

UML Interaction Overview Diagrams

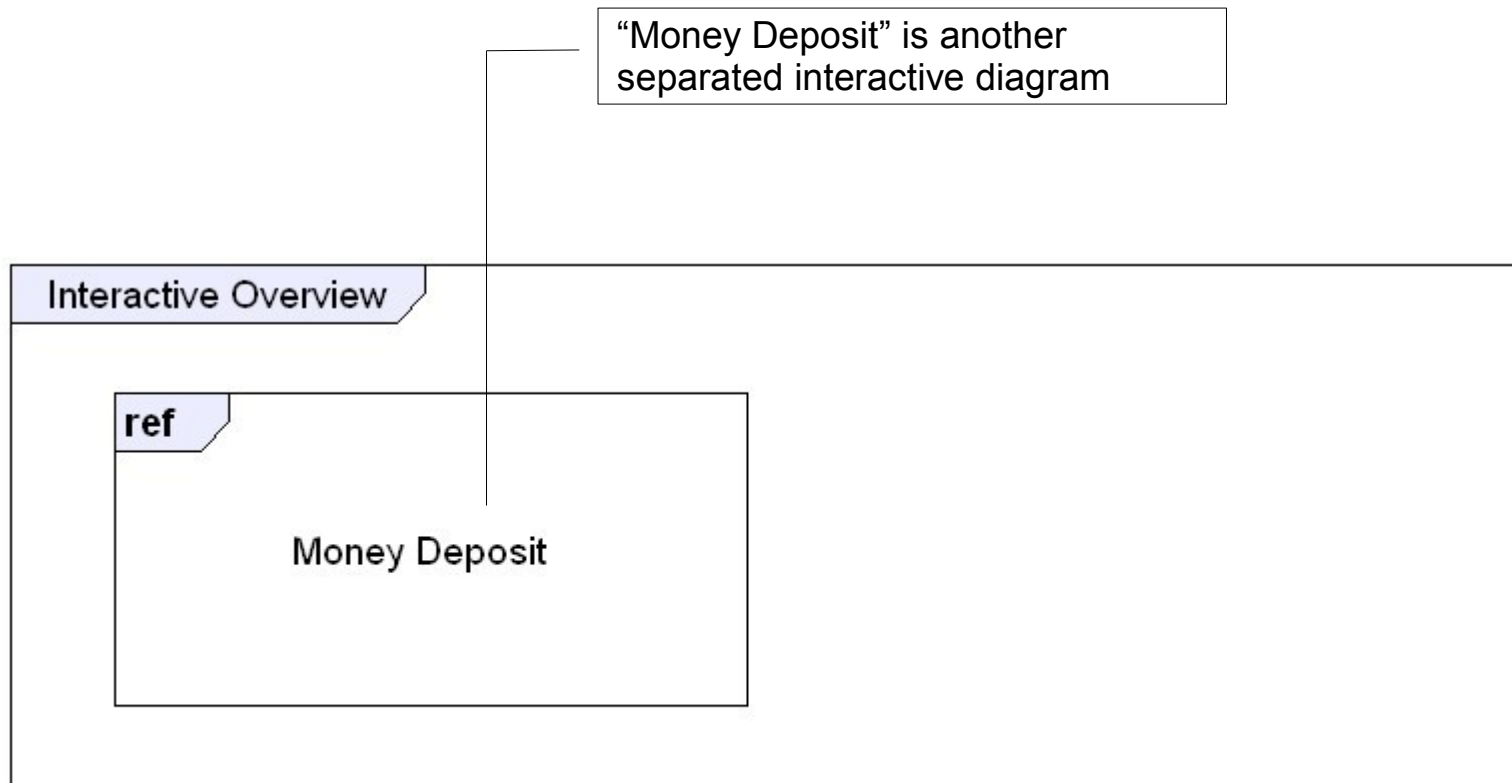
Introduction

- The interaction overview diagram is kind of an activity diagram in which every node represents an interaction diagram.
- An interaction diagram can be any of the following:
sequence diagram, timing diagram, communication diagram and interaction overview diagram.
- Most of the activity diagram's notations are valid for interaction overview diagrams as well.
- The interaction overview diagram includes two new elements:
interaction occurrences and interaction elements.

Interaction Occurrence

- The interaction occurrence is a reference to a separated existing interaction diagram.
- We notate the interaction occurrence as a frame with “ref” on top left corner. In the frame center we write the name of the referenced diagram.

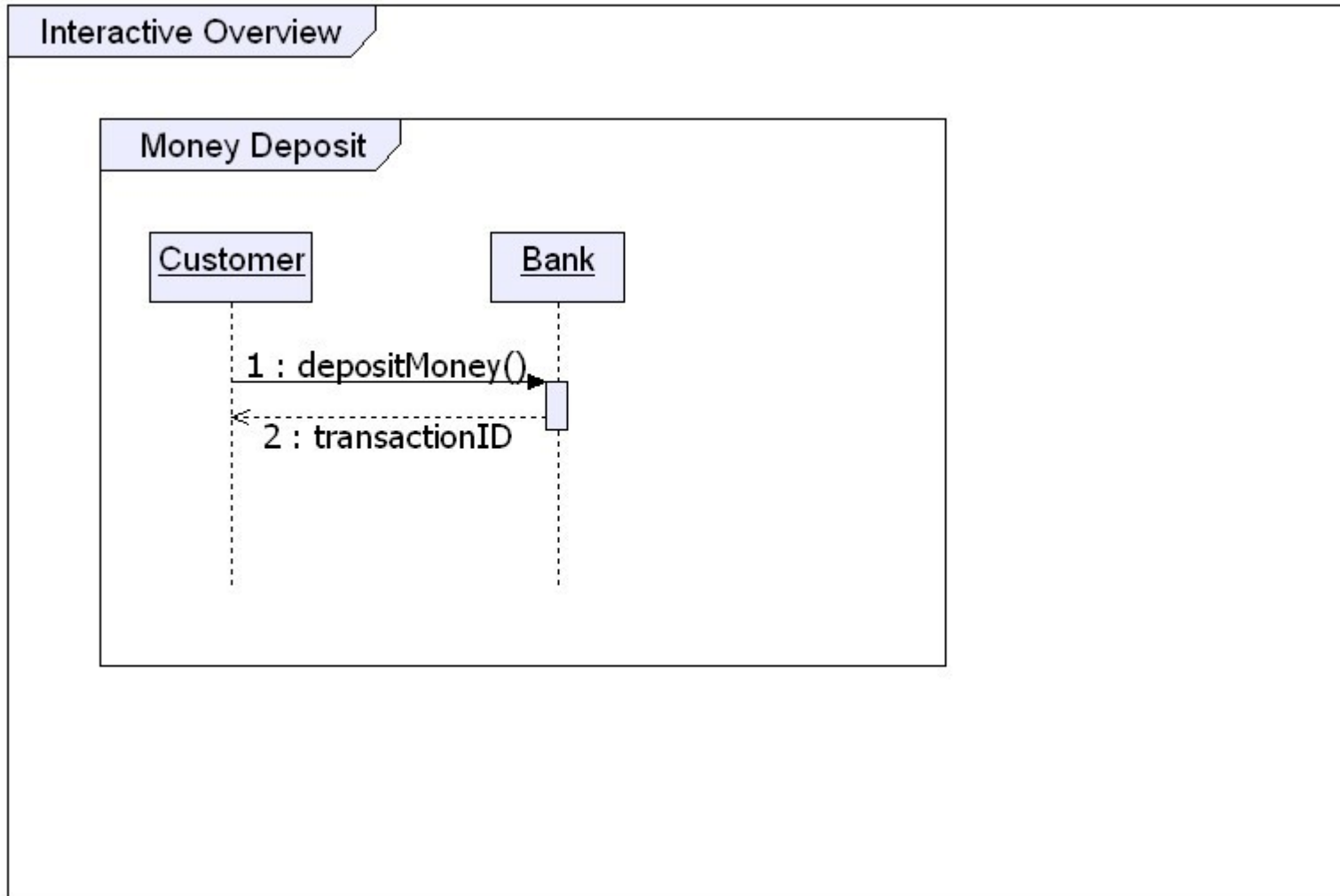
Interaction Occurrence



Interaction Element

- The interaction Element represents a separated existing interaction diagram.
- The interaction element notation is the same notation we use for interaction occurrence.
- Unlike the interaction occurrence, the interaction element displays the contents of the referenced diagram in-line.

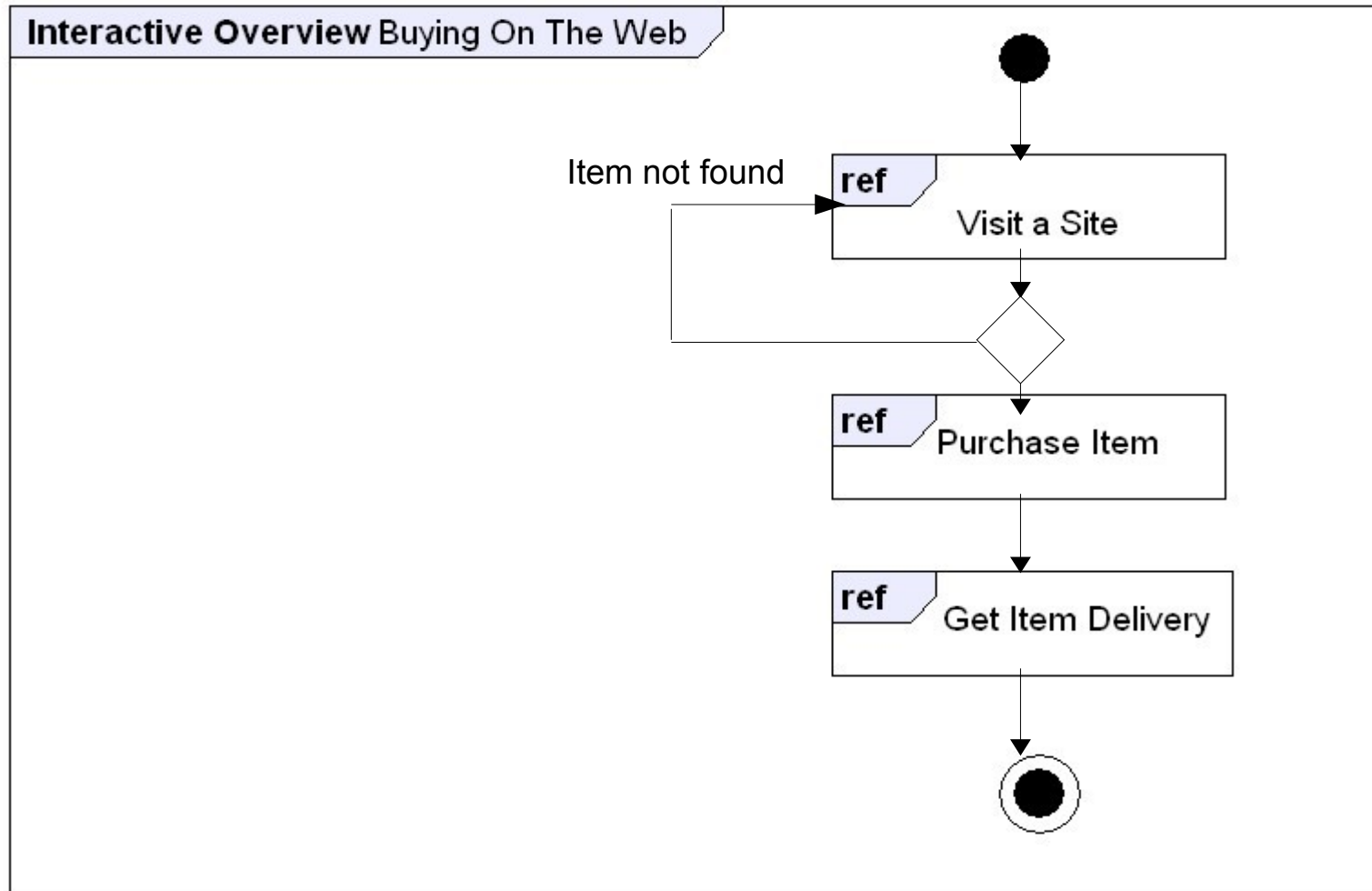
Interaction Element



Interaction Overview Sample

- All controls you know from drawing activity diagrams (merge, join, fork etc.) can be used when drawing an interaction overview diagram putting together lower level diagrams, which are any of the four interaction diagrams types (sequence, timing, communication and interaction overview).

Interaction Overview Sample



UML Interaction Overview Diagrams

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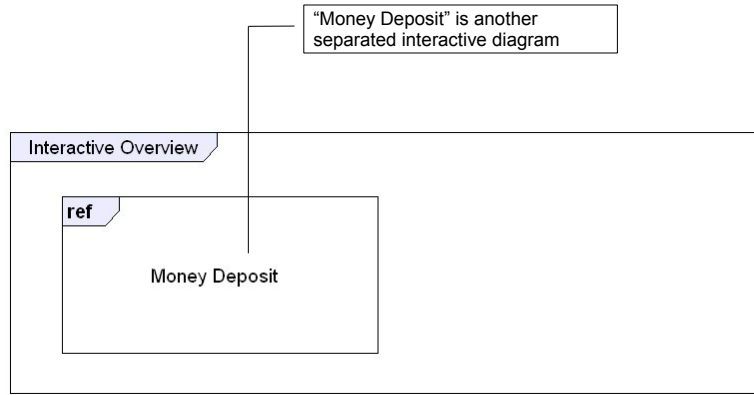
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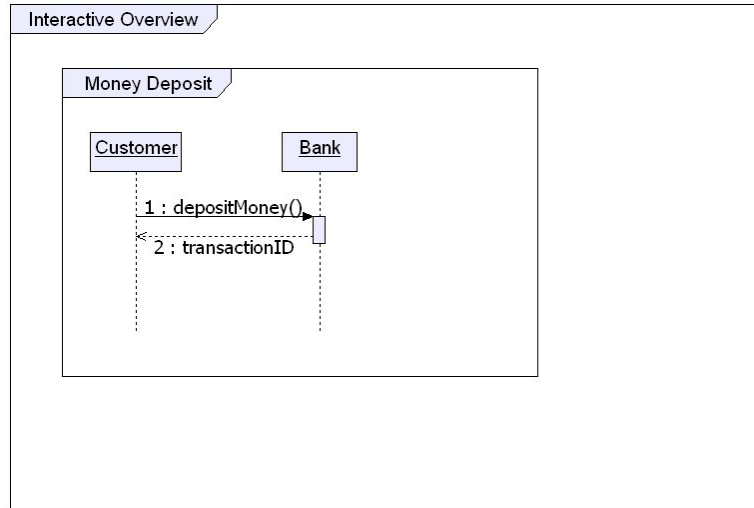
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