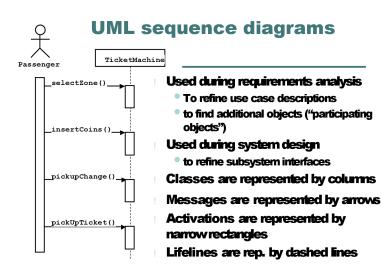
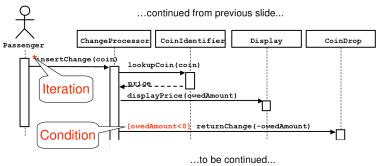


- The source of an arrow indicates the activation which sent the message
- An activation is as long as all nested activations
- Horizontal dashed arrows indicate data flow
- Vertical dashed lines indicate lifelines

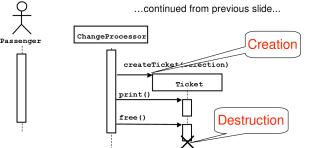


Iteration & condition



- Iteration is denoted by a * preceding the message name
- Condition is denoted by boolean expression in [] before the message name

Creation and destruction



- Creation is denoted by a message arrow to the object.
 Destruction is denoted by an X mark at the end of the destruction activation.
- In garbage collection environments, destruction can be used to denote the end of the useful life of an object.

UML: System Sequence Diagrams

- More resources
 - UML 2 Sequence Diagrams: http://www.agilemodeling.com/artifacts/sequenceDiagram.htm
 - Wikipedia
 - http://en.wikipedia.org/wiki/System_sequence_diagram
 - Other slides adapted from Larman et al.
 - http://www.cse.lehigh.edu/~glennb/oose/ppt/06SystemSequenceDiagrams.ppt
 - UML basics: The sequence diagram
 - http://www.cse.lehigh.edu/~glennb/oose/ppt/06SystemSequenceDiagrams.ppt

Sequence Diagram Summary

- UML sequence diagram represent behavior in terms of interactions.
- Useful to find missing objects.
- Time consuming to build but worth the investment.
- Complement the class diagrams (which represent structure).

Slides originally by Ken Wong

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