

# Homework

## UML & Rational Rose, Part A

30 points

**Print your diagram and give it to the TA by 2 PM on Monday, 7 October 2002.**

- 1) **For project members:** your team must create the following diagrams using Rational Rose for your Operational Concept Description (OCD).
  - a. Result Chain (OCD 2.1.2)
  - b. System Boundary and Environment (OCD 2.3)
  - c. Current Organization Activity Model (OCD 3.3)
  - d. Description of Current System (OCD 3.4) & Description of Proposed System (OCD 4.5)
  - e. Current Entity Model (OCD 3.5)

Assign one of the above items to each member of your team. Each team member should create the assigned diagram(s). If you are assigned item (c), you only need to create one activity diagram. If your team has 6 members, assign 2 members to create different activity diagrams for item (c).

Review the example used in the Rational Rose lecture for guidance.

Some of the diagrams look similar to other diagrams, so place a note on the diagram with the name of the diagram and the section of the OCD in which it belongs. If the TA cannot tell what the purpose of the diagram is, you will get no credit.

When you have completed the diagram assigned to you send your Rose Model via E-Mail to your IV&V person. If you do it early, you may get valuable feedback before you have to turn in your diagram to the TA. (See the IV&V Rose Homework description.)

Print the final version of your diagram and give it to the TA by the deadline shown above.

You will be graded on correct use of UML and Rose, as well as project details, e.g. missing stakeholders in the System Boundary and Environment diagrams.

- 2) **For IV&V students:** create your own versions of a Result Chain, System Boundary and Environment, Current Organization Activity Model, Description of Current System, and Current Entity Model based on the knowledge you have of the project you are doing IV&V for.

Print your diagrams and give it to the TA by the deadline shown above. (Please complete your diagrams before reviewing any team diagrams.)

You will be graded on correct use of UML and Rose; not on project details. (We realize that you don't have as much information about the project as the project development team. This exercise should help you understand some of the issues related to the use of UML and Rose, and should start you thinking about project issues. It should also prepare you for part B of this assignment, which is IV&V only.)