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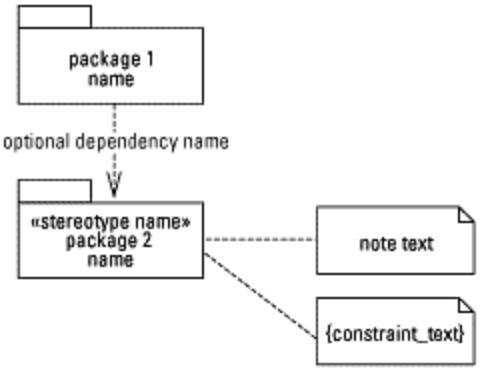
GENERAL-PURPOSE CONCEPTS

Can be used on various diagram types

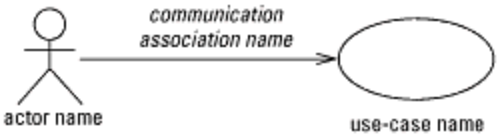
Package, dependency, note



USE-CASE DIAGRAM

Shows the system's use cases and which actors interact with them

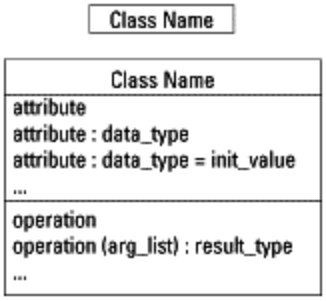
Actor, use case, and association



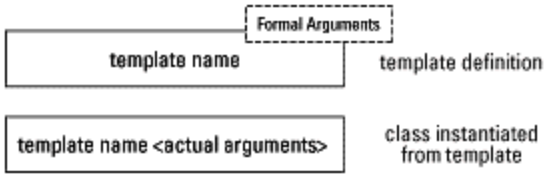
CLASS DIAGRAM

Shows the existence of classes and their relationships in the logical view of a system

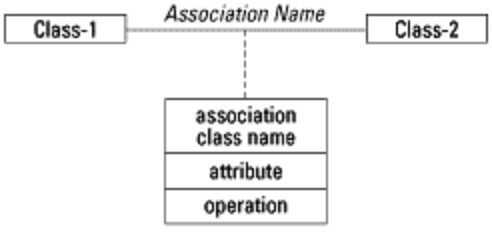
Class



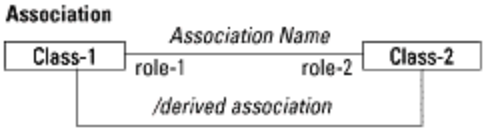
Parameterized class



Association classes

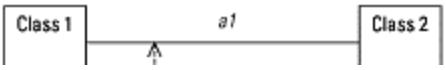


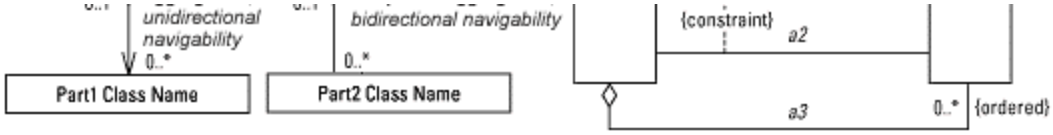
Role names and derived associations



Aggregation, navigability, and multiplicity

Constraints

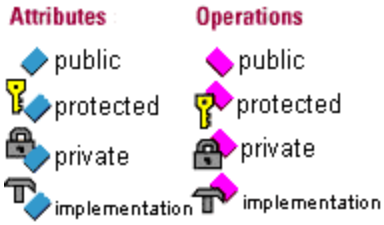




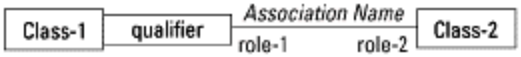
Visibility and properties

Class
- private attribute # protected attribute /- private derived attribute +$ class public attribute
+ public operation # protected operation - private operation +$ class public operation

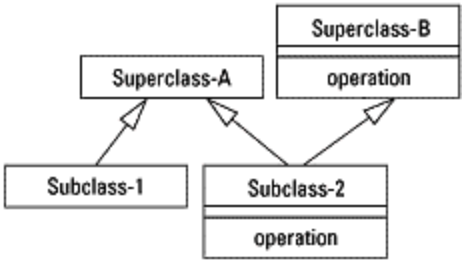
Optional visibility icons



Qualified association



Generalization/specialization

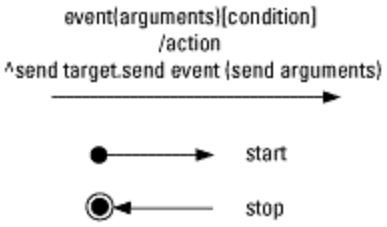


STATE-TRANSITION DIAGRAM

Shows the state space of a given context, the events that cause a transition from one state to another, and the actions that result

State icon

State transitions



History

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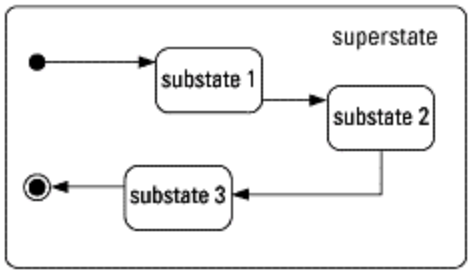
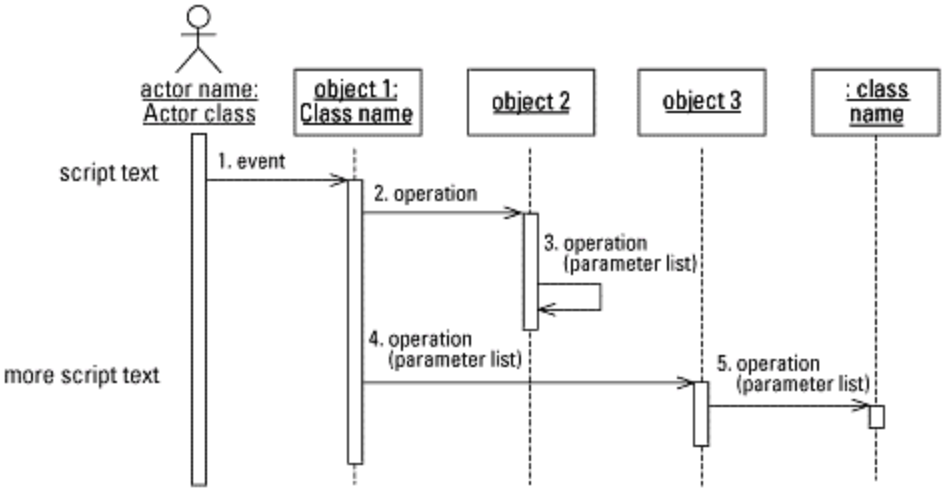
Nesting

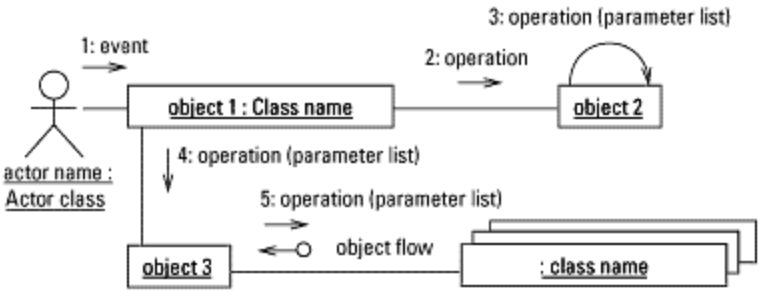


INTERACTION DIAGRAMS Show objects in the system and how they interact

Sequence diagram

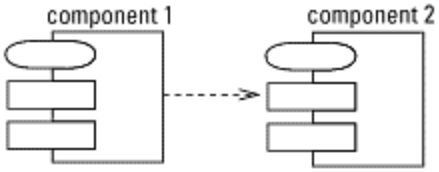


Collaboration diagram



COMPONENT DIAGRAM

Shows the dependencies between software components



DEPLOYMENT DIAGRAM

Shows the configuration of runtime processing elements

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