**Object-Oriented Technology and UML**

**The use of UML tools**

1. Which views are offered by Rational Rose? What are they?

Use case view

Logical view

Component view

Deployment view

1. In a specific view of Rational Rose, which UML diagrams can be modeled?

In Use case view , Use case diagram , Class diagram , Collarboration diagram , Sequence diagram , Statechart diagram and Activity diagram can be modeled.

In Logical view , Use case diagram , Class diagram , Collarboration diagram , Sequence diagram , Statechart diagram and Activity diagram can be modeled.

In Component view , Component diagram can be modeled.

In Deployment view , no diagram can be modeled.

1. After creating the modeling elements in UML diagrams, how to remove it from the model?

Choose selection tool , then click the modeling elements use the right of the mouse and select edit then choose delete. In this way , you can remove it from the model.

1. Comparison of UML tools. The required UML tools is Rational Rose, optional UML tools include Visual Paradigm for UML, StarUML or other tools. You may choose UML tools from <http://www.umlchina.com/Tools/Newindex1.htm>. Please complete the form below, and fill out the form with the “√”(support) or “×”(not support).

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| **UML Diagram** | **Rational Rose** |  |  |
| Class Diagram | √ |  |  |
| Component Diagram | √ |  |  |
| Object Diagram | √ |  |  |
| Deployment Diagram | √ |  |  |
| Composite Structure Diagram | x |  |  |
| Package Diagram | x |  |  |
| Profile Diagram | x |  |  |
| Activity Diagram | √ |  |  |
| Use Case Diagram | √ |  |  |
| State Machine Diagram | x |  |  |
| Communication Diagram | x |  |  |
| Sequence Diagram | √ |  |  |
| Timing Diagram | x |  |  |
| Interaction Overview Diagram | x |  |  |