
Analysis Patterns

Data Modeling Patterns, David Hay

Analysis Patterns, Martin Fowler

Analysis Patterns

Organizational structure Hay, Fowler

Accountability Fowler

Quantities Hay, Fowler

Contracts Hay, Fowler

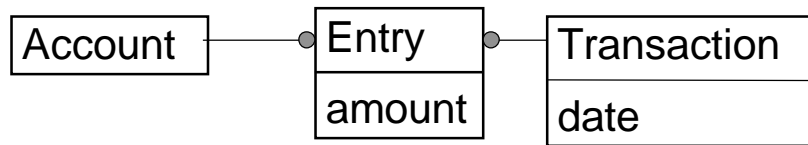
Accounting Hay, Fowler

Products and Inventories Hay

Material Requirements Planning Hay

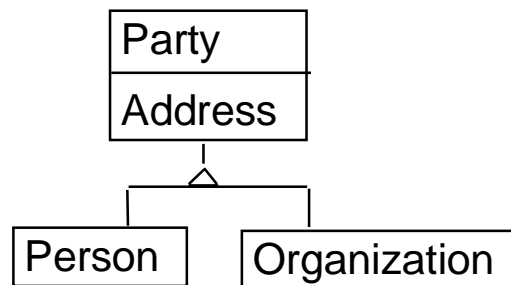
Transactions

Transactions can effect many accounts.



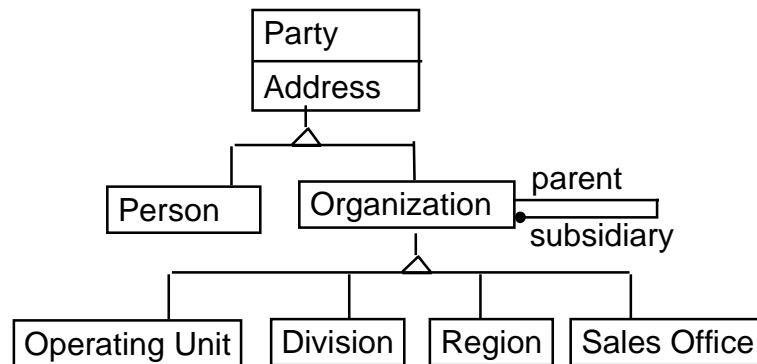
Party

Many roles that are usually played by people are sometimes played by organizational units, too.



Organizational Hierarchies

Organizations usually have a hierarchical structure.

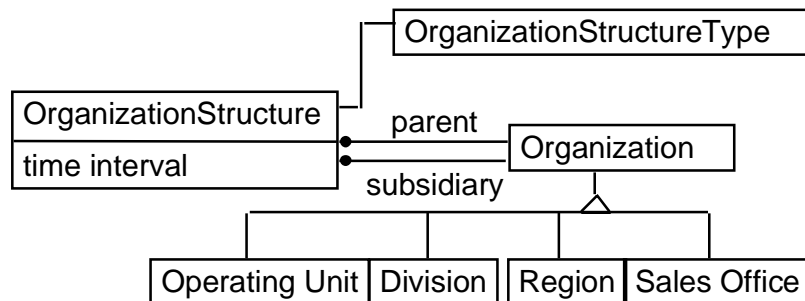


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Organizational Structure

Problem: An organization can be in several hierarchies, and the structure can change over time.



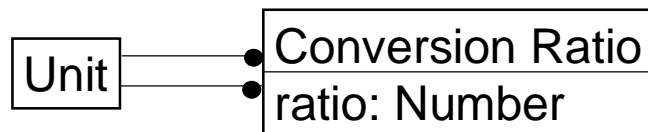
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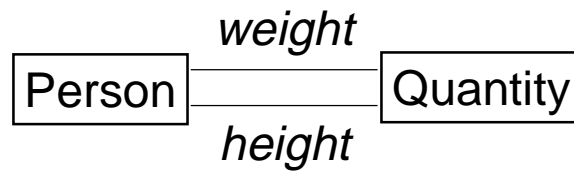
Quantity

Quantity
amount: Number
units: Unit
+, -, *, /

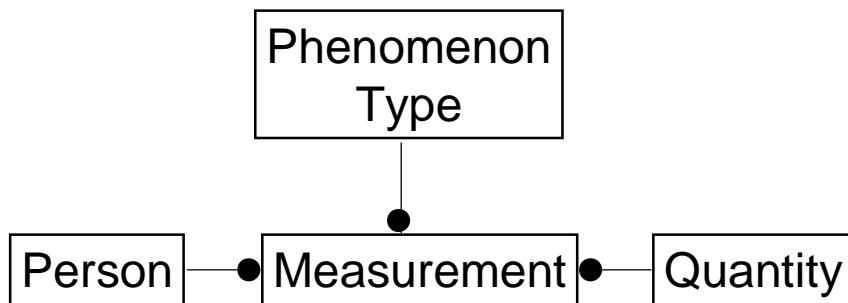
Conversion Ratio



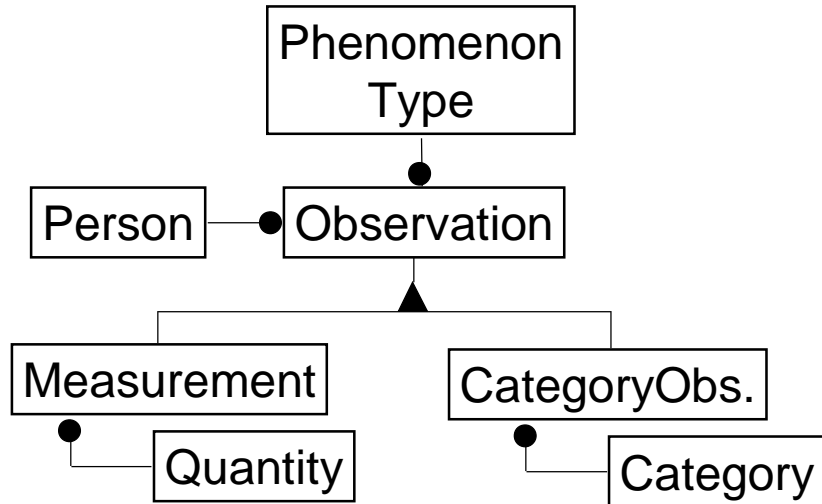
Measurement



Measurement



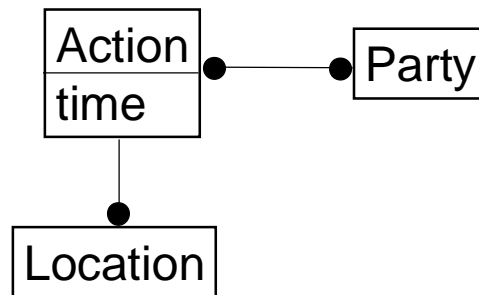
Observation



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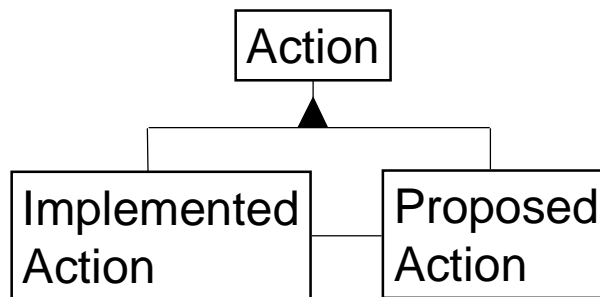
Action



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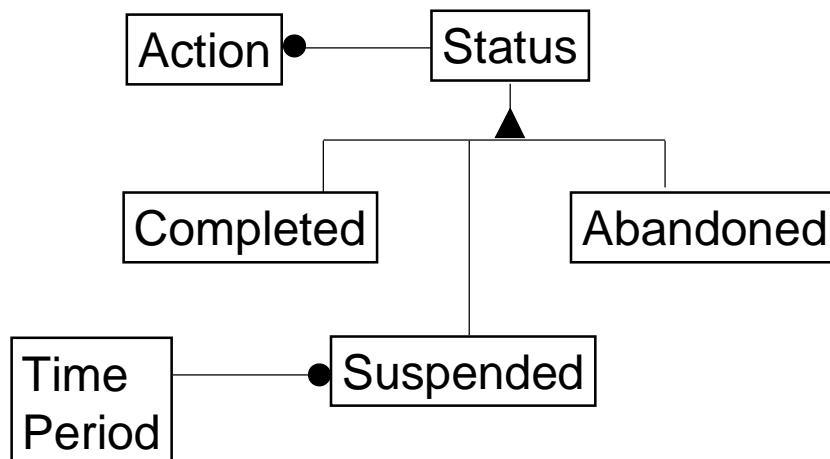
Proposed and Implemented Actions



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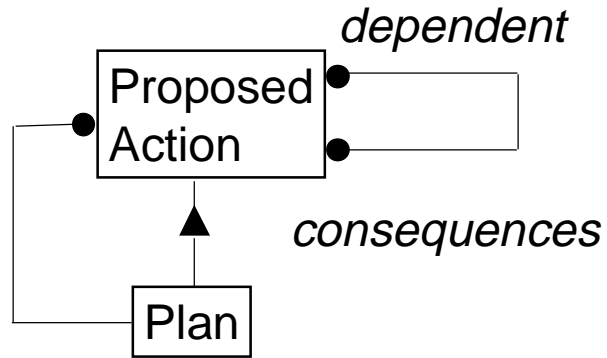
Completed, Abandoned, Suspended Actions



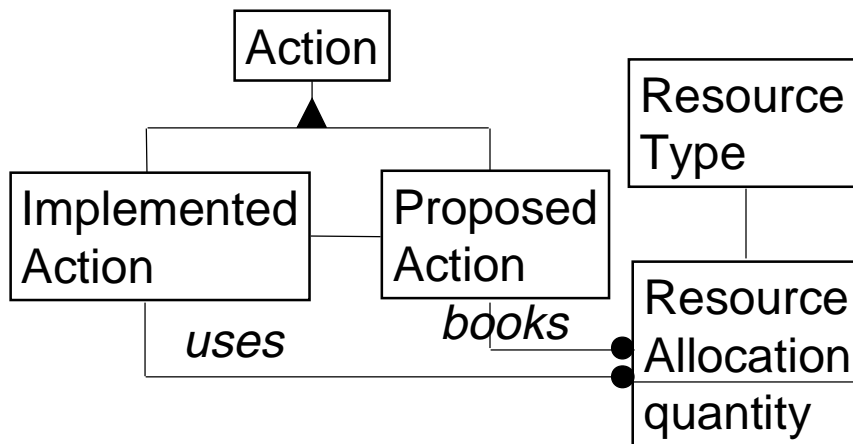
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Plan



Resource Allocation



Summary

Analysis is modeling the problem.

Analysis patterns are as important as design patterns.