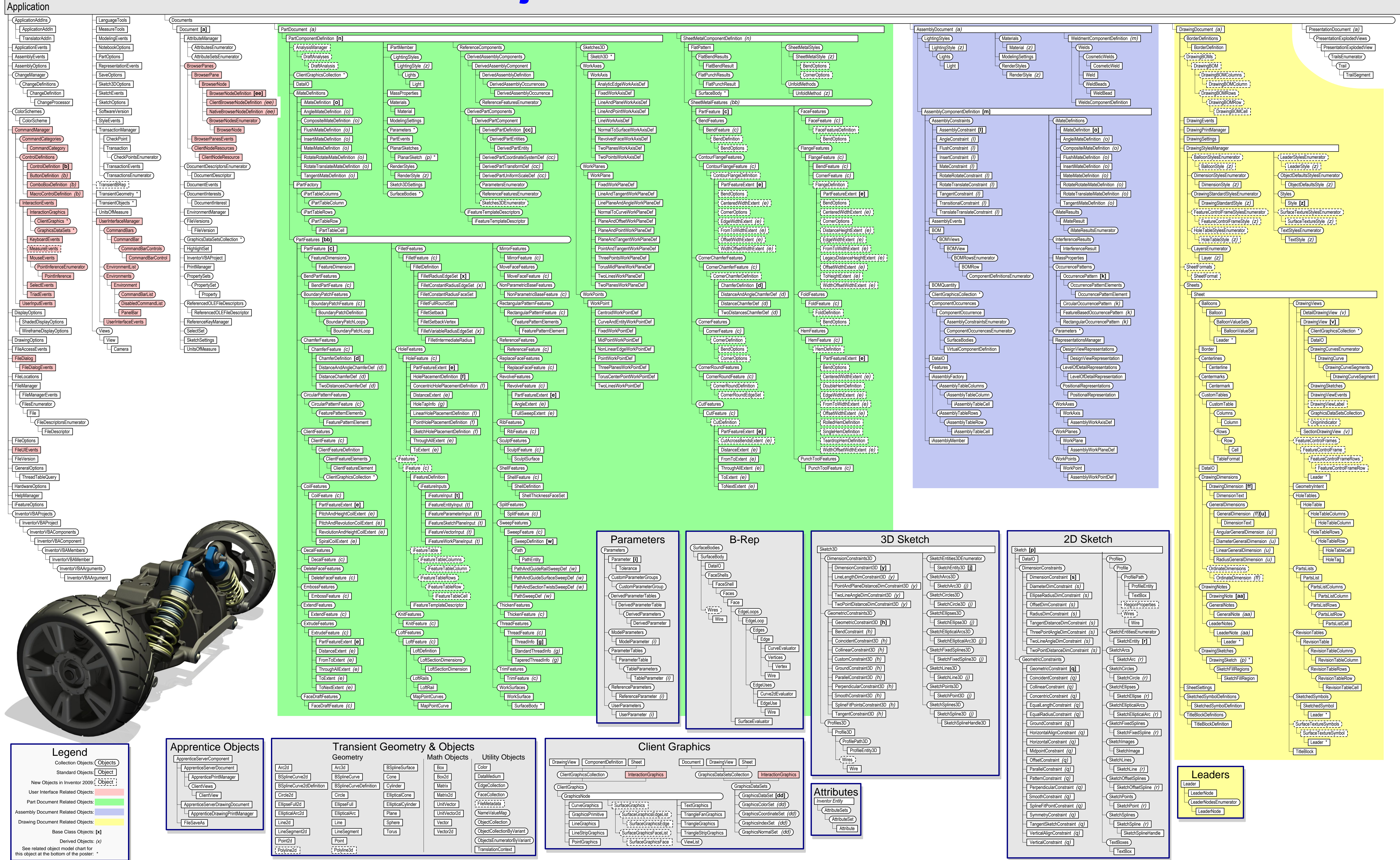


# Autodesk® Inventor® 2009 API Object Model



### Legend

- Collection Objects: **Objects**
- Standard Objects: **Object**
- New Objects in Inventor 2009: **Object**
- User Interface Related Objects: **Object**
- Part Document Related Objects: **Object**
- Assembly Document Related Objects: **Object**
- Drawing Document Related Objects: **Object**
- Base Class Objects: **x**
- Derived Objects: **(x)**

See related object model chart for this object at the bottom of the poster.

### Apprentice Objects

- ApprenticeServerComponent
- ApprenticeServerDocument
- ApprenticePrintManager
- ClientViews
- ApprenticeServerDrawingDocument
- ApprenticeDrawingPrintManager
- FileSavesAs

### Transient Geometry & Objects

Geometry	Math Objects	Utility Objects
Arc2d	Box	Color
BSplineCurve2d	Box2d	DataMedium
BSplineCurve2dDefinition	Cylinder	EdgeCollection
Circle2d	Matrix	FaceCollection
Circle	Matrix2d	FileMetadata
EllipseFull2d	UnitVector	NameValueCollection
EllipticalArc2d	UnitVector2d	ObjectCollection
EllipticalArc	UnitVector2d	ObjectCollectionByVariant
Line2d	Sphere	ObjectEnumeratorByVariant
LineSegment2d	Torus	TranslationContext
LineSegment		
Point2d		
Polyline2d		
Polyline3d		

### Client Graphics

- DrawingView
- ComponentDefinition
- Sheet
- Document
- DrawingView
- Sheet
- ClientGraphicsCollection
- InteractionGraphics
- GraphicsDataSetsCollection
- InteractionGraphics
- ClientGraphics
- GraphicsNode
- GraphicsDataSets
- GraphicsColorSet (dd)
- GraphicsCoordinateSet (dd)
- GraphicsIndexSet (dd)
- GraphicsNormalSet (dd)
- CurveGraphics
- SurfaceGraphics
- TextGraphics
- TriangleFanGraphics
- TriangleGraphics
- TriangleStripGraphics
- GraphicsPrimitive
- SurfaceGraphicsEdgeList
- SurfaceGraphicsEdgeList
- SurfaceGraphicsFaceList
- SurfaceGraphicsFaceList
- LineGraphics
- Vector
- ViewList
- PointGraphics
- SurfaceGraphicsFace
- SurfaceGraphicsFace

### Attributes

- Inventor Entity
- AttributeSets
- AttributeSet
- Attribute

### Leaders

- Leader
- LeaderNode
- LeaderNodesEnumerator
- LeaderNode