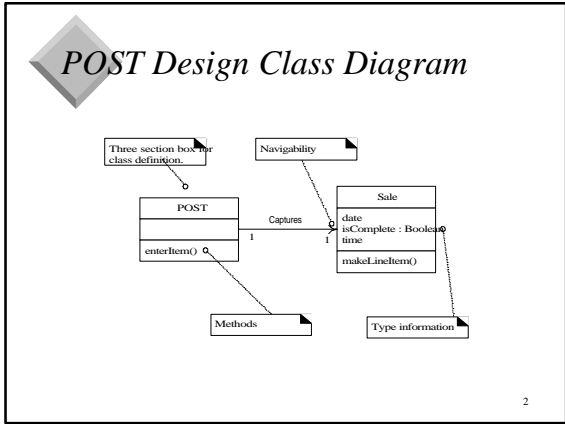


Design Class Diagrams (Ch. 21)

- ❖ The first UML diagram from the Design phase of development
- ❖ Generated from:
 - Interaction diagrams
 - ◆ Sequence diagrams
 - ◆ Collaboration diagrams
 - Conceptual model
- ❖ Part of Rose's Logical View of the system

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Steps in Producing DCD

- ❖ Analyze interaction diagrams to find all classes/objects
- ❖ Create classes for each element from interaction diagrams
- ❖ Duplicate attributes from associated concepts in Conc. Mdl
- ❖ Add method names from the interaction diagrams
- ❖ Add data types to the attributes and methods
- ❖ Add associations from the Conc. Model & Collab. Diag.
- ❖ Add associations to support the required visibility
- ❖ Add dependency relationship line to indicate non-attribute visibility
- ❖ Add navigability arrows to associations to indicate direction of visibility

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