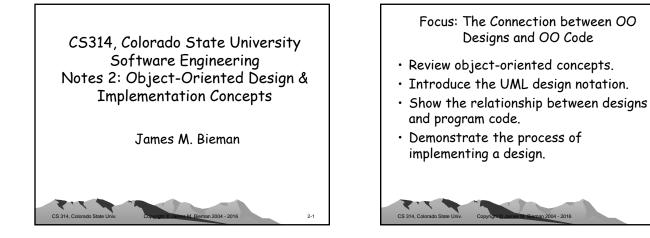
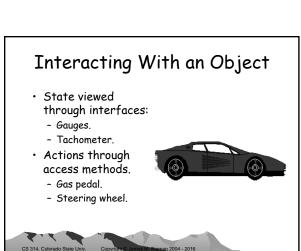
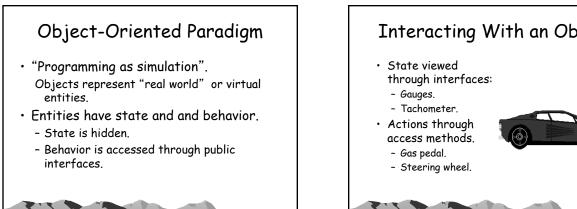
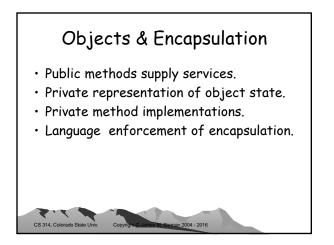
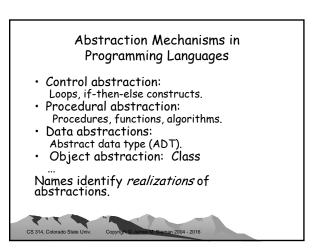
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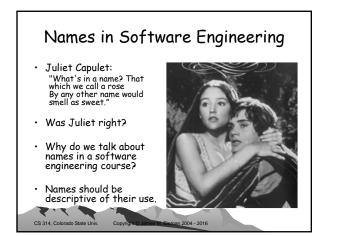


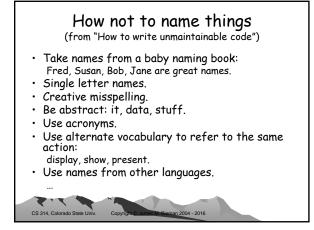


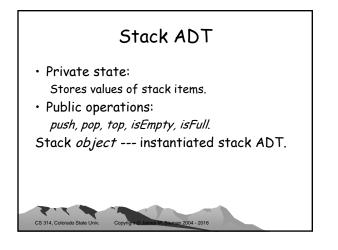


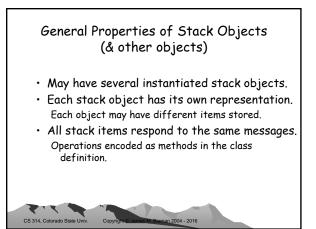


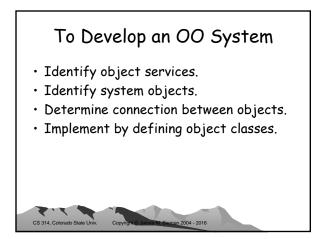


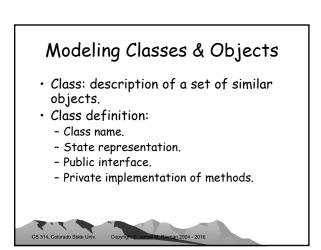


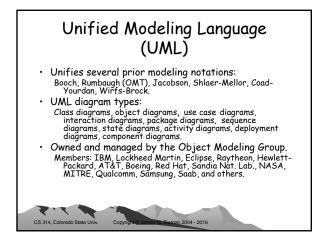


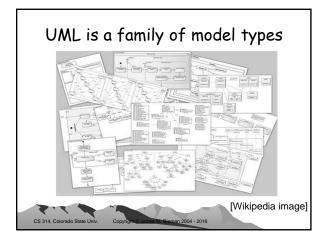


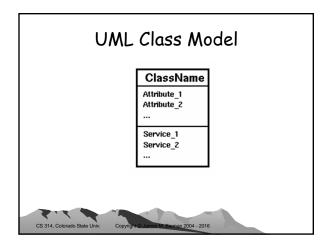


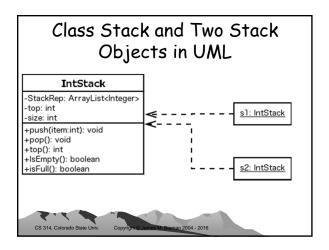












Methods (Member Functions)

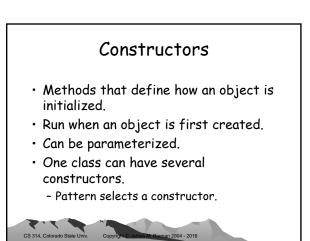
- Provide an object's services.
 Stack services: push, pop, top, isEmpty, and isFull.
- Public interface: method names & parameters.

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• Private method bodies: implement the method.

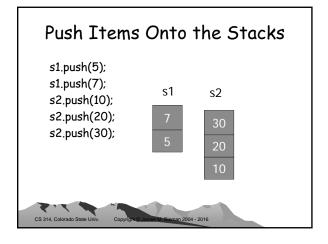
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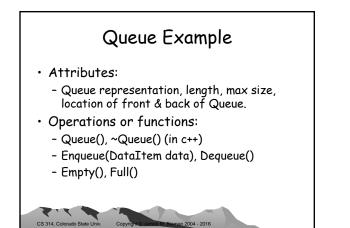


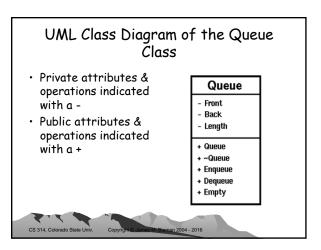
Objects Are Dynamically Created at Run Time

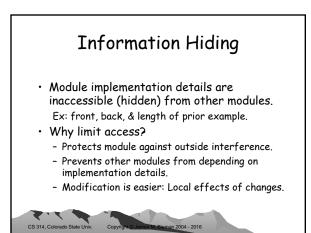
- To create stack objects in Java: Stack s1 = new Stack();
 Stack s2 = new Stack();
- Stacks s1 and s2 reference different stacks.

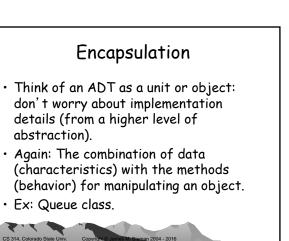


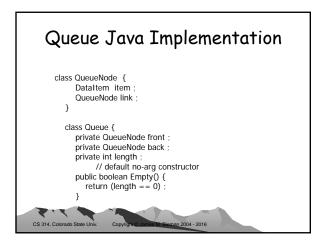


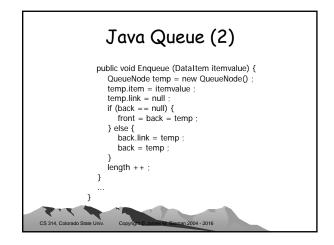


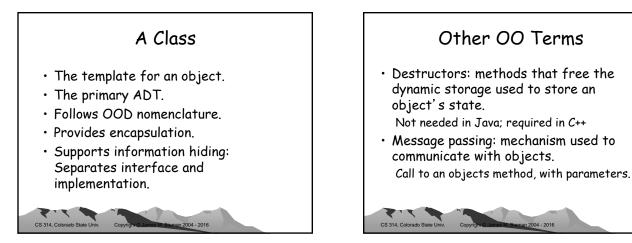


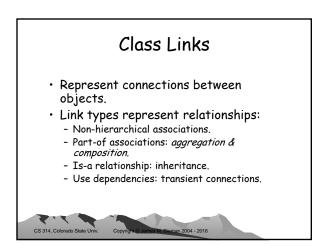


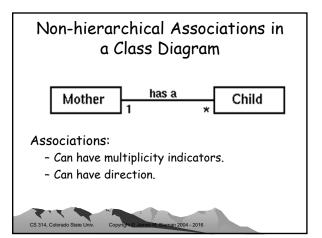


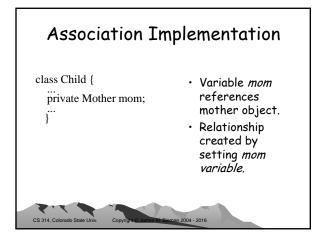


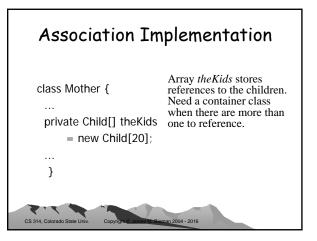


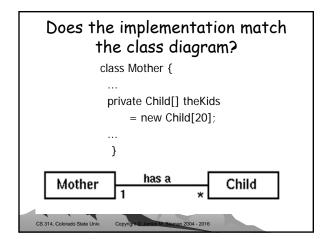


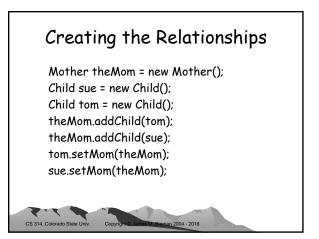


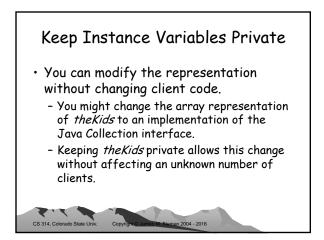


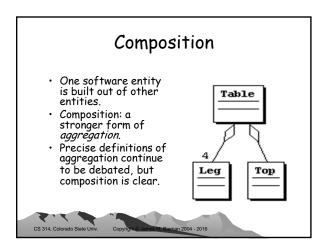


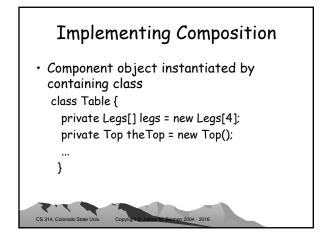


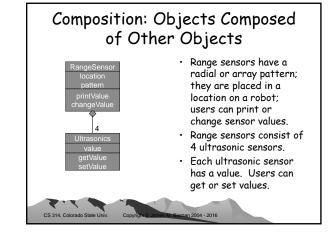


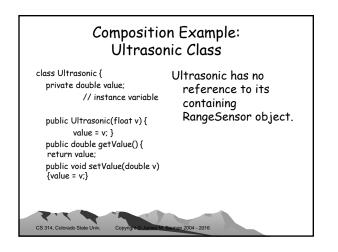


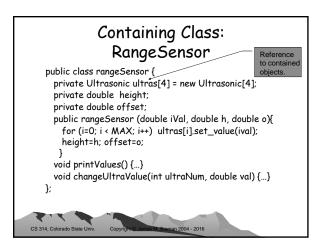


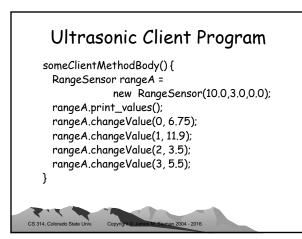


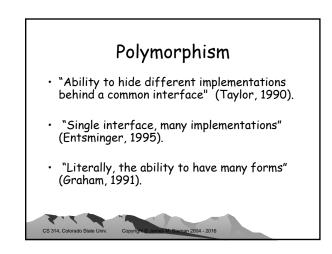


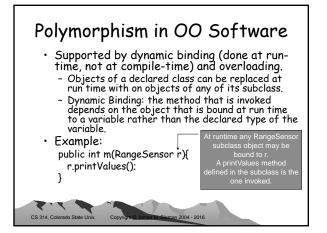


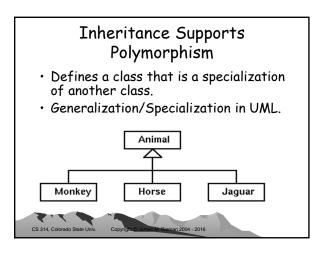


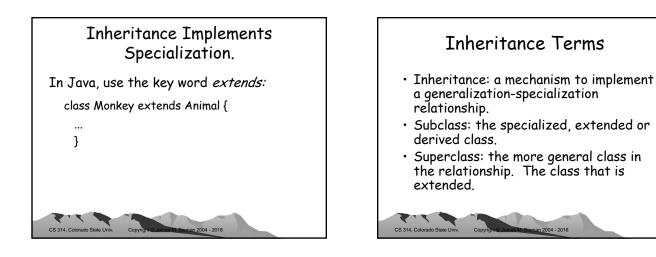


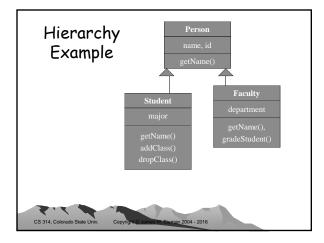


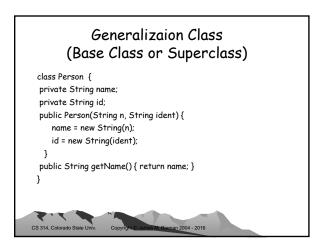


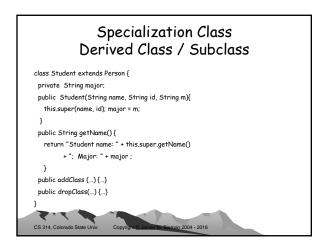


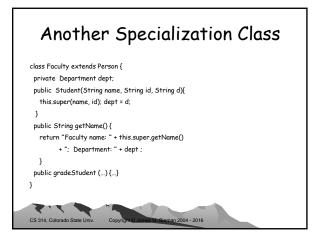


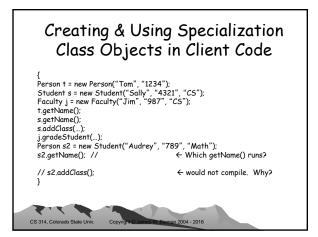


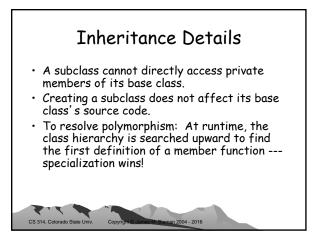


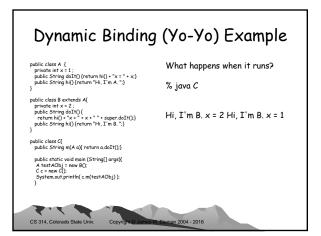


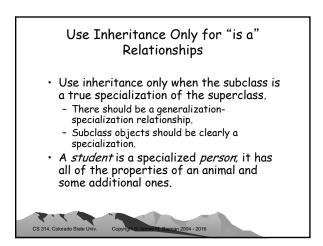


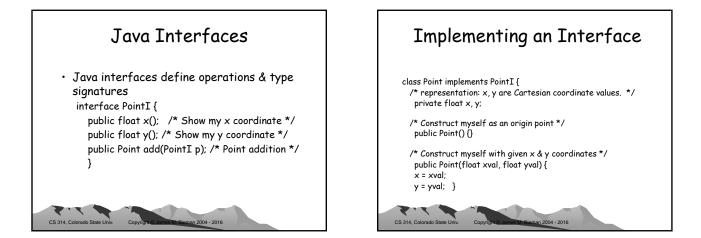


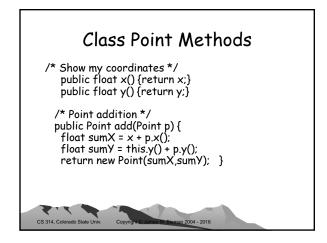


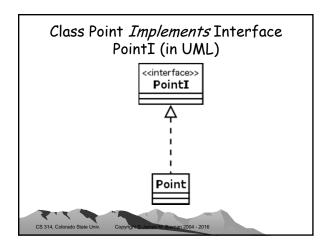


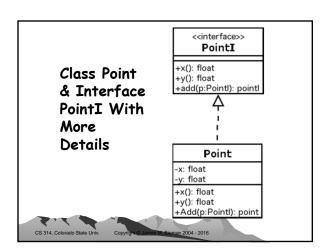


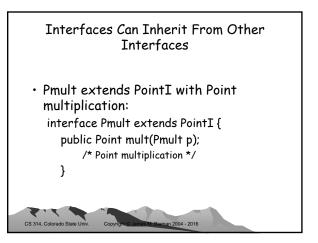


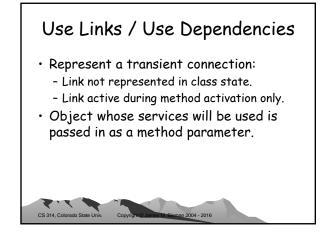




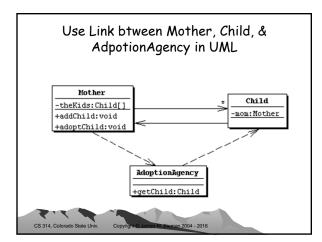


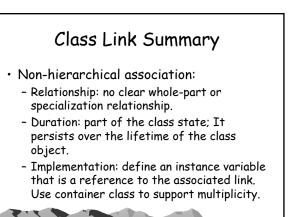




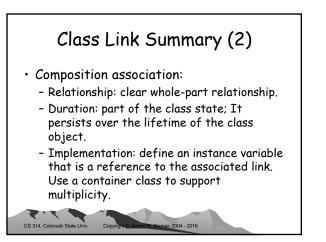


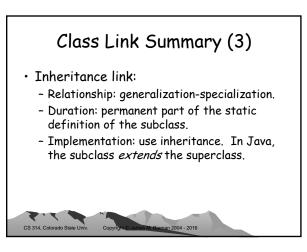






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Class Link Summary (4)

• Use links/ use dependencies:

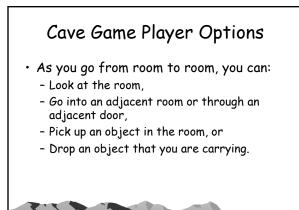
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- Relationship: one class object uses the services of another class object.
- Duration: transient; Exists only while the client or server methods are active.
- Implementation: client class method has a formal parameter which is a reference to the server class. The client invokes a server method.

Example Design: Cave Game Now Adventure

- Player visits a cave looking for treasure.
- · Move from room to room.
- Purely text based: predates GUI's.
 - Rooms described via textual description only.
 - Players must construct their own maps, on paper.





004 - 2016

