# Object-Oriented Technology and UML

## The use of UML tools

# Objectives

- Based on the demo, become familiar with the use of UML tools (Rational Rose) and its modeling environment
- Learn the use of other popular UML tools

# Topics

- Basic use of Rational Rose

- Modeling environment of Rational Rose

- <span style="color:red">Try to draw the various modeling elements in Rational Rose</span>
  - <span style="color:red">Include: class, use case, actor ......</span>
  - <span style="color:red">Modeling the relationship between the elements</span>

- Installation of other UML tools

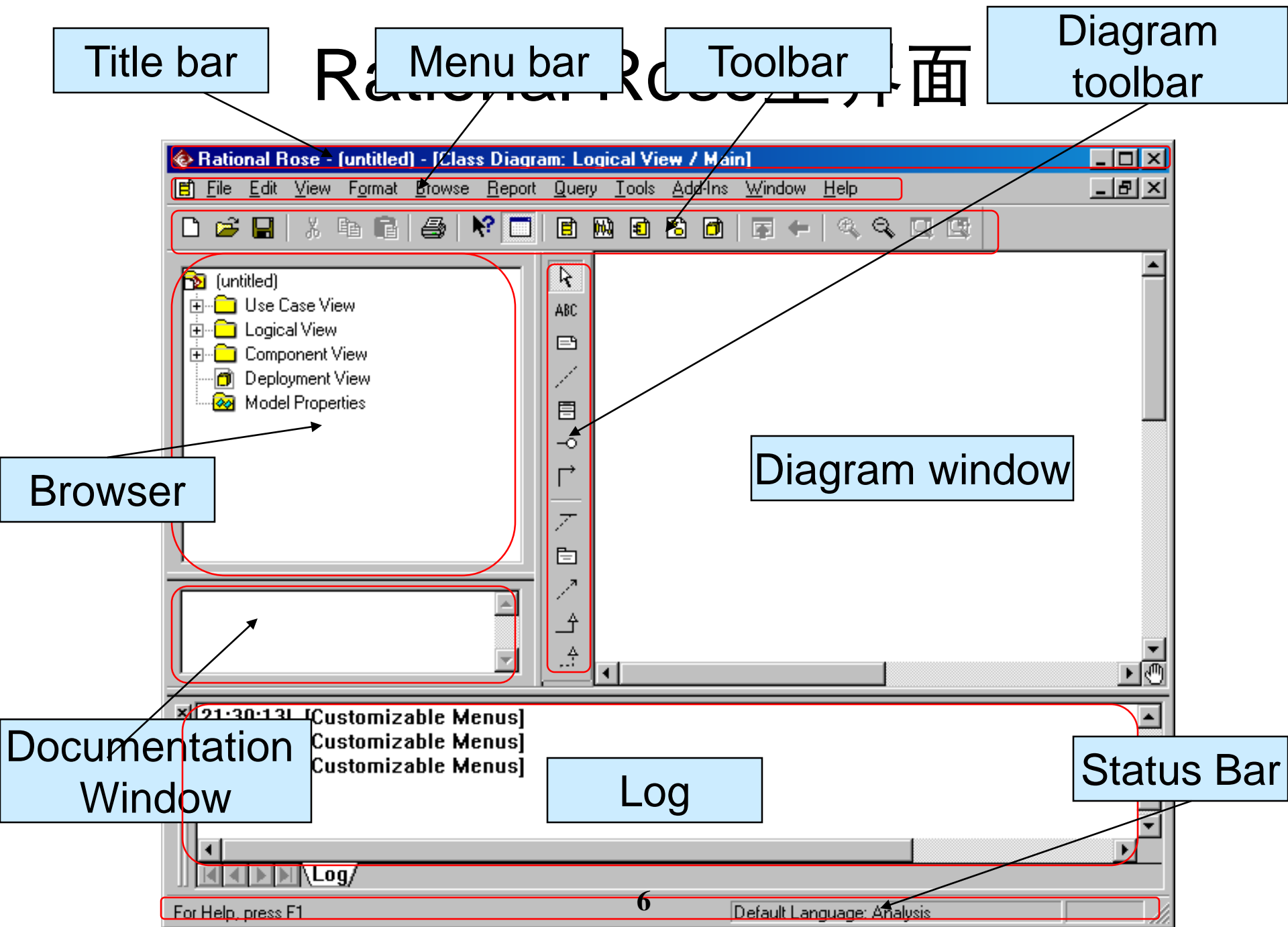- Draw a variety of modeling elements in other UML tools

# UML Tools

http://www.umlchina.com/Tools/Newindex1.htm

# Some well-known UML tools

- Rational Rose
- Enterprise Architect
- JUDE
- StarUML
- Visual Paradigm for UML
- ……

Rational Rose工界面

Menu bar

Toolbar

Diagram toolbar

**Rational Rose - (untitled) - [Class Diagram: Logical View / Main]**

File  Edit  View  Format  Browse  Report  Query  Tools  Add-Ins  Window  Help

(untitled)
  Use Case View
  Logical View
  Component View
  Deployment View
  Model Properties

Browser

Diagram window

ABC

Documentation Window

[21:30:13] [Customizable Menus]
[Customizable Menus]
[Customizable Menus]

Log

Status Bar

Log

6

For Help, press F1

Default Language: Analysis

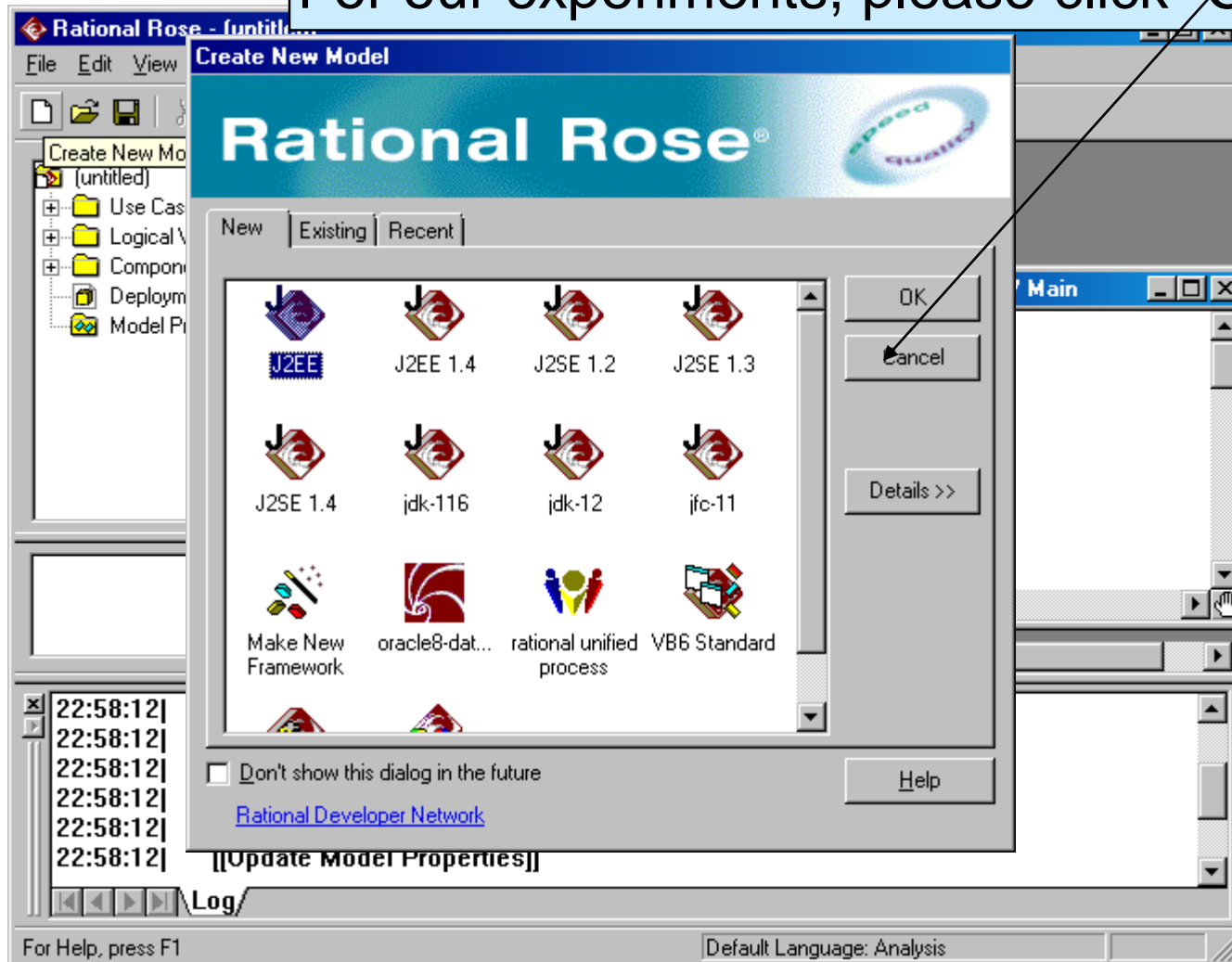# Basic operation of Rational Rose modeling

- Create a model

- Save the model

- Global options setting

- ……

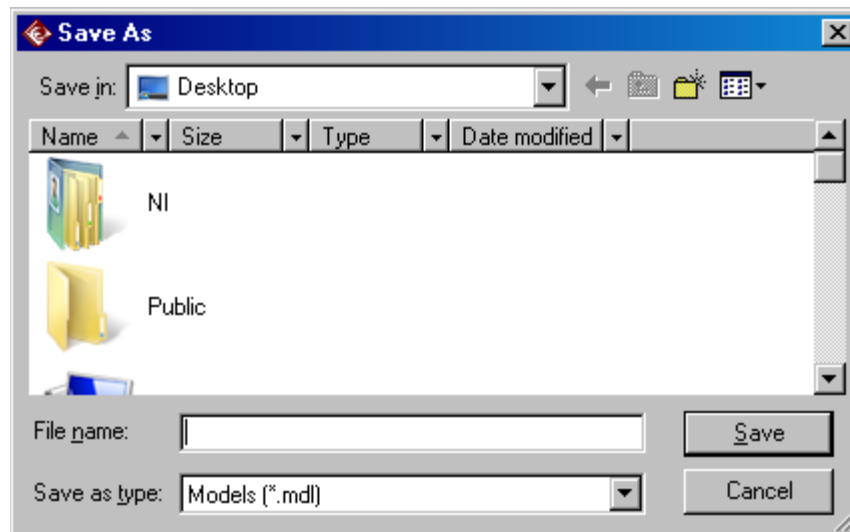# Create a model

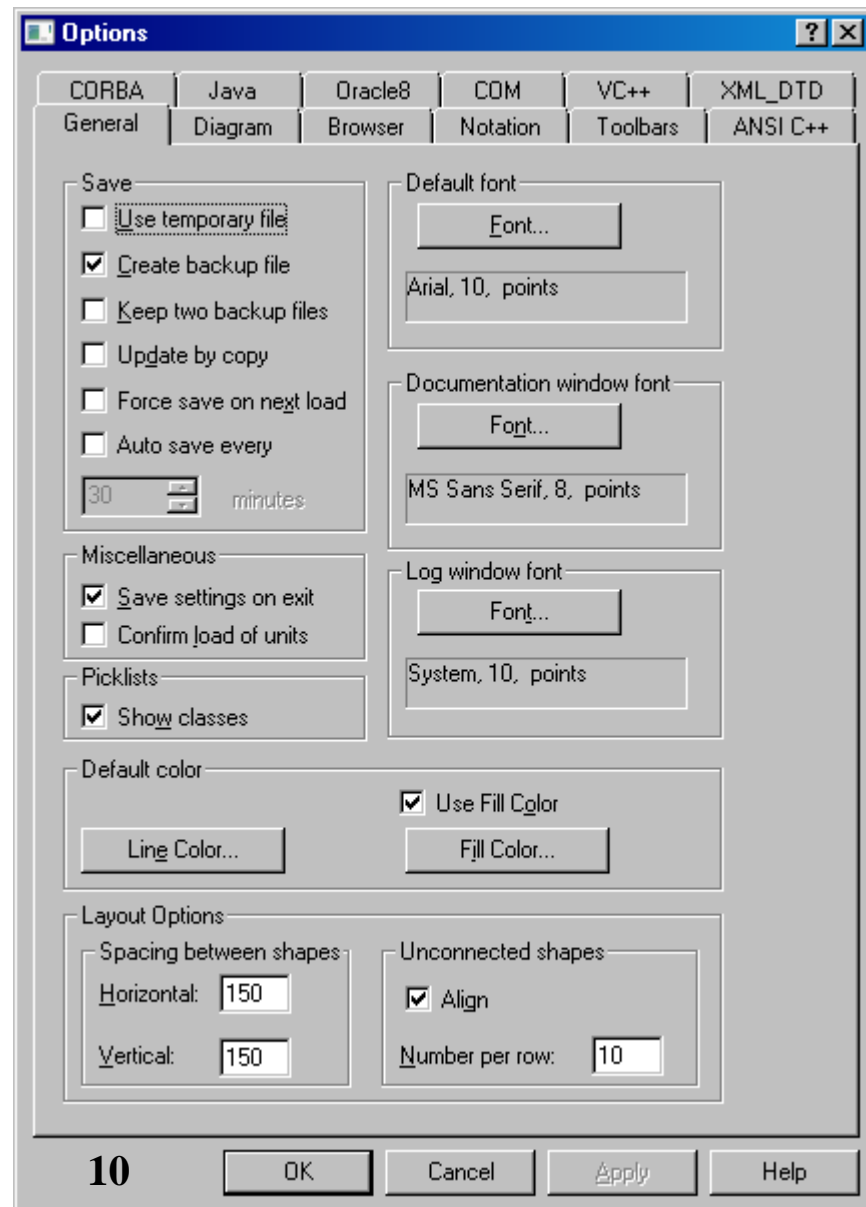For our experiments, please click "Cancel"

# Save the model

●Mdl file

➢This file contains all of the model diagram, objects, and other model elements

# Global options setting

- Tools→Options
- Setting of fonts
- Setting of color

# Skilled use of tools requires exploration in practice

- Rome Wasn't Built in a Day

# Please complete the following work

- 1.Based on Rational Rose, create a model file

- 2.In the model file, try to create a variety of UML diagrams supported in Rational Rose

- 3.In the UML digrams, try to create modeling elements in the tools

# Please consider the following questions

- 1.Which views are offered by Rational Rose?

- 2.Which UML diagrams are supported by Rational Rose?

- 3.In a specific view, which UML diagrams can be modelled

- 4.How about other tools, such as Visual Paradigm for UML, StarUML……

# Please send me the work

- Please complete the attached quiz of word document, and send me the work via email seuuml@qq.com
- Requirements for report and email
  - Email: seuuml@qq.com
  - Email title:"Student ID Name UML EX1 UML Tools"
- Attachment (Please do not compress)
  - Report name:"Student ID Name UML EX1 UML Tools"
- Please be sure to send the report according to the specified rules, otherwise, we will not receive your report