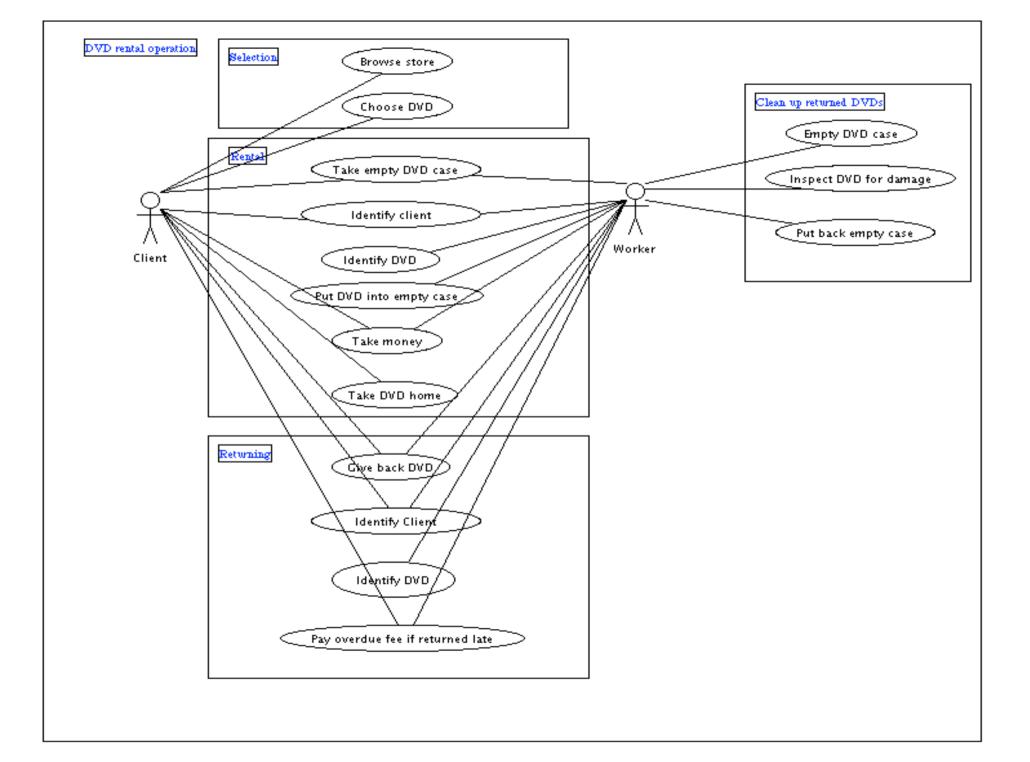
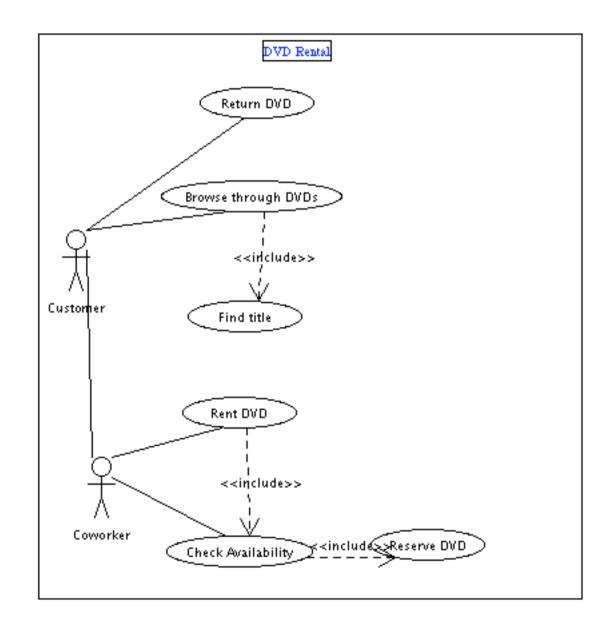
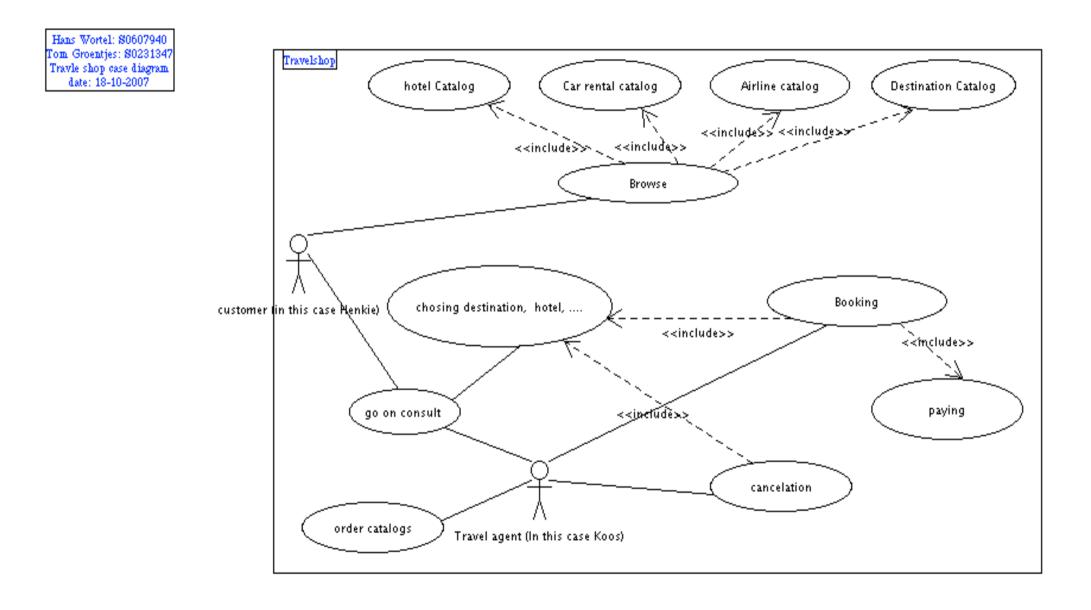
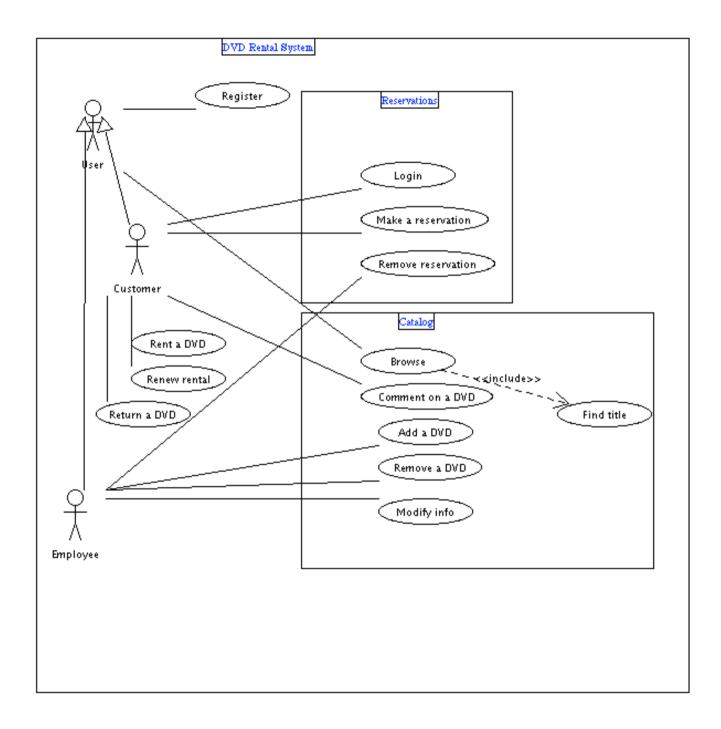
Afternoon Sessions

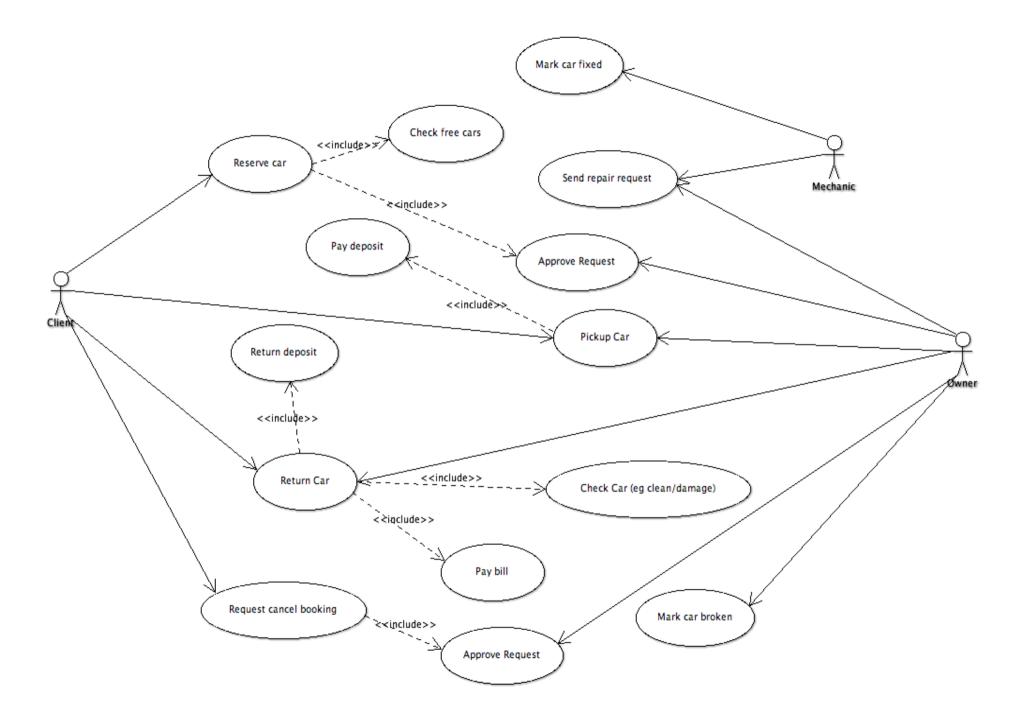
Session 1 (Oct 18) : Modeling Use Case Diagram
Session 2 (Oct 25) : Documenting Use Cases & Creating Activity Diagrams
Session 3 (Nov 1) : Modeling Classes
Session 4 (Nov 8) : Modeling Sequence Diagrams: Use case realization
Session 5 (Nov 15) : Case study (tentative)
Session x (Nov 22) : Tentative
Session 6 (Nov 29) : Evaluation (tentative)





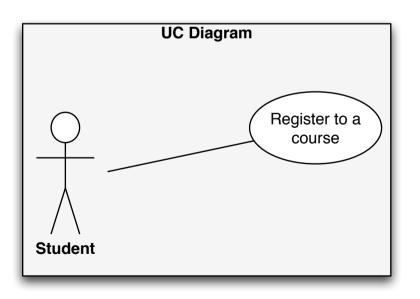






Activity Diagram

"Activity diagram is used to model the logic of a business process, use case, or methods"



Basic sequence of actions:

1. A student wants to register to a course

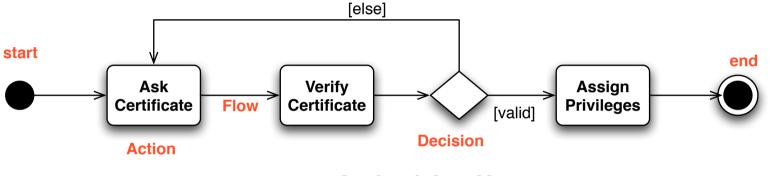
2. The student provides his name & student number to the registrar

3. The registrar verifies the student's eligibility

4. The student chooses a course from a list of available courses

- 5.
- 6.
- 7.

Creating an Activity Diagram



Authorizing Users

- 1. Identify the scope of the activity diagram (e.g., a use case)
- 2. Add start and end points
- 3. Add activities
- 4. Add transactions from the activities
- 5. Add decision points (if any)
- 6. Identify opportunities for parallel activities

Documenting a Use Case

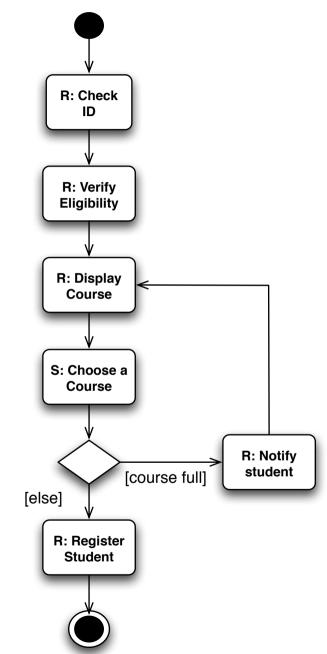
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Basic course of action:

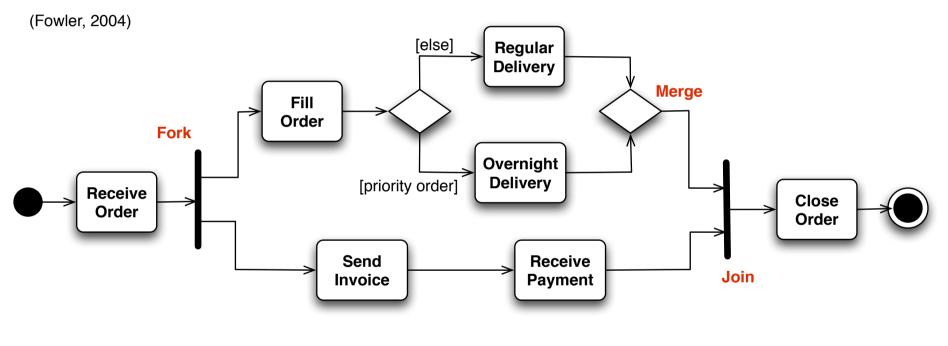
- 1. A student wants to register to a course
- 2. The registrar check student's ID
- 3. The registrar verifies the student's eligibility
- 4. The registrar shows a list of available courses for the student
- 5. The student chooses a course
- 6. The registrar register the student and give a confirmation
- 7. The use case ends

Alternate course A: The course is already full

- A.1. Notify user that the course is already full
- A.2. The use case continues at step 4 of the basic course action



Another Example



Processing an Order

Practical Assignment

1. Choose three use cases that are most important. Make a use case descriptions for use case.

2. Make an activity diagram for each of the use case descriptions.

- * In groups of two students
- * Create and save your models in ArgoUML
- * Send your models to anugroho@liacs.nl