax

```
Option Explicit  
Sub Main  
    Dim objOpenStaad As Object  
    Dim stdFile As String  
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")  
    objOpenStaad.GetSTAADFile stdFile, "TRUE"  
    If stdFile="" Then  
        MsgBox"Bad"  
        Set objOpenStaad = Nothing  
        Exit Sub  
    End If  
    Dim RetVal As long  
    'Get member attribute count.  
    RetVal =objOpenStaad.Property.GetMemberAttributeCount()  
    Set objOpenStaad = Nothing  
End Sub
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

- ◆ [GetMemberAttributeList\(\)](#)

**VARIANT OSPropertyUI::GetMemberAttributeList (VARIANT FAR & attributeNameList,
VARIANT FAR & attributeValueList)**

Get Member Attribute List.

Parameters

[out] **attributeNameList** attribute Name List(Type: String Array).
 [out] **attributeValueList** attribute Value List(Type: String Array).

Return values

Member Attribute Count(Type: Long).

C++ Syntax

```
// Get member attribute List.
long RetVal = OSPropertyUI::GetMemberAttributeList(&attributeNameList,
&attributeValueList);
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(, "StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFfile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim attributeCount As Integer
    attributeCount = objOpenStaad.Property.GetMemberAttributeCount
    Dim attributeName() As String
    Dim attributeValue() As String
    ReDim attributeName(attributeCount-1) As String
    ReDim attributeValue(attributeCount-1) As String
    Dim ret As Integer
    ret = objOpenStaad.Property.GetMemberAttributeList (attributeName,
attributeValue)
    MsgBox"Macro Ending"
    Set objOpenStaad = Nothing
End Sub
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ [GetMemberCountByAttribute\(\)](#)

Loading [MathJax]/extensions/MathZoom.js

```
long OSPropertyUI::GetMemberCountByAttribute ( LPCTSTR strAttributeName,
                                              LPCTSTR strValue )
```

Return the number of member(s) in specified attribute.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

<Val> The number of member in specified attribute.

-1 General error.

C++ Syntax

```
// Get the count number.
long nMemAttri = OSPropertyUI::GetMemberCountByAttribute((LPCTSTR)"MemAttri1",
                                                       (LPCTSTR)"A string value");
```

VBA Syntax

```
' Get the count number.
Dim nMemAttri As long = OSPropertyUI.GetMemberCountByAttribute("MemAttri1", "A string
value");
```

See also

[OSPropertyUI::GetMemberListByAttribute](#)

◆ [GetMemberListByAttribute\(\)](#)

```
long OSPropertyUI::GetMemberListByAttribute ( LPCTSTR strAttributeName,
                                             LPCTSTR strValue,
                                             const VARIANT FAR & varMemberList )
```

Get member list by attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [out] **varMemberList** Member(s) number ID VARIANT array.

Return values

- 0** OK.
- 1** General error.

C++ Syntax

```
// Get member(s) list in attribute "MemAttr1".
long RetVal = OSPropertyUI::GetMemberListByAttribute((LPCTSTR)"MemAttr1", (LPCTSTR)"A
string value", &varMemberList);
```

VBA Syntax

```
' Get member(s) list in attribute "MemAttr1".
Dim RetVal As long = OSPropertyUI.GetMemberListByAttribute("MemAttr1", "A string value",
&varMemberList);
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ RemoveAttribute()

```
long OSPropertyUI::RemoveAttribute ( LPCTSTR strAttributeName,
                                     LPCTSTR strValue,
                                     const VARIANT FAR & varMemberList )
```

Remove the member(s) from specified attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [in] **varMemberList** Member(s) number ID list VARIANT array.

Return values

- 0** OK.
- 1** General error.

C++ Syntax

```
// Remove \b varMemberList list of member(s) from attribute "EleAttri1".
long RetVal = OSPropertyUI::RemoveAttribute((LPCTSTR)"EleAttri1", (LPCTSTR)"Unknown",
                                             varMemberList);
```

VBA Syntax

```
' Remove \b varMemberList list of member(s) from attribute "EleAttri1".
Dim RetVal As long = OSPropertyUI.RemoveAttribute("EleAttri1", "Unknown", varMemberList);
```

© Copyright Bentley Systems, Inc. For more information, see <http://www.bentley.com>.