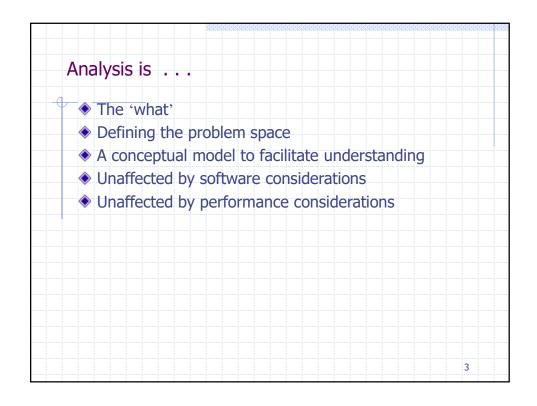
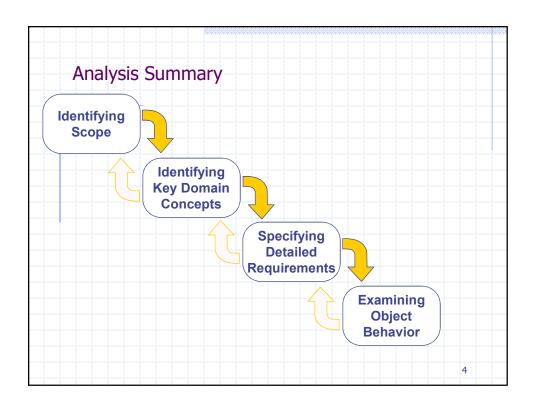
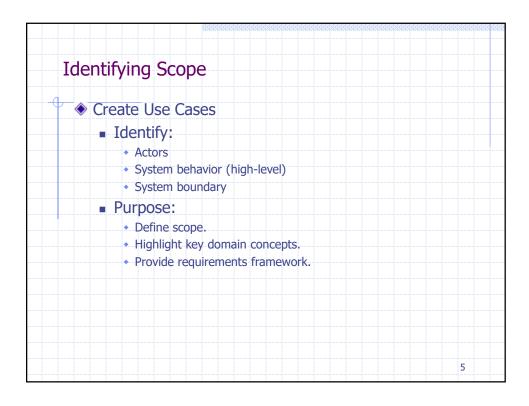
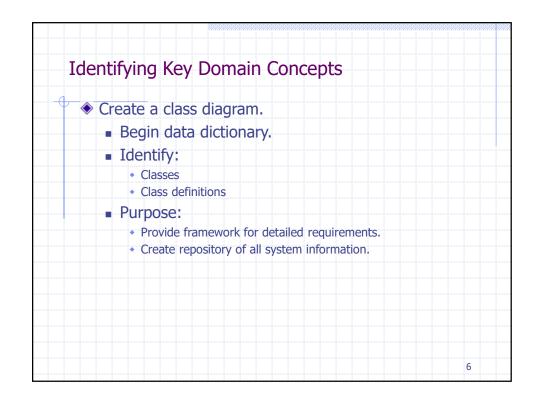


## What You Will Learn Review Analysis Highlight Design topics Reinforce the Differences between Analysis and Design

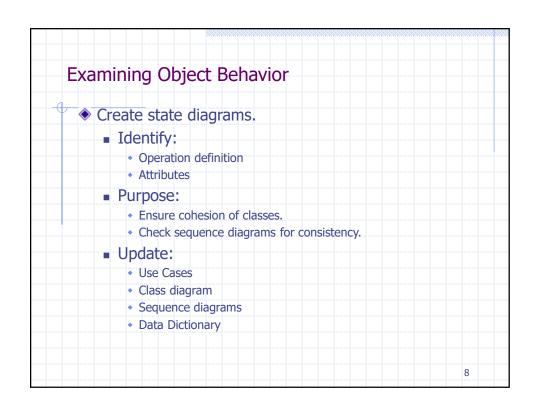








Specii	ying Detailed Requirements
◈ (	Create scenarios and sequence diagrams.
	■ Identify:
	Logical system interaction
	Attributes & Operations
	Associations
	Purpose:
	Define system behavior.
	■ Update:
	Use cases
	Class Diagram
	Data dictionary



## Completeness?

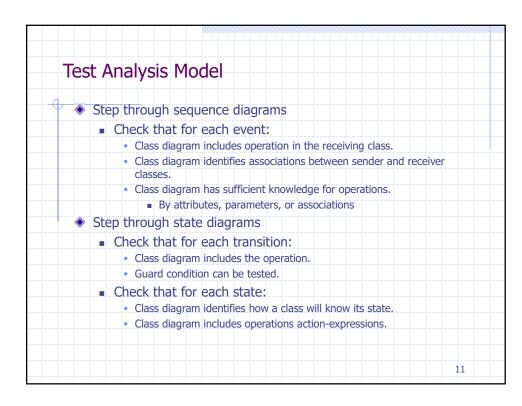
- Is the increment complete?
- ♦ Have all Use Cases for this increment been explored?
  - Class diagram includes all key domain concepts.
  - Illuminating scenarios and sequence diagrams covered.
  - Dynamic objects' states understood.
- What if it is not complete?
  - Change plans or schedules for the iteration accordingly.
  - Or iterate through this increment, completing unfinished areas.

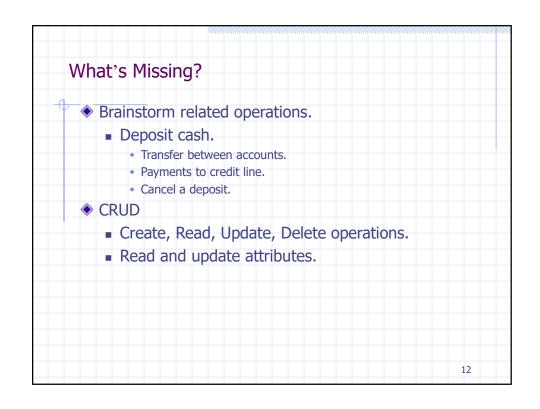
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## Consistency?

- Class diagram includes all domain objects identified in use cases, scenarios and sequence diagrams.
- Class diagram includes all attributes, operations and associations discovered from sequence diagrams and state diagrams.
- Use cases are updated to reflect changes made while creating scenarios and sequence diagrams.
- Data dictionary includes all information uncovered during this iteration.

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## Design

- Turn focus to software and construction, instead of understanding system requirements.
  - Minimize future maintenance effort.
  - Apply design constraints such as space, time and complexity.
  - Capture omitted detail.
  - Apply design principles, encapsulation, reuse and inheritance.
  - Architecture design.

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