## **LocationUI Object Model**

## Esri<sup>®</sup> ArcGIS<sup>®</sup> 10.6

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CreateLocator (in parentWindow:
OLE\_HANDLE, in locatorStyle:
ILocatorStyle, in locWks:
ILocatorWorkspace, in connectionName:
String): ILocator

LocatorProperties (in parentWindow:
OLE\_HANDLE, in locator: ILocator, in title:
String): Boolean

MatchTable (in parentWindow:
OLE\_HANDLE, in tableOftLocations: ITable, in locator: ILocator, pathForGxBrowser:
String): IName esriGeodatabase.ILocatorUI O-GxDatabaseExtension Catalog Extension in Framework ILocatorUI2O ILocator UI2: ILocator UI **Locator in Location** RepairLocator (in parentWindow:
OLE\_HANDLE, in locator: ILocator, in GxAddressLocatorExtension IGxDatabaseExtension Otitle: String): Boolean LocatorExtension ILocator Extension O ILocator Extension : IUnknown **Locator in Location ESRILocatorUI** IAddressUI: IUnknown IAddressUI O-■ Interactive Review (in parentWindow: OLE\_HANDLE, in inputTable: ITable, in query: IQueryFilter, in inputFieldNames: String, in inputJoinFieldName: String, in outputTable: IFeatureClass, in outputTable: IFeatureClass, in esriSystem.ISupportErrorInfo O-IPersist U
IPersistStream O
SupportErrorInfo O

AddLocator (in Locator: ILocator): Long
RemoveAllLocators
RemoveCategory (in category: String)
RemoveLocator (in category: String, in index esriSystem.ISupportErrorInfo O— AddressLocatorUI outputFieldNames: String, in outputJoinFieldName: String, in Locator: ISupportErrorInfo O-GxObjectFilter in ILocator)
Match Table FromSet (in parentWindow:
OLE\_HANDLE, in table Choices: ISet, in
defaultTable: ITable, in bAllowBrowse: Catalog ILocatorExtensionEvents ● ILocator Extension Events: IUnknown AllLocatorsRemoved
 CategoryRemoved (in category: String)
 Current LocatorChanged (in category: String, in index: Long)
 LocatorAdded (in category: String, in Locator: ILocator, in index: Long)
 LocatorRemoved (in category: String, in index: Long) defautt able: IT able, in DAIOWBrowse:
Boolean, in Locator: Llocator,
pathForGxBrowser: String): IName
tematchTable (in parentWindow:
OLE\_HANDLE, in inputTable:
IFeatureClass, in inputFieldNamesList:
String, in inputJoinFieldNames String, in
outputTable: IFeatureClass, in
outputTable: IFeatureClass, in **NewAddressLocatorMenuItem** IcommandOoutputFieldNamesList: String, in outputJoinFieldName: String, in Locator: ISupportErrorInfoO— GxFilterAddressLocators RuntimeOptions (in parentWindow:
OLE\_HANDLE, in Locator: ILocator, in
bCanChangeOutputFields: Boolean, in title:
String): Boolean IGxLocatorFilter O IGxLocatorFilter: IUnknown IGxObjectFilter O-■ ShowCreate: Boolean IAddressUI2 O IAddressUI2 : IAddressUI **FindAddresses** ReadOnlyRuntimeOptions (in parentWindow: OLE\_HANDLE, in Locator: ILocator, in title: String) ILocatorExtensionEvents O-ILocator Extension Events: IUnknown esriArcMapUI.IFinder O-Long) CompositeLocatorUI AddressLocatorUI AddressFindData IAddressFindData O-- IAddressFindData : IUnknown Geometry: IGeometry
Name: String
Values: IPropertySet **GxObject in Catalog** LocatorStyleUI GxObjectFactory in ILocatorStyleUI O ILocatorStyleUI : IUnknown LocatorName in Catalog ■─■ CatalogPathForWorkspace: String
■── LocatorName: ILocatorName
■─■ StyleName: String Location ◆ DoModal (in hParent: OLE HANDLE) **GxLocatorFactory** IGxObjectFactory O-**Class Diagram AbstractClass** An abstract class cannot be used to create new objects but is a specification for **GxLocator** instances of subclasses (through type inheritance.) InterfaceA O Interface of interest esriCatalogUI.IGxLocator O IGxLocator : IUnknown A Co Class can directly create objects by declaring a new object. (Optional)InterfaceB O IGxDatabaseExtensionCompare O— A Class cannot directly create objects, but objects of this class can be created as a property of another class or instantiated by objects from another class. IGxObject O— LocatorName: ILocatorName IGxObjectÉdit O— IGxObjectProperties O— Type inheritance IGxObiectUI O-Associations represent relationships between classes. They have defined IGxPasteTarget O— Type inheritance defines specialized classes of objects which share properties and CoClass methods with the superclass and have additional properties and methods. Note InterfaceD Othat interfaces in superclasses are not duplicated in subclasses. Composition Interface of interest InterfaceB O— Instantiation specifies that one object from one class has a method with which it Class creates an object from another class **Composition** is a relationship in which objects from the 'whole' class control the InterfaceG O-Interface of interest lifetime of objects from the 'part' class. InterfaceM ● An **N-ary association** specifies that more than two classes are associated. A (<classname>)InterfaceO ● diamond is placed at the intersection of the association branches **Locator in Location** A  $\textbf{\textit{Multiplicity}}$  is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on Association 1..\* Multiplicity both sides. This is the notation for multiplicities:  ${\bf 1}$  - One and only one (if noneshown, '1' is implied) (Optional) represents interfaces that are 0..1 - Zero or one O Inbound Interface inherited by some subclasses but not all. M..N - From M to N (positive integers) The subclasses list the optional interfaces  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ enumeration firstValue - firstEnumeration Outbound Interface \* or 0...\* - From zero to any positive integer secondValue - secondEnumeration 1..\* - From one to any positive in teger Interface key (Instance) represents interfaces that are only on specific instances of the class. Property Get

Property Put

Property Get/Put

Property Put by Reference

Structure key

helper class required to support this event

→ Method

<<Struct>>