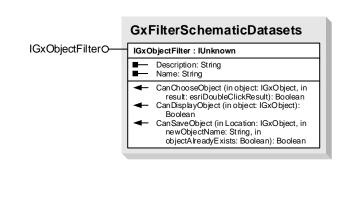
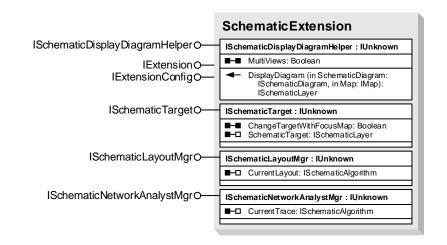
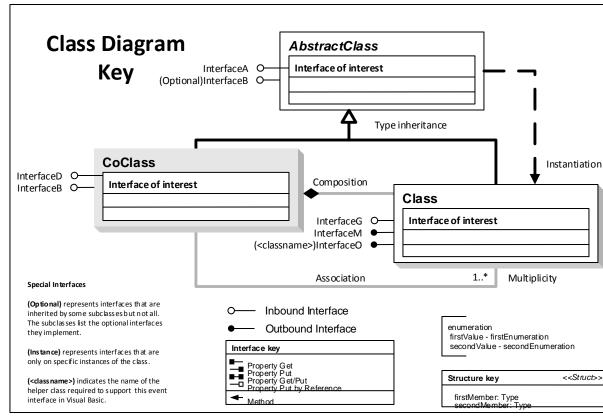
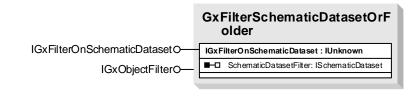
SchematicUI Object Model

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Types of Classes

An $\ensuremath{\text{abstract class}}$ cannot be used to create new objects but is a specification for instances of subclasses (through type inheritance.) A $\operatorname{\textbf{CoClass}}$ 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 Relations hips 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 superclass sea are not duplicated in sub classes. 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 as sociation specifies that more than two classes are associated. A diamond is placed at the intersection of the as sociation 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 no ne shown, '1' is implied) 0..1 - Zero or o ne M...N - From M to N (positive integers) * or 0..* - From zero to any positive integer From one to any positive integer

IGxObjectFilterO— IGxFilterOnSchematicDatasetO— GxFilterSchematicDiagrams