

Graphics Editor Software Package

Data Dictionary

- **User:**
 - User = {User Type}
 - User Type = [Novice, Intermediate, Professional]
- **Shape:**
 - Shape = {Shape Type} + {Dimensions} + {Position} + {Fill Color} + {Line Color} + {Line Width} + {Line Style}
 - Shape Type = [Line, Polygon, Ellipse]
 - Dimensions = {Height} + {Width} + (Radius)
 - Position = {X} + {Y}
 - Fill Color = {Hex Code}
 - Line Color = {Hex Code}
 - Line Width = {Integer}
 - Line Style = [Solid, Dashed, Dotted]
- **Text:**
 - Text = {Text Contents} + {Font Type} + {Font Size} + {Text Color} + (Text Effects)
 - Text Effects = {Bold} + {Italic}
- **Clipboard:**
 - Clipboard = {Clipboard Slot}
 - Clipboard Slot = {Object} * 10
- **File Management:**
 - File = {File Name} + {File Path} + (Graphics Data)
 - Graphics Data = {Binary Data}
- **Import:**
 - Import = {Bitmap Image File} + {Import Settings}
 - Import Settings = {Scale} + (Position)
- **View Controls:**
 - View = (Zoom Level) + (Panning Coordinates)
 - Zoom Level = {Float}
 - Panning Coordinates = {X} + {Y}
- **Grouping:**
 - Grouping = {Group ID} + {Action}
 - Action = [Group, Ungroup]