
Object Oriented Analysis and Design Using the UML

Use Case Analysis

Modified considerably by your Instructor

Objectives: Use-Case Analysis

- ◆ **Understand** the purpose of Use-Case Analysis and where in the lifecycle it is performed
- ◆ **Identify** the classes needed to accommodate a use-case flow of events (Analysis Classes)
- ◆ **Distribute** the use-case behavior to those classes, identifying responsibilities of the classes
- ◆ The analysis classes and the initial use-case realizations are the key model elements that we develop in this activity.

Use Case Analysis

- The focus during Use-Case Analysis is on a **particular use case**.
- In Use-Case Analysis, we identify the analysis classes and define their responsibilities.
 - (At this time, we speak of '**responsibilities**.' (May even use the term, '**services**.') Later, these might become 'methods' or 'member functions.' But that is a matter for implementation NOT initial design.)
- The allocation of responsibility is modeled in use-case realizations that describe how analysis classes collaborate to perform (realize) use cases.