



# Practical 4

Class Modelling  
Behaviour Modelling

# Some Advice (1)

- ◆ Write a paragraph describing a class diagram
  - Use ALL the information in the diagram
  - Make clear the difference between generalisation, aggregation and composition
    - Remember the semantic test for identifying them!
- ◆ Arrange classes into a diagram
  - The semantic test is crucial in discriminating between aggregation/composition and generalisation
  - Don't forget reasonable multiplicities

# Some Advice (2)

- ◆ Valid object diagrams
  - What are the implications of generalisation?
  - What are the implication of a composition?
  - What do multiplicities mean?
  - Don't forget that you need to justify your answer
    - In exam papers the justification is what really matters!
- ◆ Class Responsibility Collaborators (CRC) Cards
  - Responsibility something you know or you can do
  - Collaborator any class need to get information from or delegate part of your responsibility
- ◆ Collaboration diagrams are interaction diagrams!
  - The diagram needs to be consistent with the CRC Cards

Some

Remember the activity diagram swimlanes!

