GlobeCoreUI

Object Model

Esri[®] ArcGIS[®] 10.5

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	GlobeServerFindObject
lFindObjO—	IFindObj : IUnknown
	 ➡ FieldName: String ➡ LayerName: String ➡ Value: String
IFindObjectO	IFindObject : IFindObj
	FID: Long
IRemoteFindObj O	IRemote FindObj: IUnknown
	Selectable: Boolean
	 Flash (in pDisplay: IScreenDisplay) Identify (in pDisplay: IScreenDisplay, in vldentifyDialog: Variant) Select (in pDisplay: IScreenDisplay) SetBookmark (in pDisplay: IScreenDisplay)
	 Unselect (in pDisplay: IScreen Display) ZoomTo (in pDisplay: IScreen Display)
	Unselect (in pDisplay: IScreen Display)
IldentifyObjO—	 Unselect (in pDisplay: IScreenDisplay) ZoomTo (in pDisplay: IScreenDisplay)
IldentifyObjO	 Unselect (in pDisplay: IScreenDisplay) ZoomTo (in pDisplay: IScreenDisplay) Globe ServerIdentify Object
IldentifyObjO—	Unselect (in pDisplay: IScreenDisplay) ComTo (in pDisplay: IScreenDisplay) Globe ServerIdentify Object Ildentify Obj : IUnknown HoWnd: OLE_HANDLE Layer: ILayer
IIdentifyObjO	Unselect (in pDisplay: IScreenDisplay) ZoomTo (in pDisplay: IScreenDisplay) Globe ServerIdentifyObject IldentifyObj: IUnknown hWnd: OLE_HANDLE Layer: ILayer Name: String Canldentify (in pLayer: ILayer): Boolean Flash (in pDisplay: IScreenDisplay)

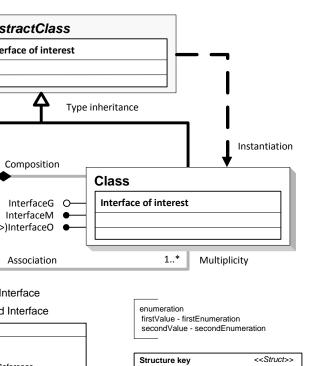
Class Diagram AbstractClass Interface of interest InterfaceA O-Key (Optional)InterfaceB O-CoClass InterfaceD O-Interface of interest InterfaceB O-----(<classname>)InterfaceO •--Association Special Interfaces (Optional) represents interfaces that are inherited by some subclasses but not all. The subclasses list the optional interfaces O— Inbound Interface Outbound Interface they implement. 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 (<classname>) indicates the name of the helper class required to support this event interface in Visual Basic. - Method

IGxObjectFilterO-

GxFilterGlobeDatasets

	-
	 Description: String Name: String
	 CanChooseObject (in object: IGxObject, in result: esriDoubleClickResult): Boolean CanDsplayObject (in object: IGxObject): Boolean CanSaveObject (in Location: IGxObject, in newObjectName: String, in objectAlreadyExists: Boolean): Boolean
IGxSceneFilterO IGxSceneFilter : IUnknown	
	■ Scene: IS cene

IGxGlobeViewO
IGxGlobeViewer (out ppViewer: I3DViewer)
GetGlobeViewer (out ppViewer:
IGlobeViewer)



firstMember: Type _secondMember: Type

Types of Classes An abstract class cannot be used to create new objects but is a specification for instances of subclasses (through type inheritance.) A CoClass can directly create objects by declaring a new object. 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. Types of Relationships Associations represent relationships between classes. They have defined multiplicities at both ends. **Type inheritance** defines specialized classes of objects which share properties and methods with the superclass and have additional properties and methods. Note that interfaces in superclasses are not duplicated in subclasses. Instantiation specifies that one object from one class has a method with which it creates an object from another class. Composition is a relationship in which objects from the 'whole' class control the lifetime of objects from the 'part' class. An **N-ary association** specifies that more than two classes are associated. A diamond is placed at the intersection of the association branches. A Multiplicity is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on both sides. This is the notation for multiplicities: 1 - One and only one (if none shown, '1' is implied) 0..1 - Zero or one M...N - From M to N (positive integers) * or 0..* - From zero to any positive integer 1..* - From one to any positive integer