

(7) SRS - graphics editor system

The graphics editor provides an application programmer's interface that enables a programmer to develop their own graphical model editor for a specific type of model.

This API in turn, relies on extending the Eclipse graphical editing framework to provide an environment in which the editor function and the programmer can create a graphical editor and palette of shapes to modify an underlying model.

It should support following functionalities

- 1) It contains the toolbox which contains tools like: line, circle, rectangle, arc, text, ellipse, curve.
- 2) Color box or palette
- 3) Standard toolbar options for new, open, save, toolbox and text toolbox
- 4) One integrated view to users for toolbar, color box, menu and graphic screen.
- 5) Easy handling of tools for users.
- 6) Ability to group several drawings into one i.e. complex drawing.
- 7) Provision of zoom in and zoom out
- 8) Different shadings of line tool are provided.

