7. GRAPHICS EDITOR

7.1 Problem Statement

The graphness editor provides an Application Programmer's Interface that enables a fregrammes to develop their own graphical model editor for a specific type of model. This API in turn, relies on extending the Exlipse Graphical Editing Franchisch to provide an environment in which the editor functions and the programmes can create a graphical editor and palette of shopes in order to modify an undulying model, the graphical editor provides an interface with which the programmer implements said editor for a given underlying model. Such instance of the graphical editor allows a user to drag objects from a specified model into a working graphical diggon

1.2 Software Requirement Specification.

• The graphical editor consists of a graphical document editor which can be used to create new document, delete document, update or view the document.

· The graphical document editor consists of many documents, where each document can be saved, opened, printed or create a new one. · A document is made up of many sheets which can have graphics

· Sheets have multiple munker of drawing objects, which can be created,

· The programmer must provide implementations of functions that add dean objects and their connections, as well as functions that add and remore connections. The latter function will be handled by a

• The user can also add and remove connections between these objects as needed using the palette supplied, thus modifying

· Each sheet contains drawing objects, including text, geometrical objects and groups. A group as simply a set of drawing objects · A geometrical object includes circles, ellipse, rectangles, lines and

squares, trapeziums which are identified by their respective constraints