

IntellAgile

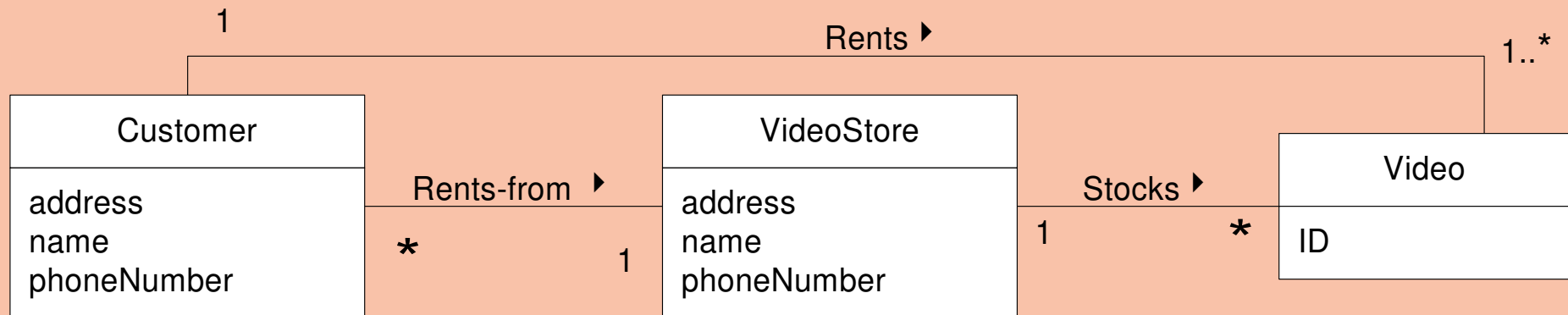
Visualizing Concepts with a Domain Model

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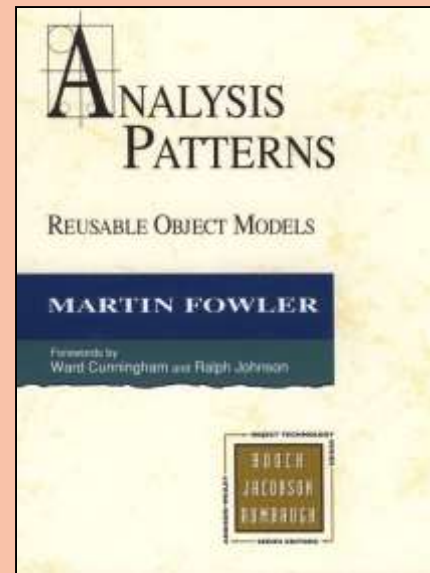
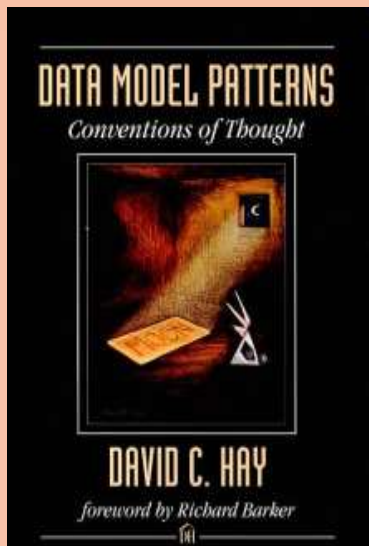
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- A Domain Model visualizes noteworthy concepts or objects in the domain.
- You will be able to:
 - Read and write the UML class diagram notation for a Domain Model
 - Create a Domain Model
 - Apply guidelines
 - Relate it to other artifacts

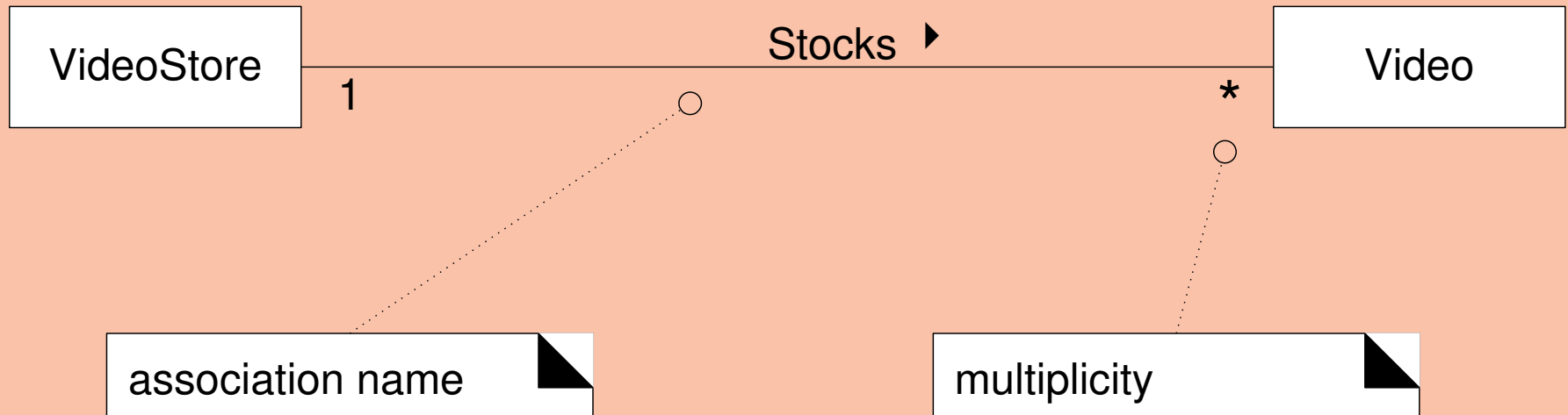
- A *Domain Model* visualizes, using UML class diagram notation, noteworthy concepts or objects.
 - It is a kind of “visual dictionary.”
 - *Not* a picture of software classes.
- It helps us identify, relate and visualize important information.
- It provides inspiration for later creation of software design classes, to reduce “representational gap.”

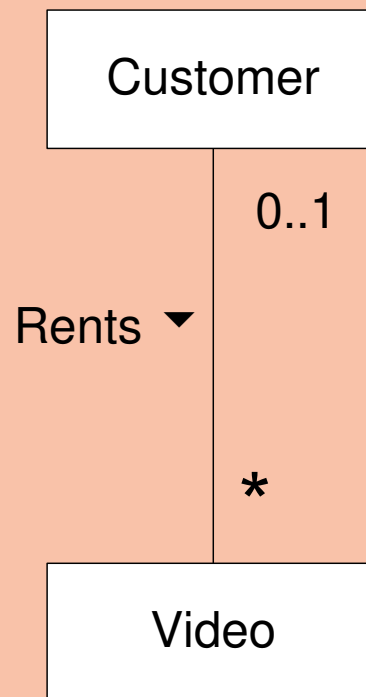
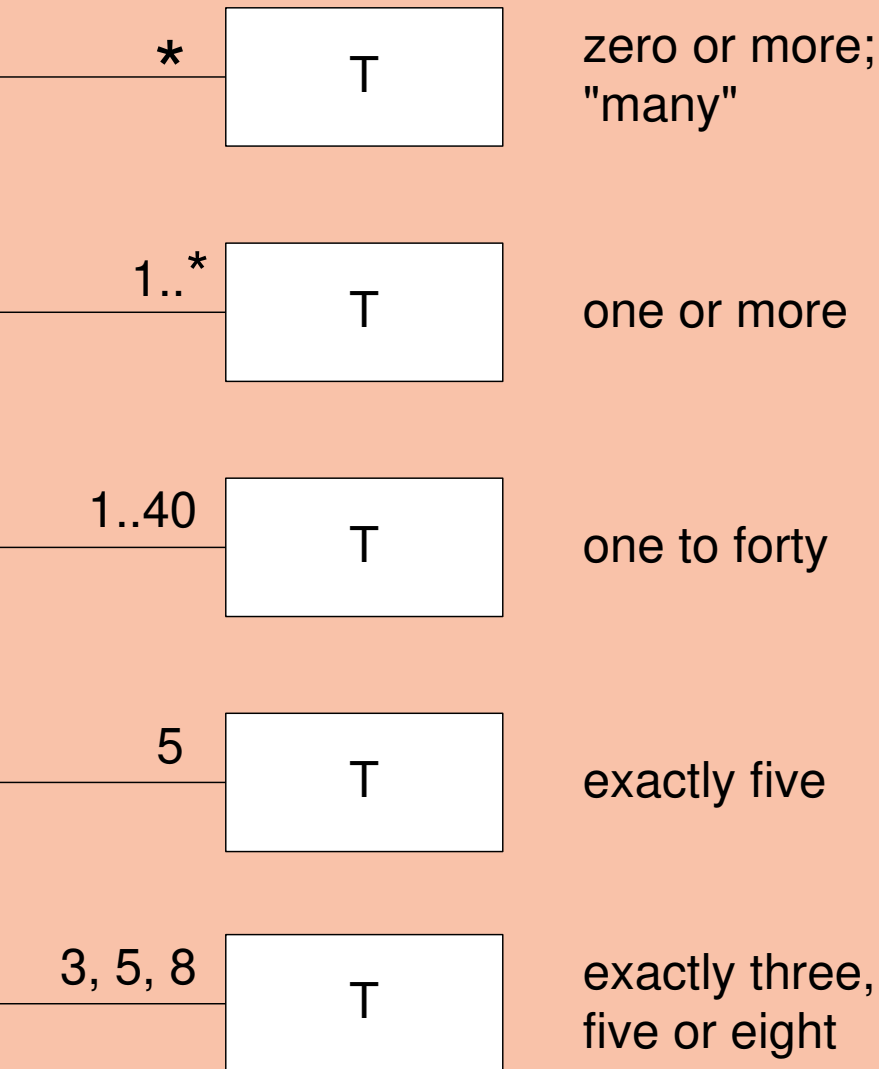


- Candidate lists (see text, p. 134)
- “Abbott” Analysis; AKA Linguistic Analysis
 - Most simply, “pick out the nouns”
- Existing analysis patterns:



- "direction reading arrow"
- it has **no** meaning except to indicate direction of reading the association label
- optional

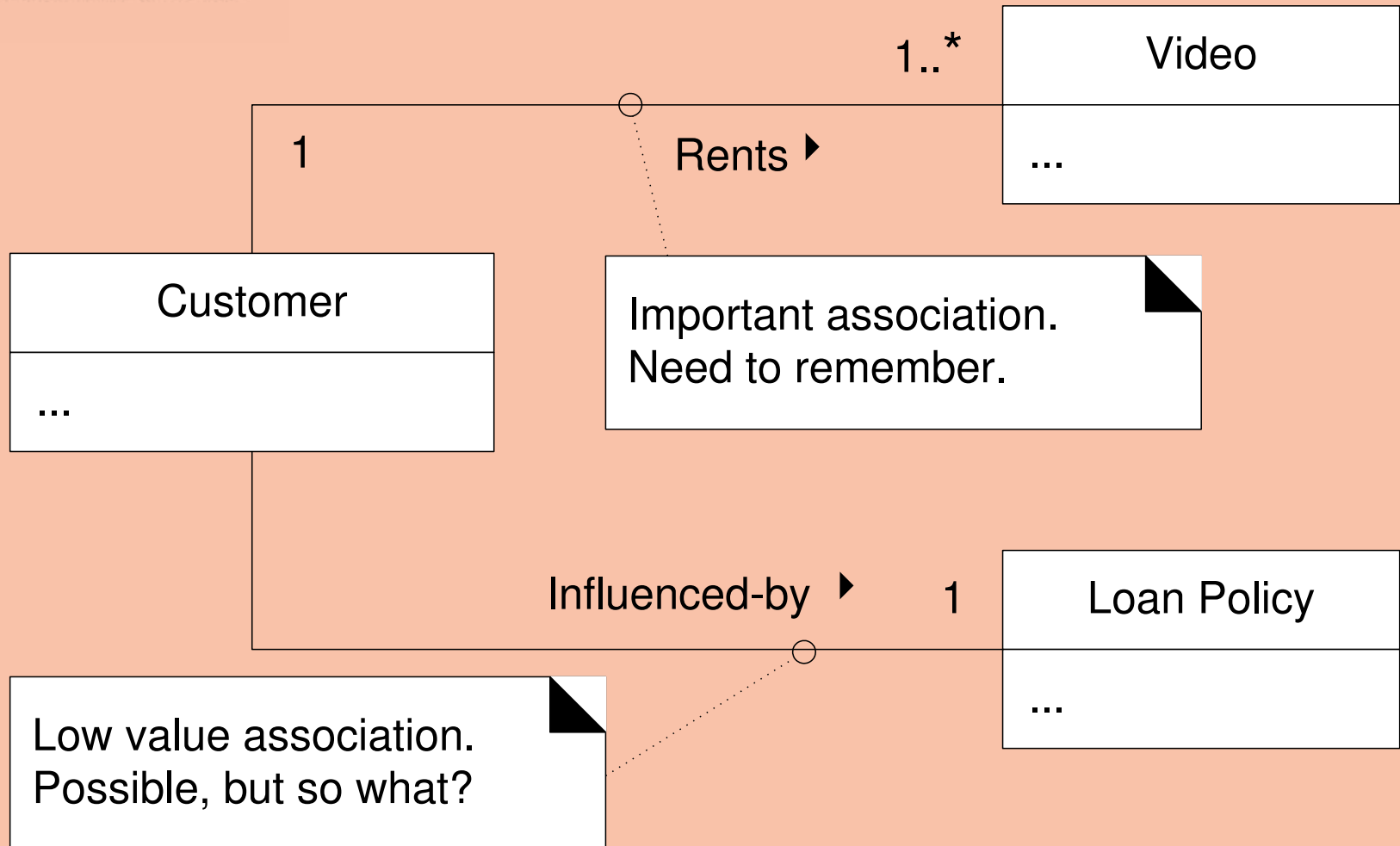




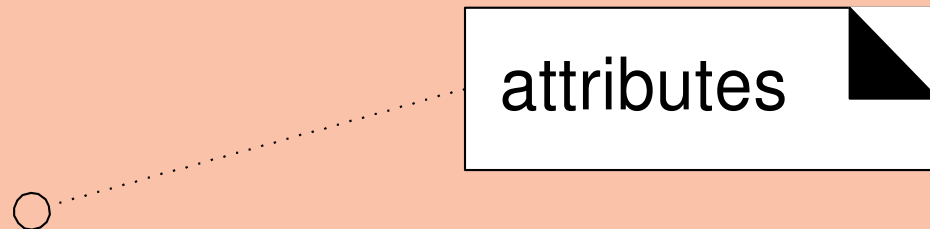
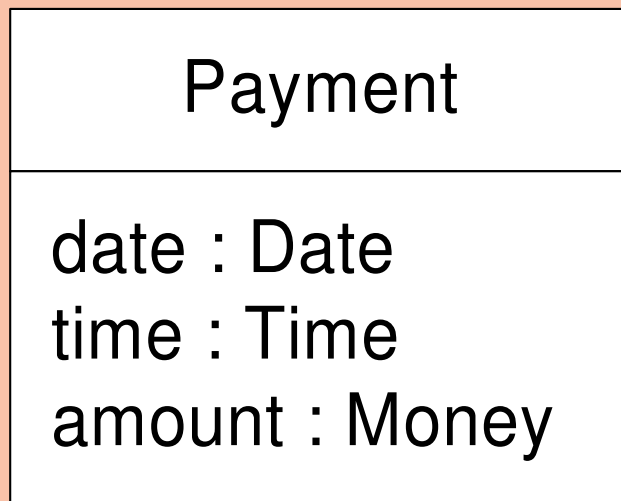
One instance of a Customer may be renting zero or more Videos.

One instance of a Video may be being rented by zero or one Customers.

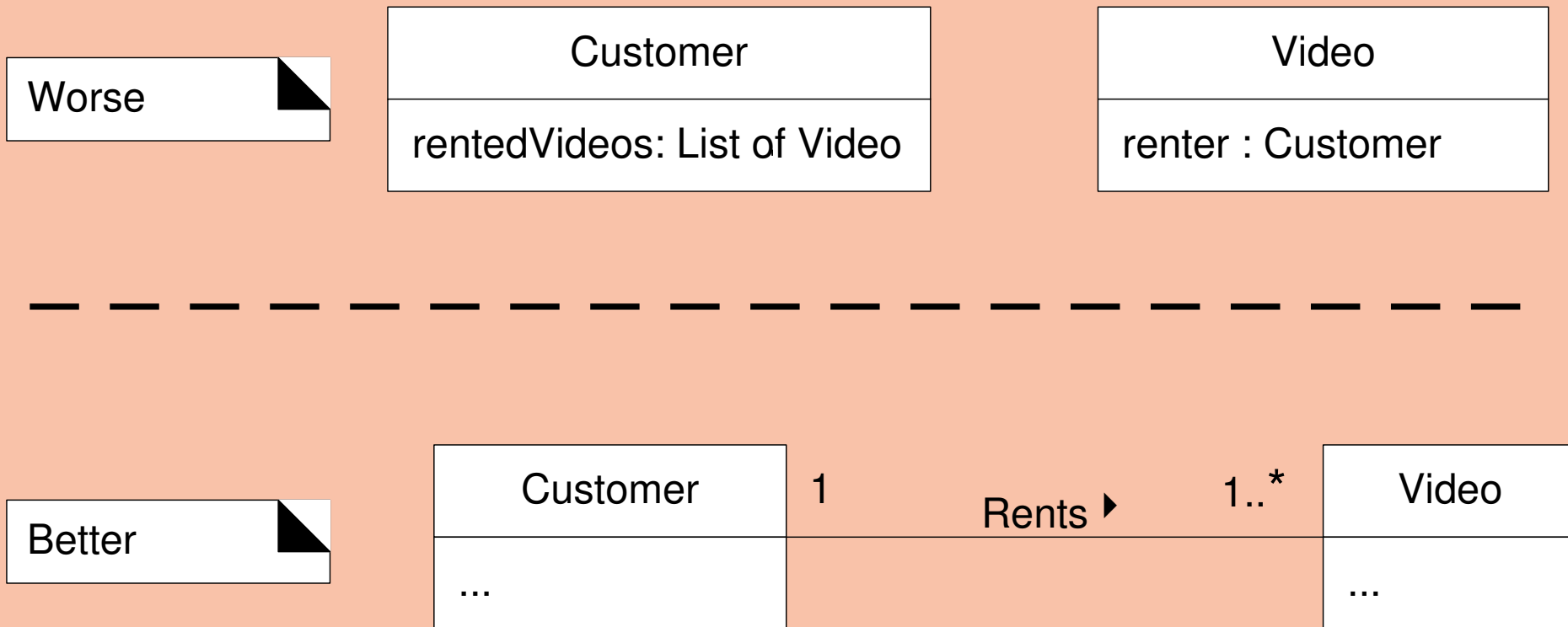
- Only add associations for *noteworthy* relationships. Literally, those for which making a “note” is worthy or business motivated.

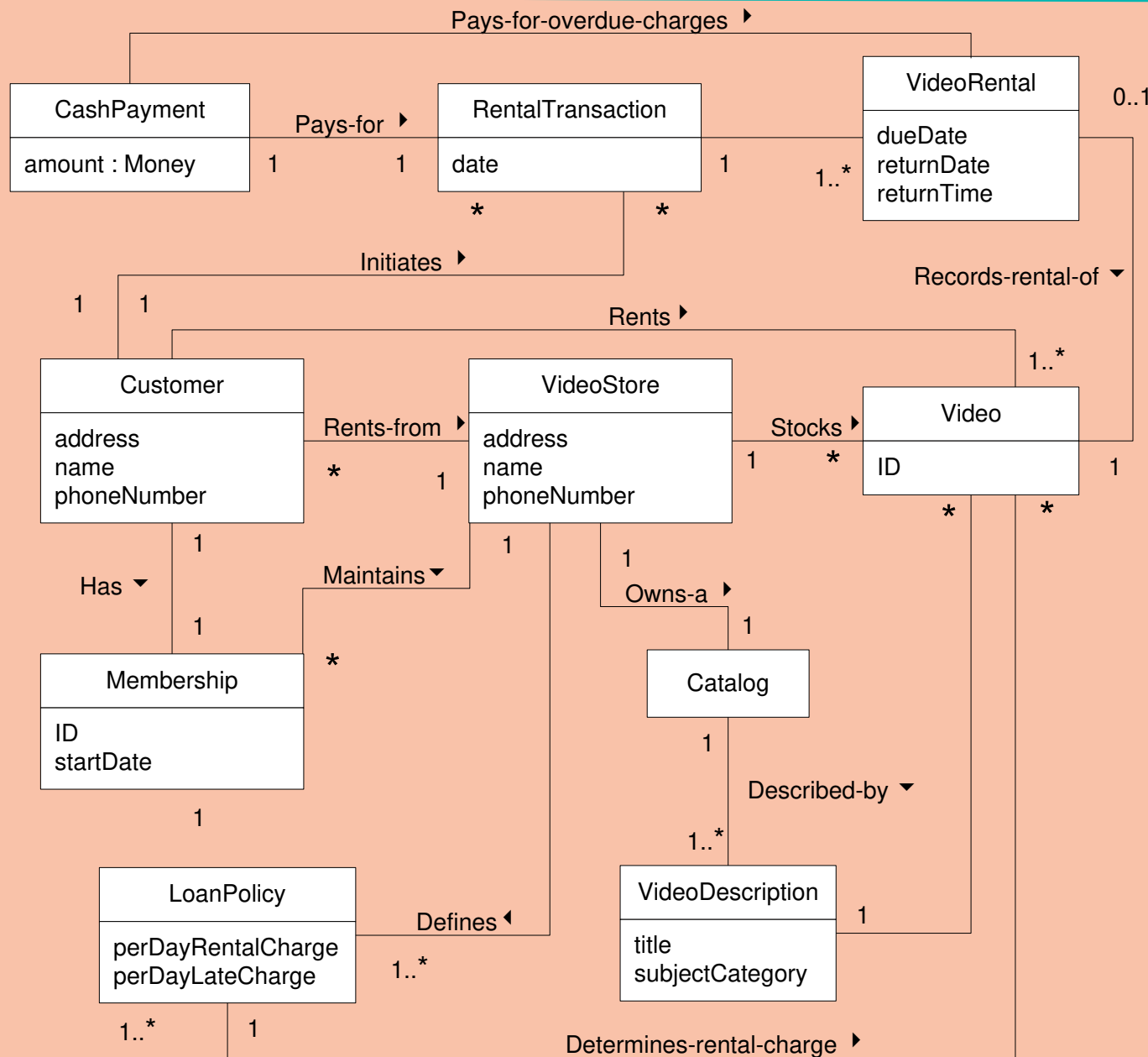


- Show only “simple” relatively primitive types as attributes.
- Connections to other concepts are to be represented as associations, not attributes.



- Why??

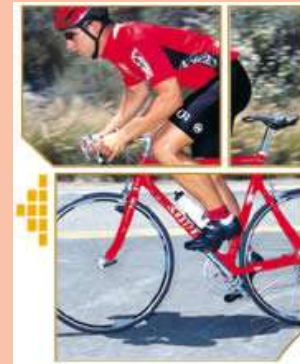


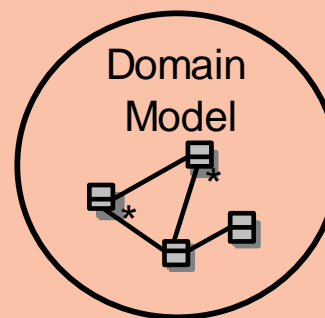


Notice how this can be viewed as a “visual dictionary.” It *illustrates* concepts, words, things in a domain.

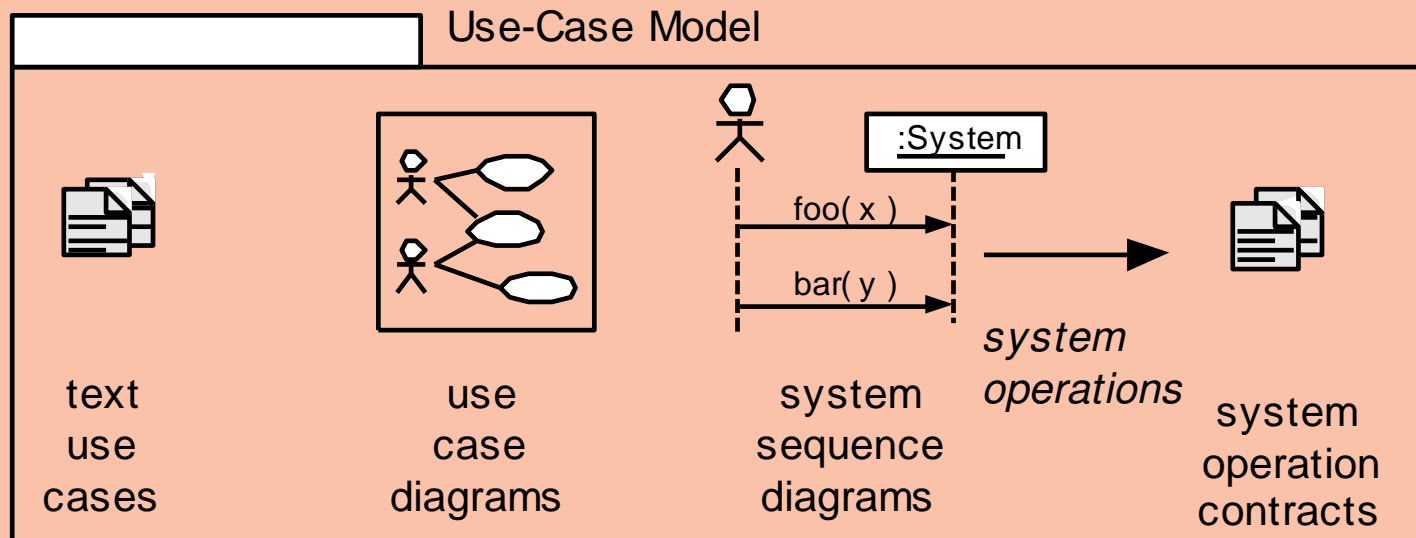
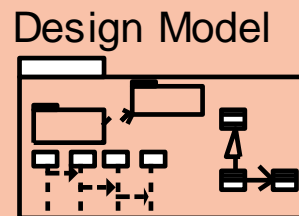


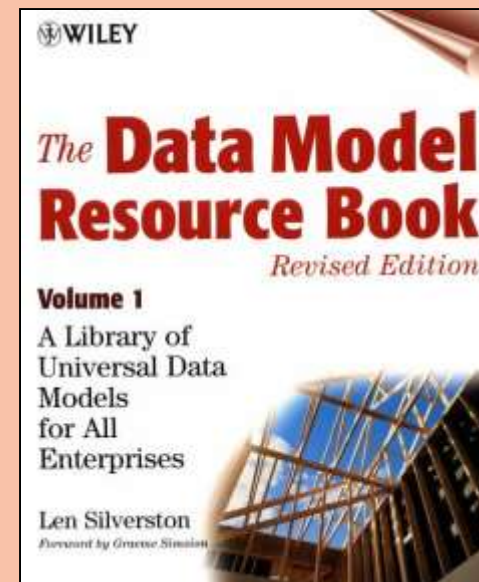
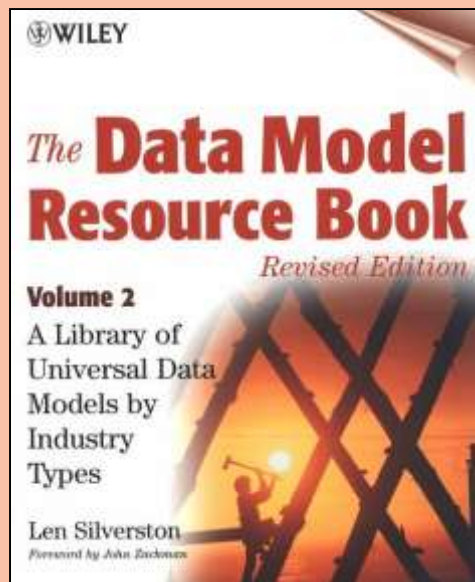
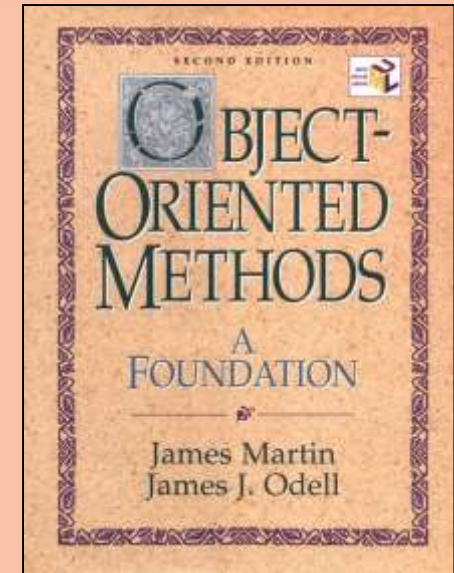
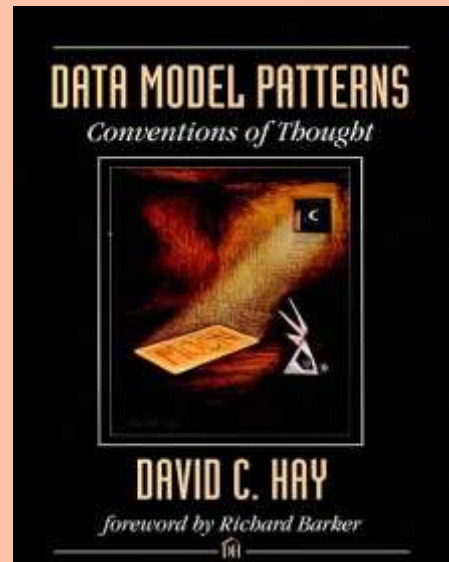
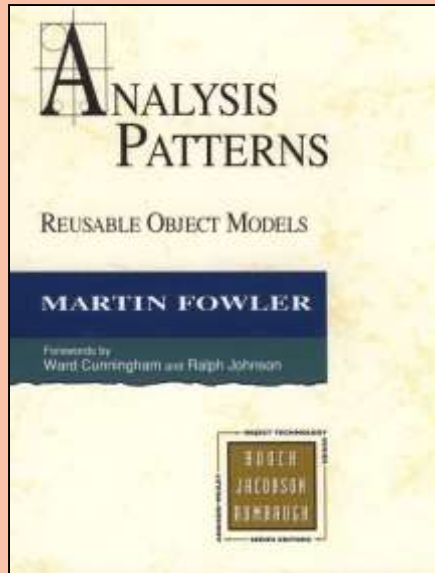
1. In small teams at the whiteboard, draw a partial Domain Model, limited to the Main Success Scenario of the *Process Sale* use case, and assuming iteration 1 simplifications.
 - Use the text's use case as the basis. p. 50
 - Apply the guidelines



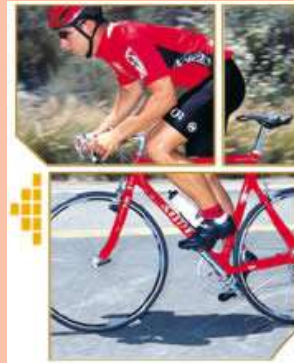
Business Modeling

Partial artifacts, refined in each iteration.

Requirements**Design**



1. Without notes, draw all UP disciplines and artifacts discussed, and relate them.



1. Objectives assessment. Can you:
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 - Create a Domain Model
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