

Assignments for Lecture 8

Deliverables

1. Construct class diagrams for your increment/phase 1 project, showing object and class visibility relationships.

2. Study Questions

Consider the sample design for the Dating System, and the collaboration diagrams handed out for the lecture on this material. There were two diagrams, one had three collaboration diagrams and one had a diagram for :GUIFrame.

- i) Identify the occurrences of object visibility in the diagrams
- ii) For each occurrence, describe how the object in question comes/came into existence
- iii) For each example of object visibility describe how the required class visibility was satisfied

3. Questionnaire

By simulating the behavior of the system with UML models (sequence and collaboration) we are able to identify necessary class relationships (i.e. visibility relationships). The simulations result in the identification of actions to be carried out (i.e. reference certain variables at certain places in the methods). This is a general tool that could also be used, for example, for planning a trip. Suppose that you are planning a trip somewhere over the holiday season. Simulate the actions you will be carrying out, and for each the properties and relationships that will have to hold for those actions to be valid. Limit yourself to a simple trip simulation of 7 -10 steps.