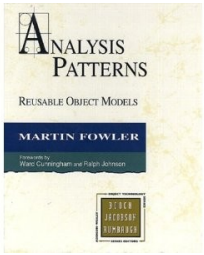
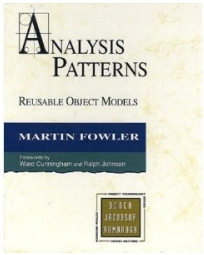


Analysis Patterns

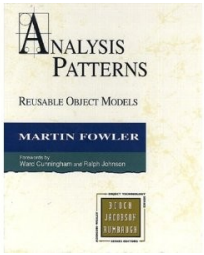
PV167 Project in Object-oriented Design of Information Systems

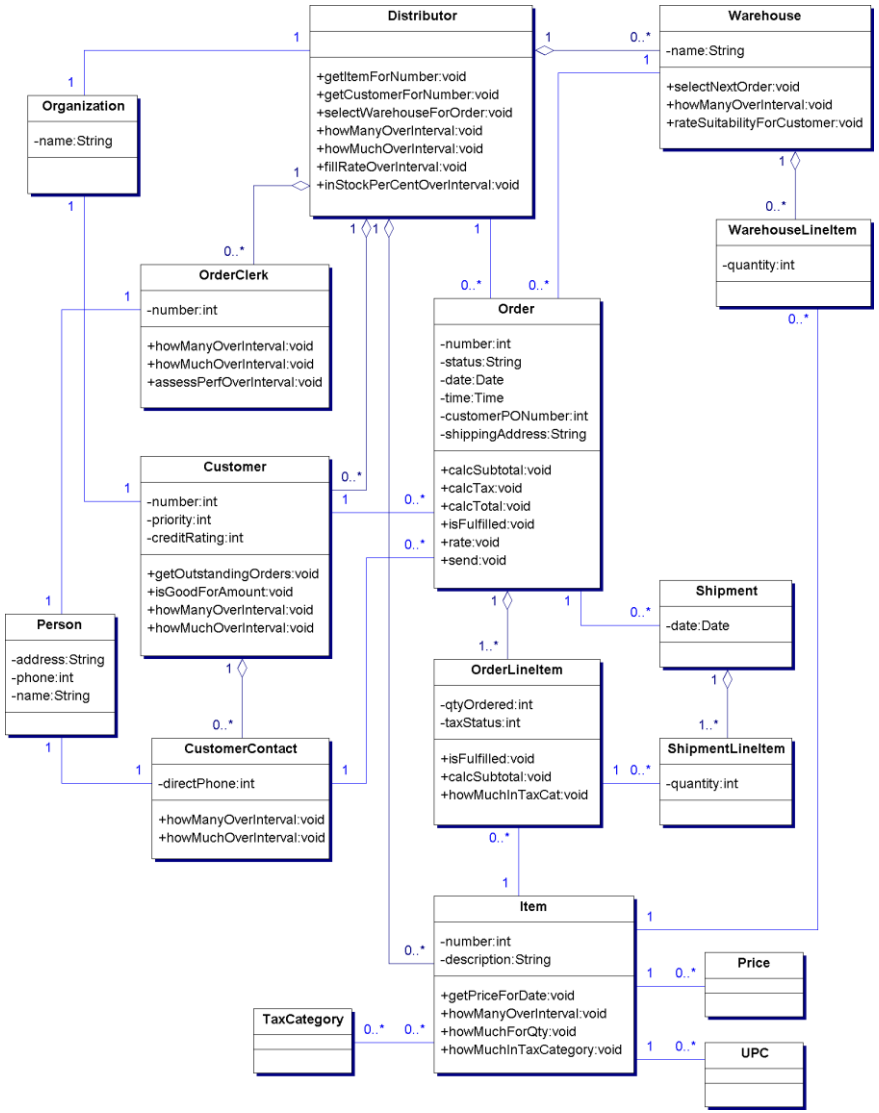
Analysis Patterns



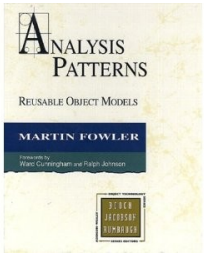
- **Analysis Patterns: Reusable Object Models** by Martin Fowler, 1997
  - Accountability
  - Observations and Measurements
  - Observations for Corporate Finance
  - Referring to Objects
  - Inventory and Accounting
  - Planning
  - Trading
  - Derivative Contracts
  - Trading Packages

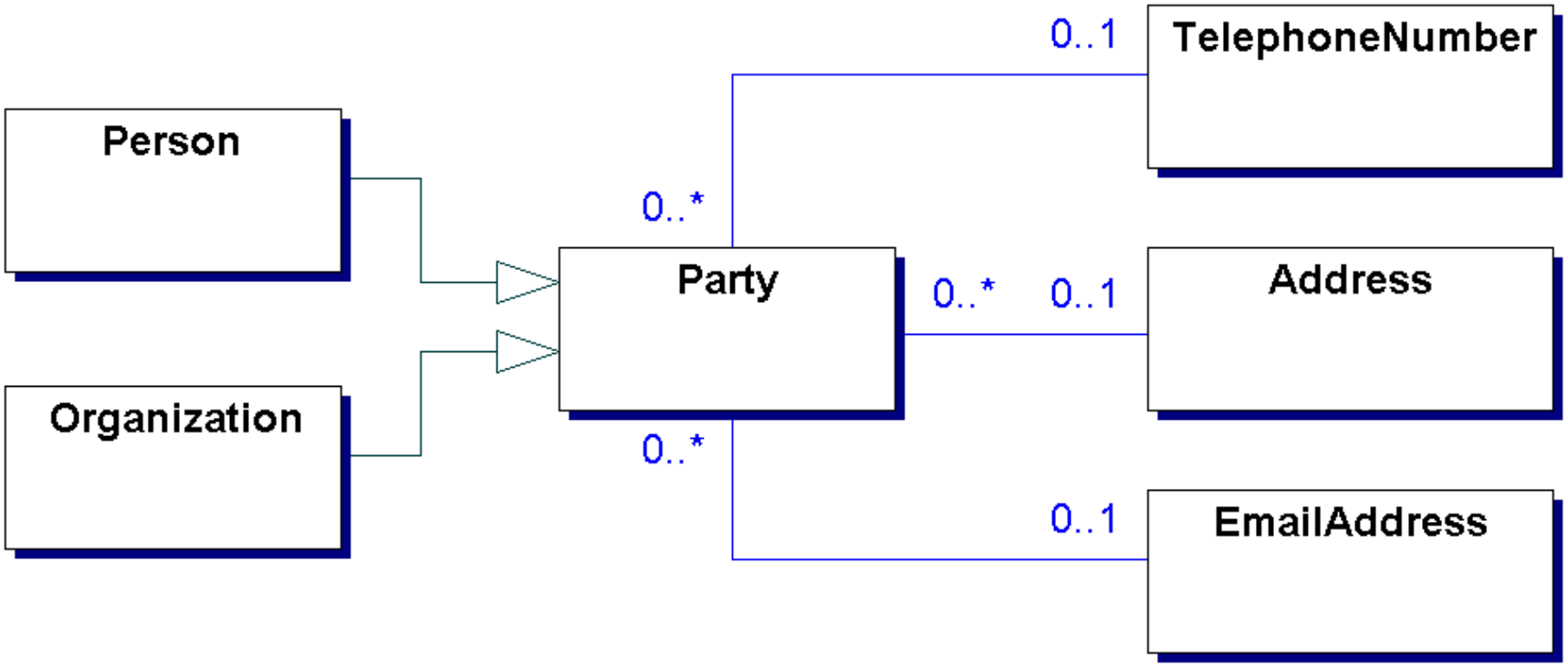
Case Study: Ollie's Order Center



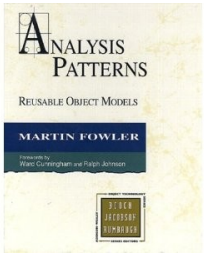


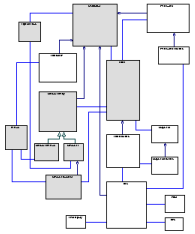
Accountability – Party pattern

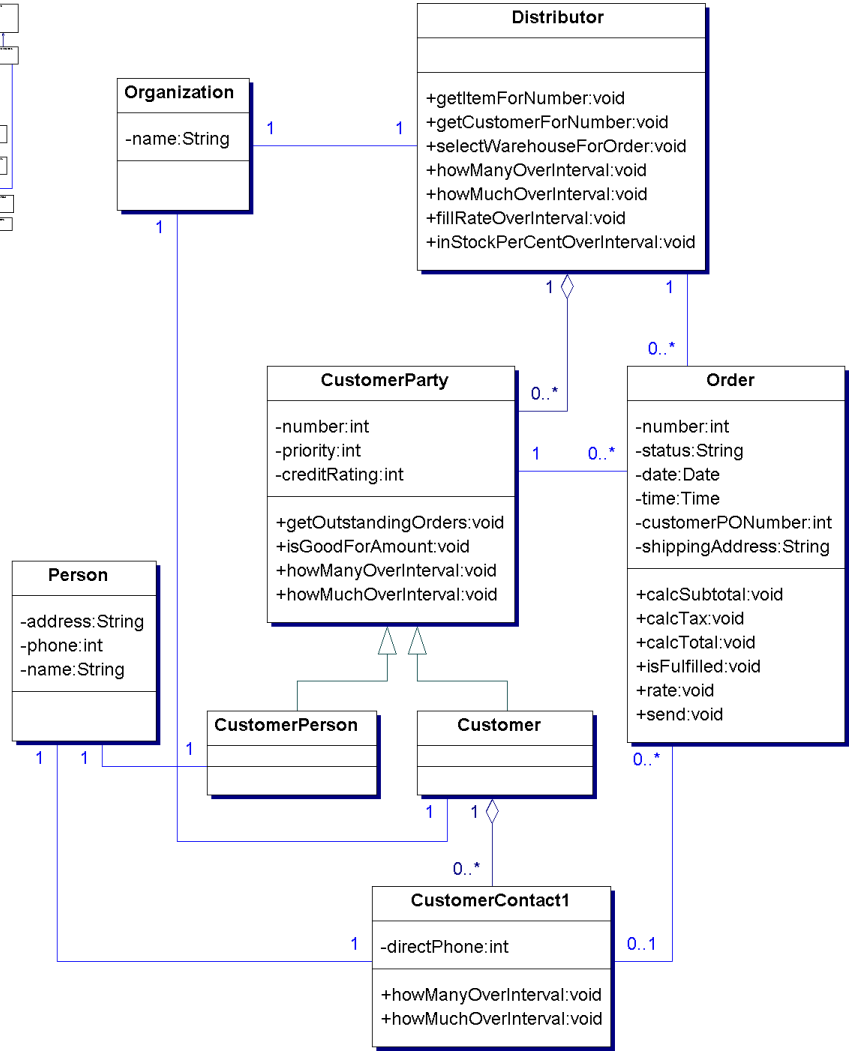




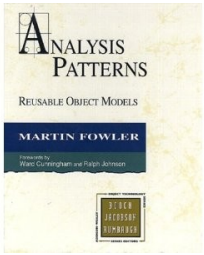
Ollie's Order Center: Party pattern

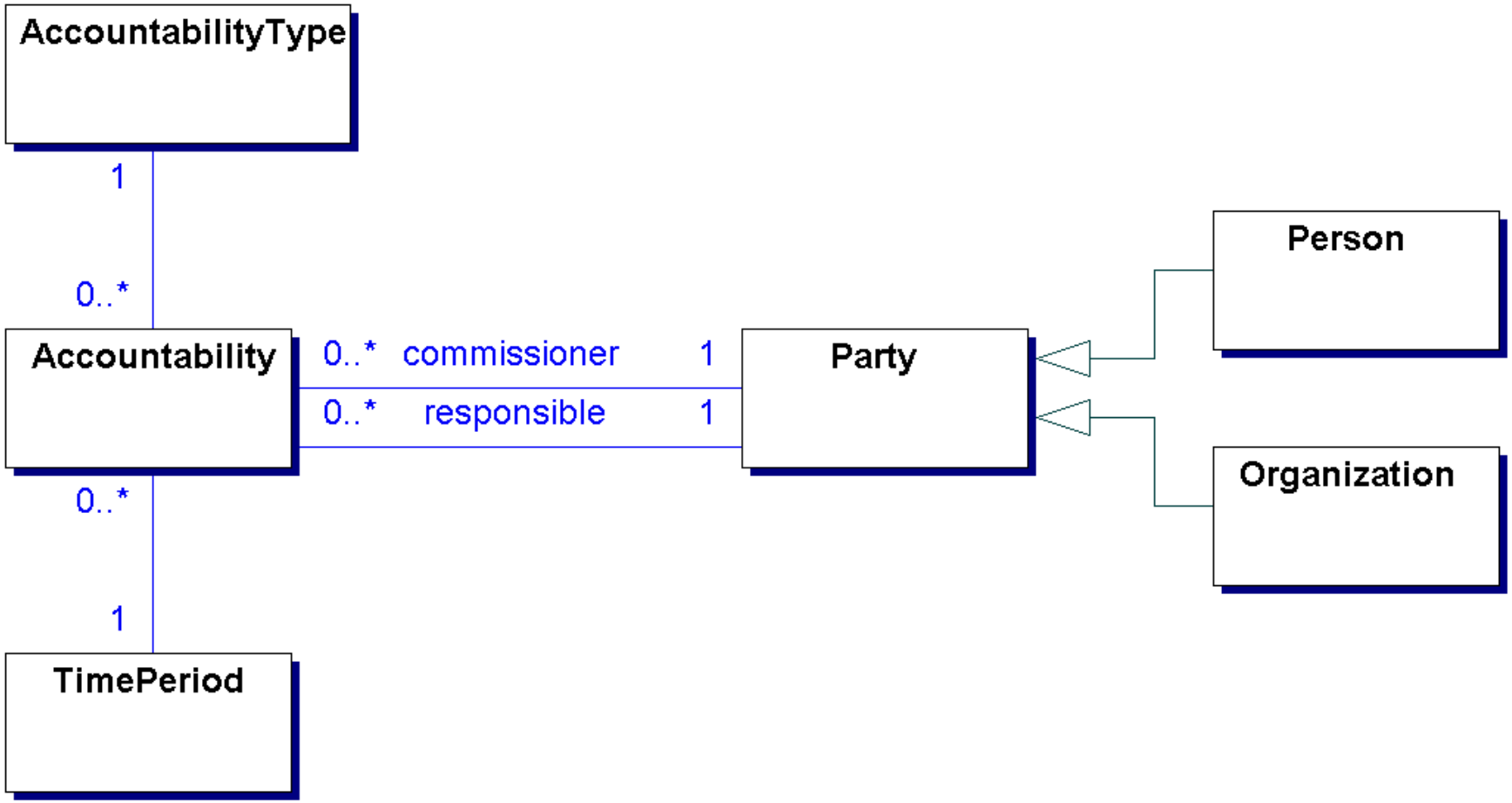




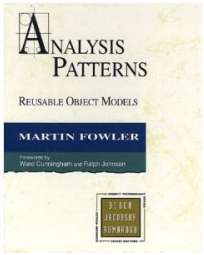


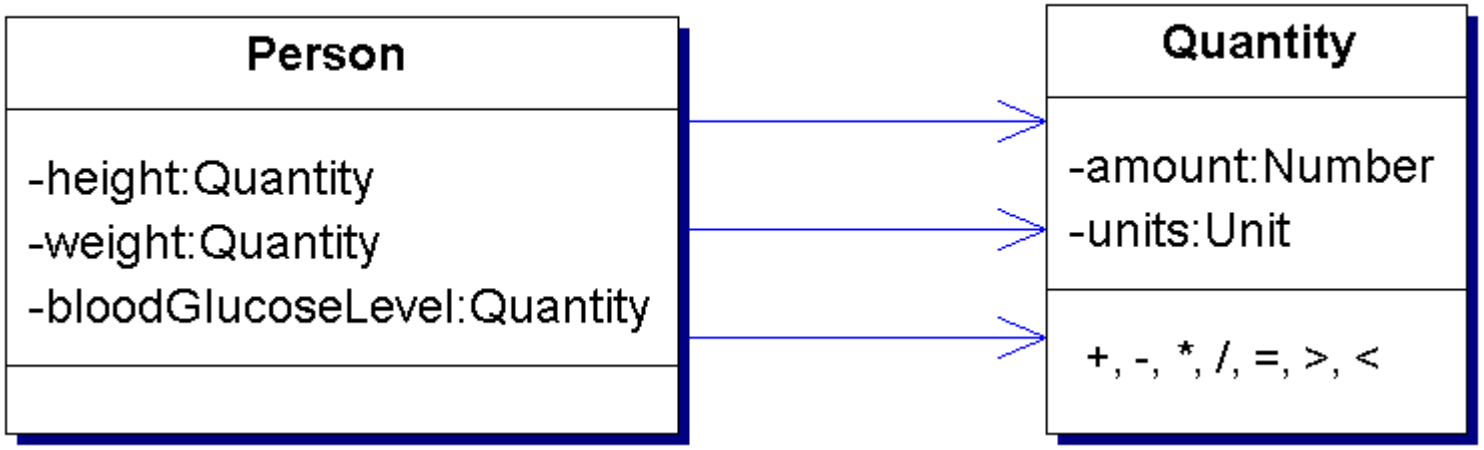
Accountability – Accountability pattern



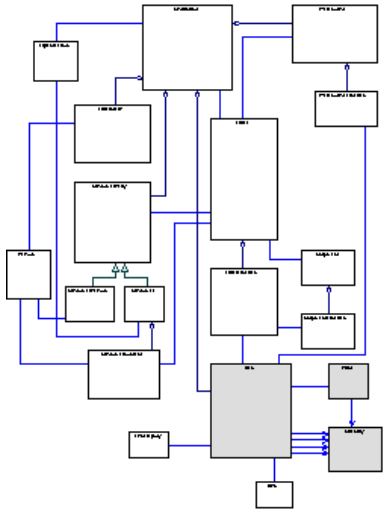


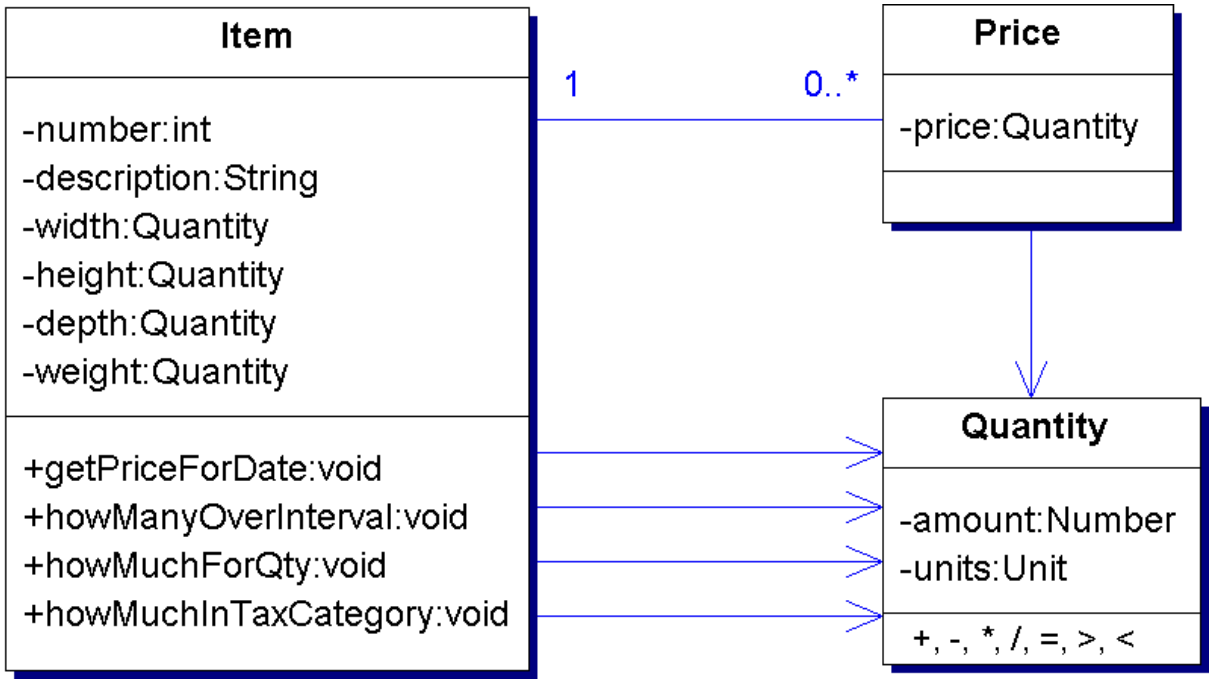
Observations and Measurements – Quantity pattern



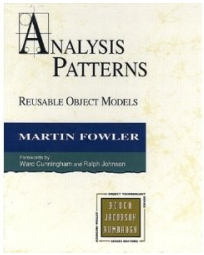


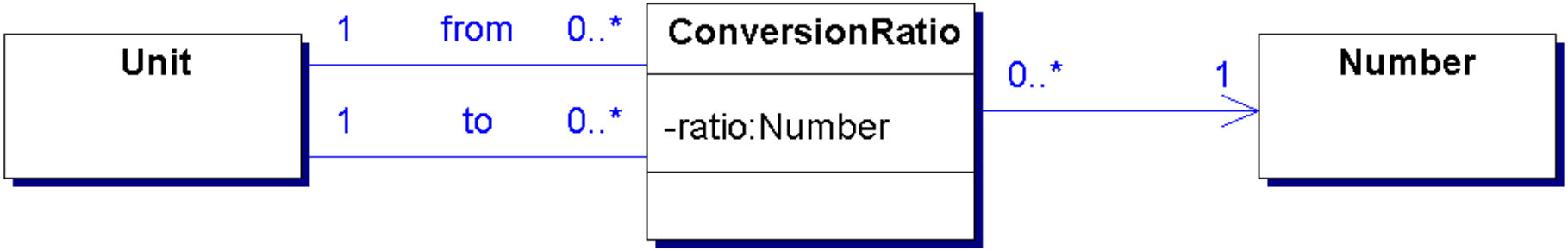
Ollie's Order Center: Quantity pattern



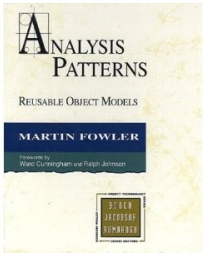


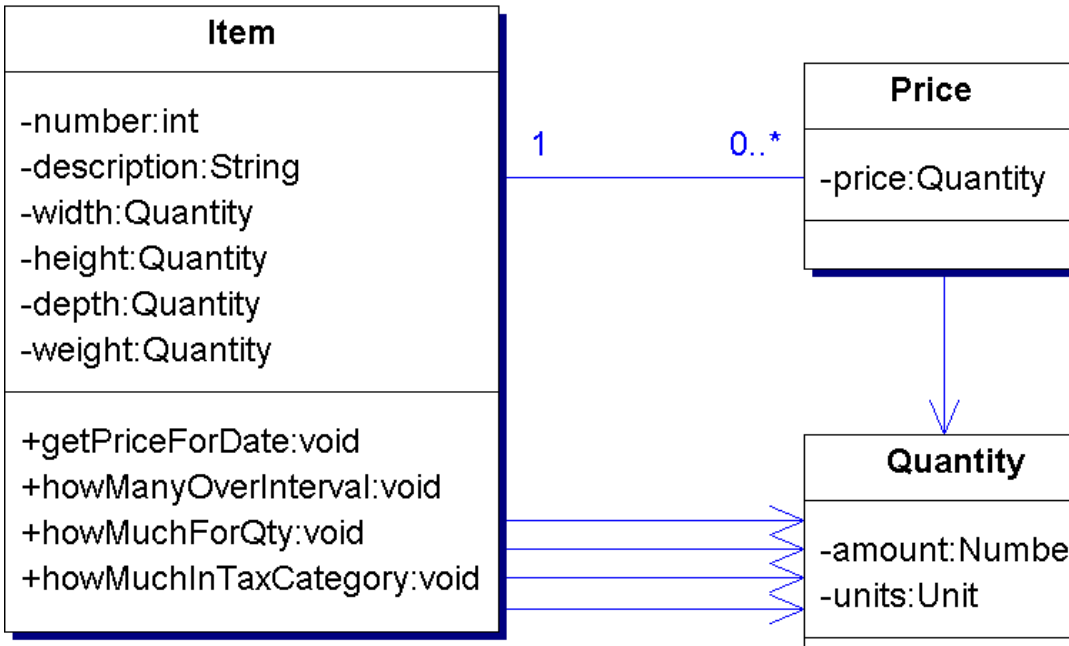
Observations and Measurements – Conversion Ratio pattern

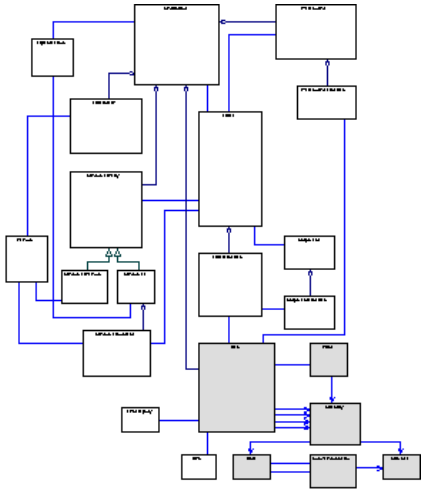




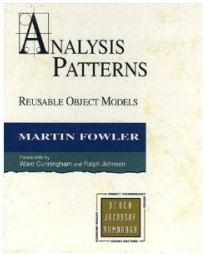
Ollie's Order Center: Conversion Ratio pattern

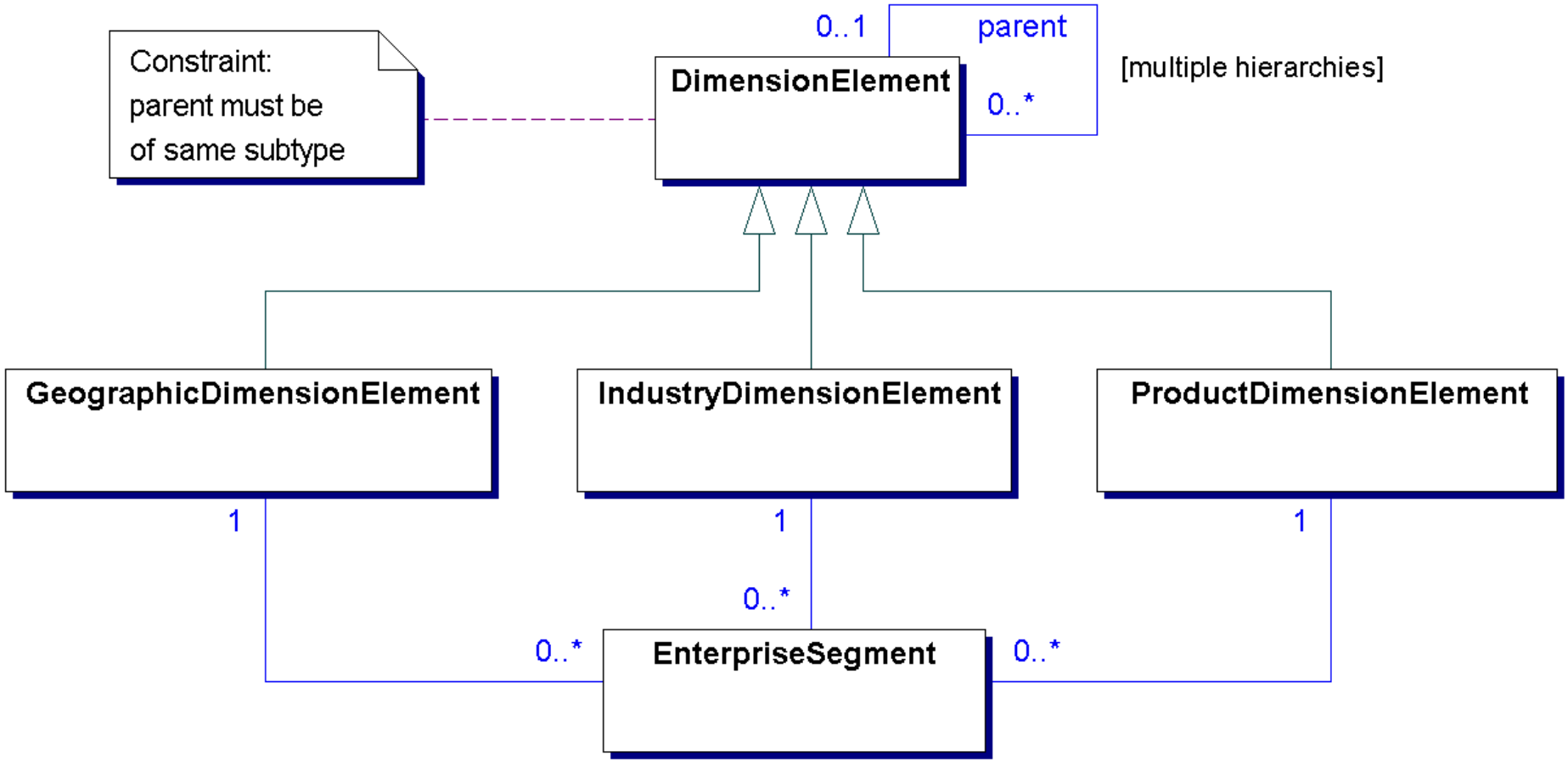




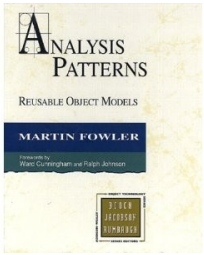


Observations for Corporate Finance – Enterprise Segment pattern

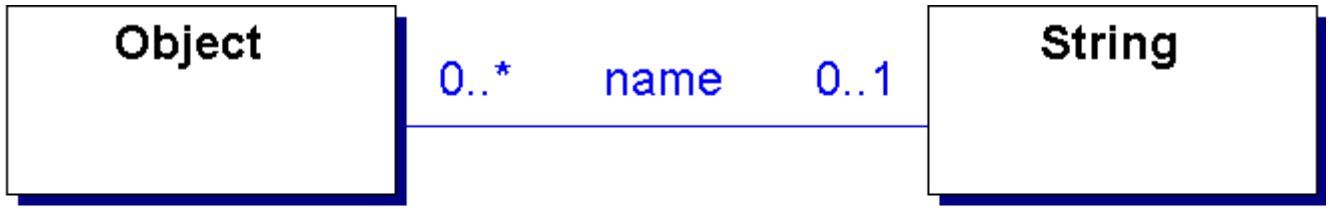




Referring to Objects – Name pattern



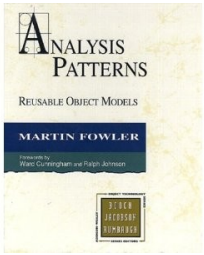
One name:

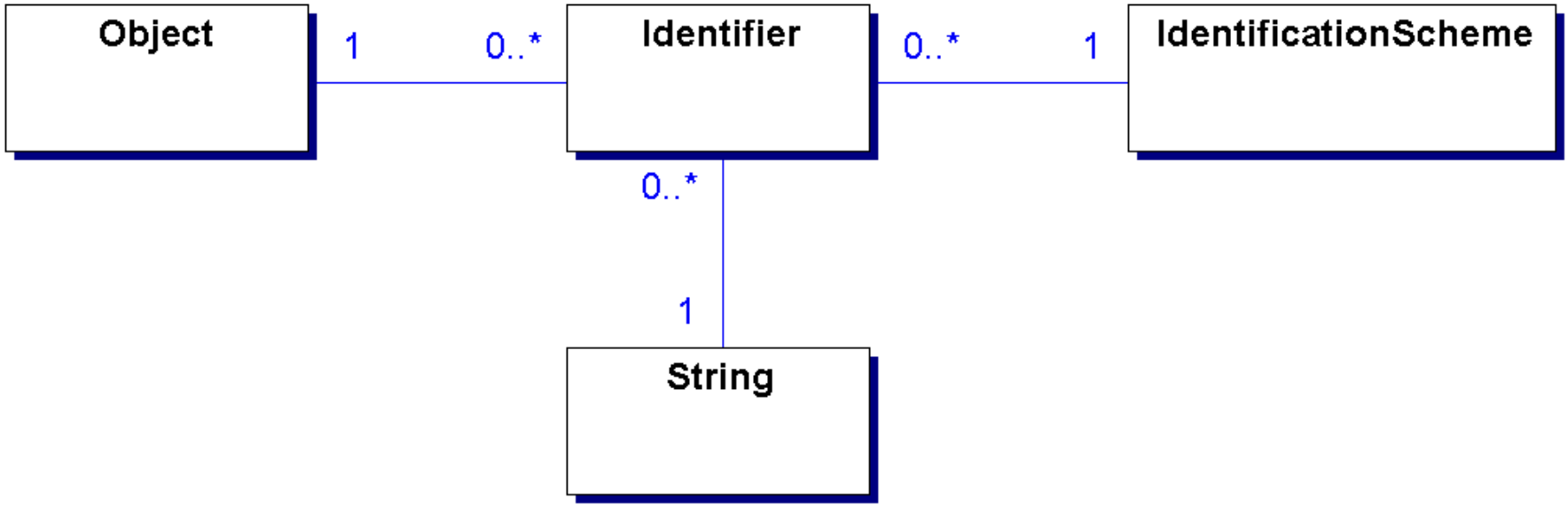


More names:

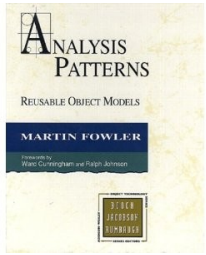
Identifier:

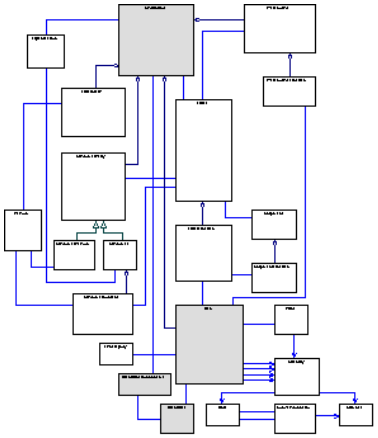
Referring to Objects – Identification Scheme pattern

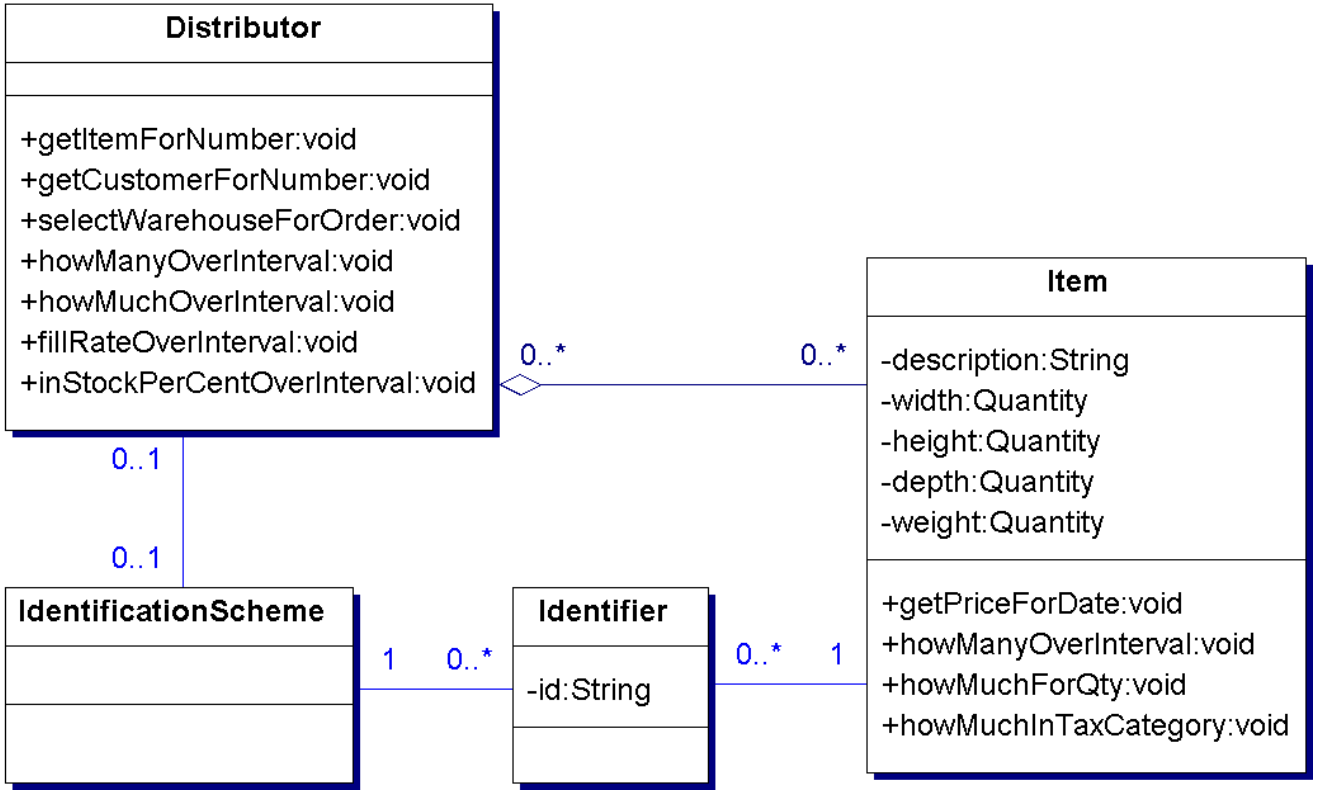




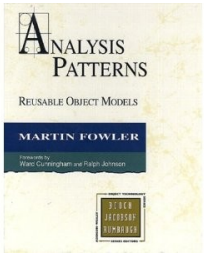
Ollie's Order Center: Identification Scheme pattern

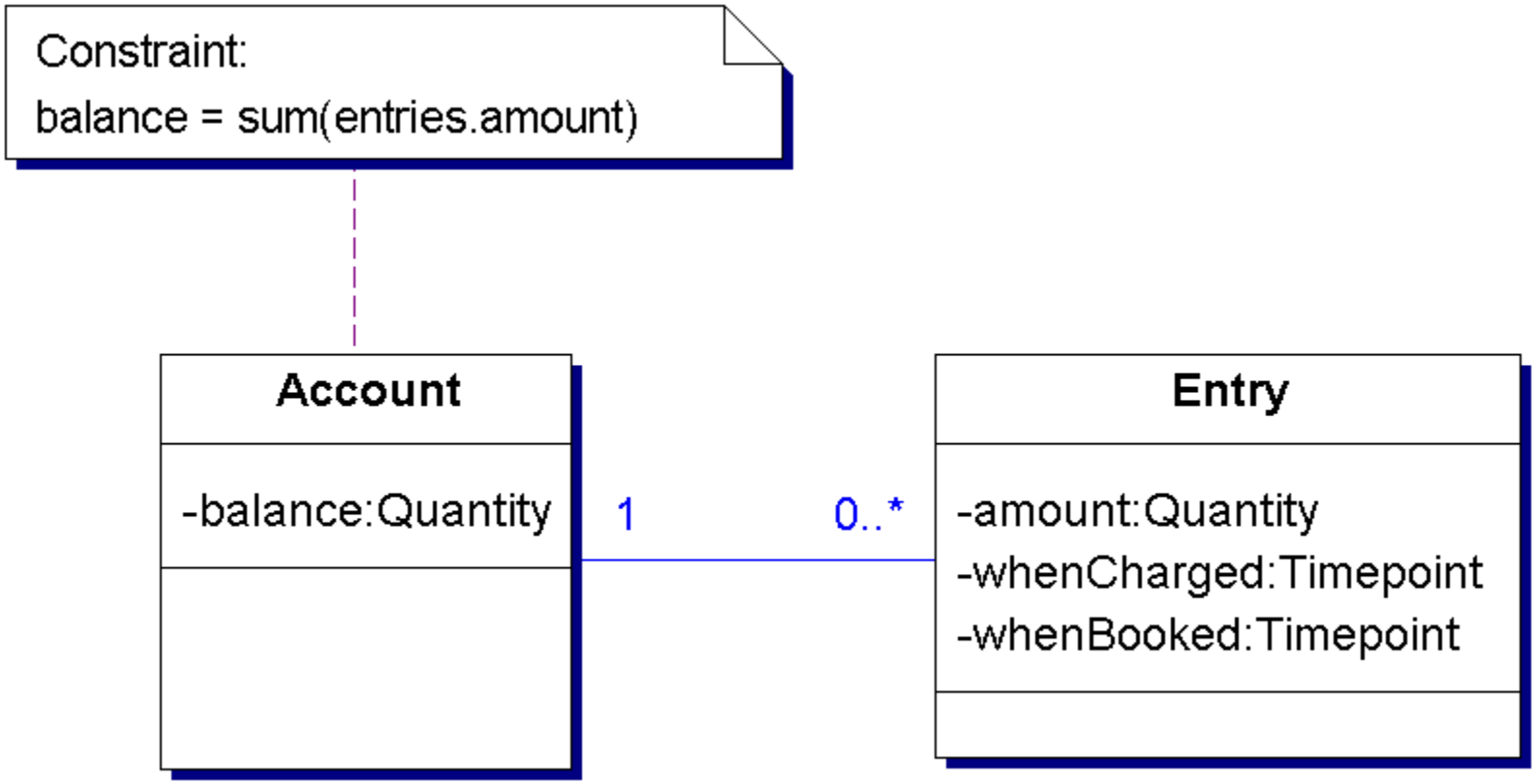




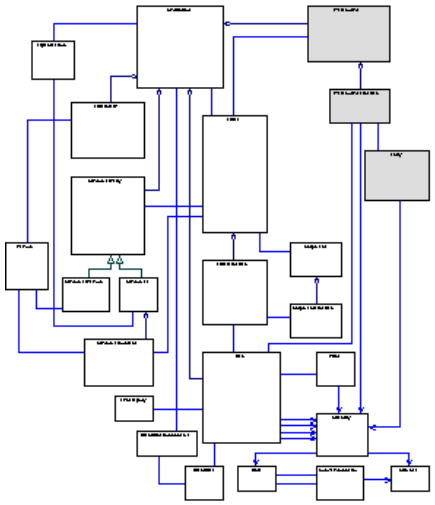


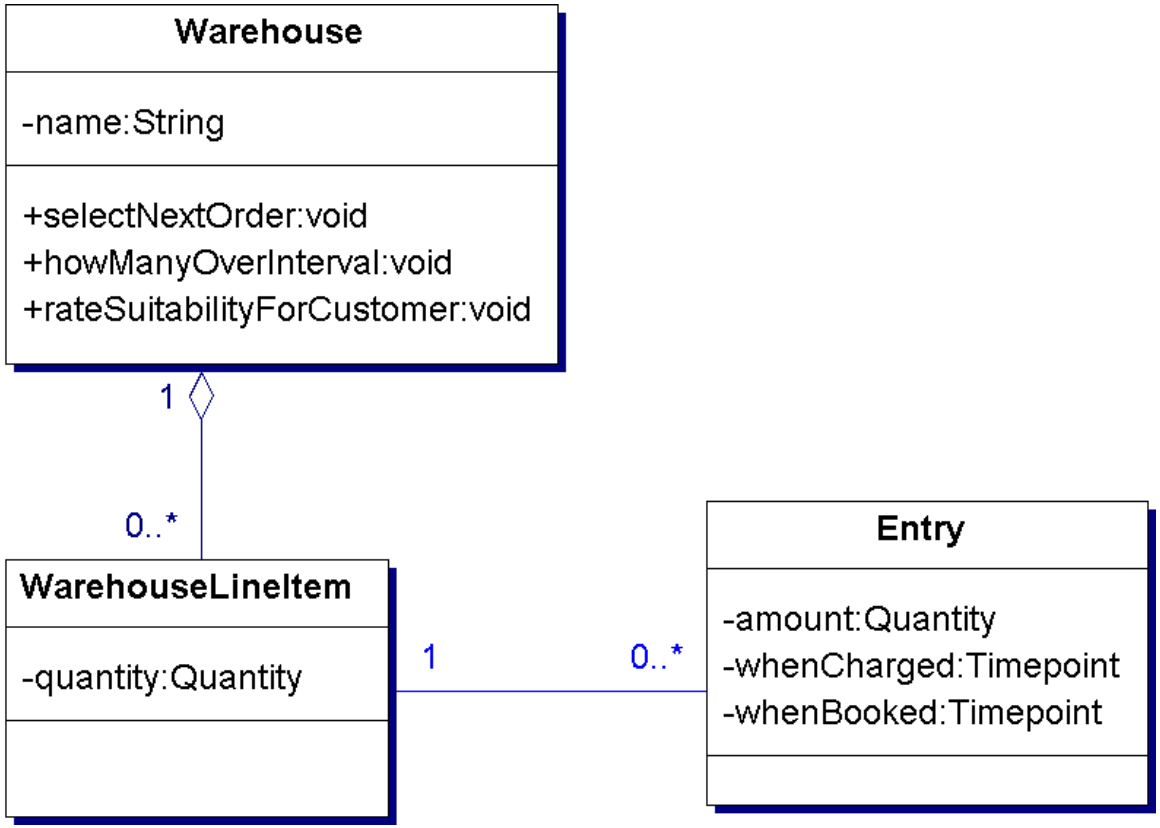
Inventory and Accounting – Account pattern



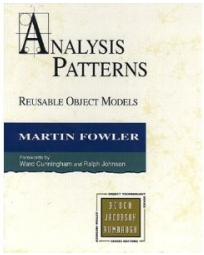


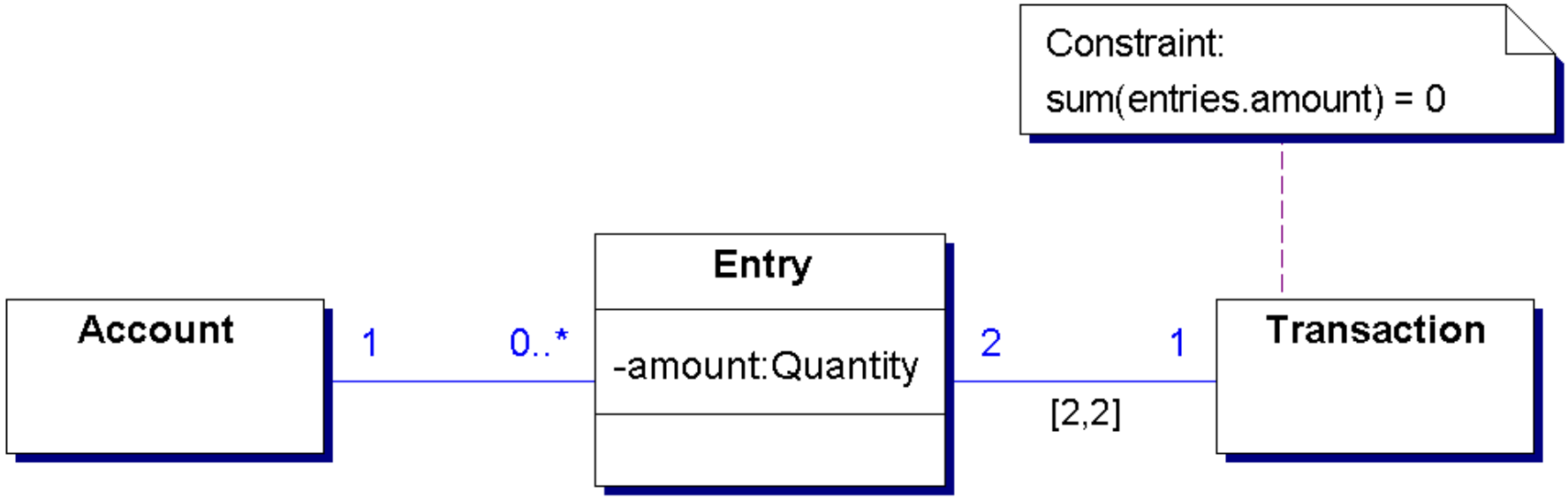
Ollie's Order Center: Account pattern



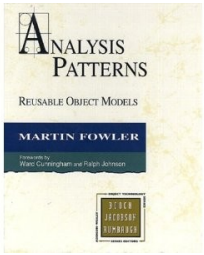


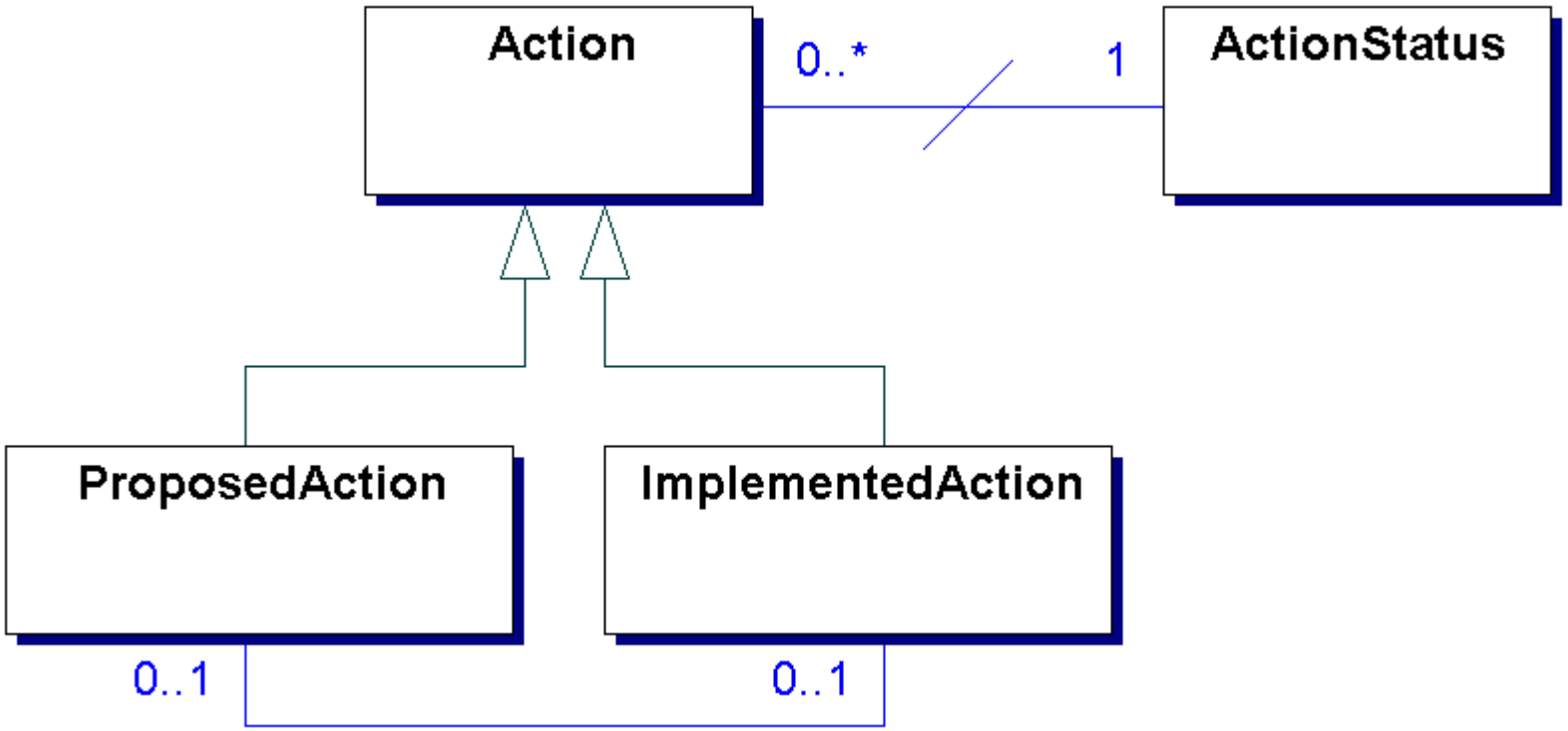
Inventory and Accounting – Transactions pattern



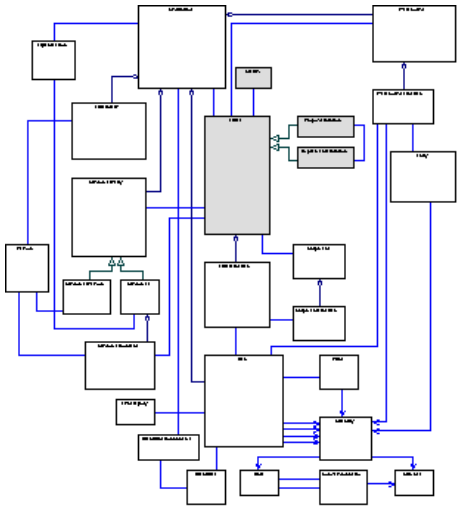


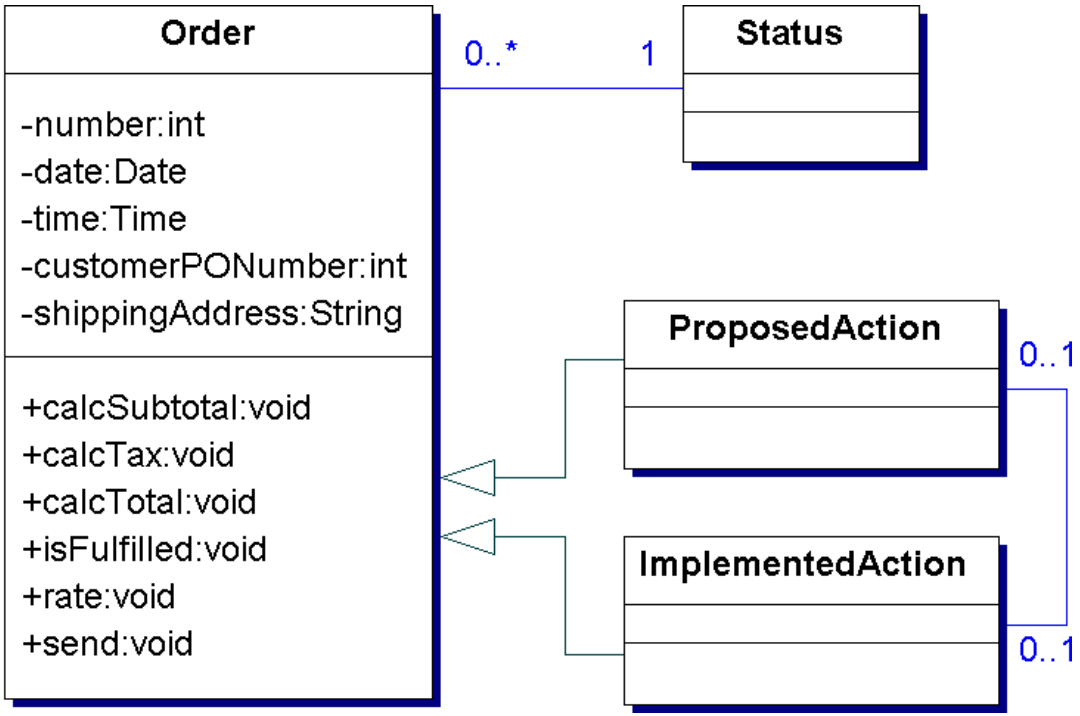
Planning – Proposed and Implemented Action pattern



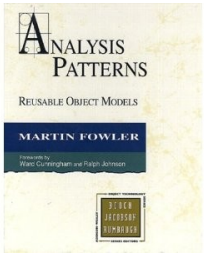


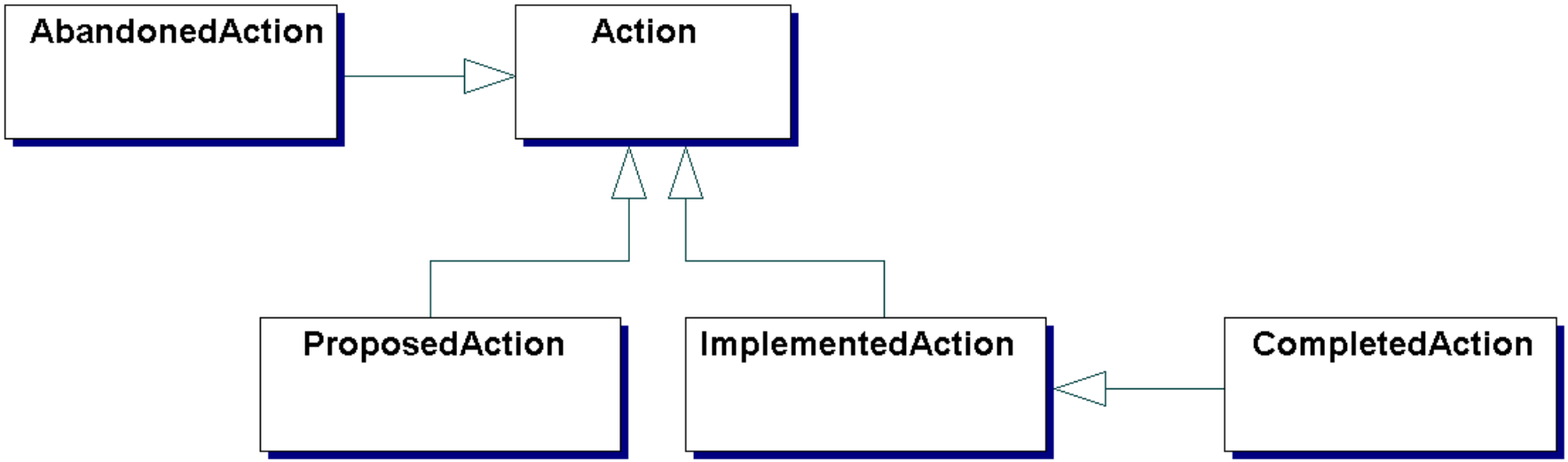
Ollie's Order Center: Proposed and Implemented Action pattern



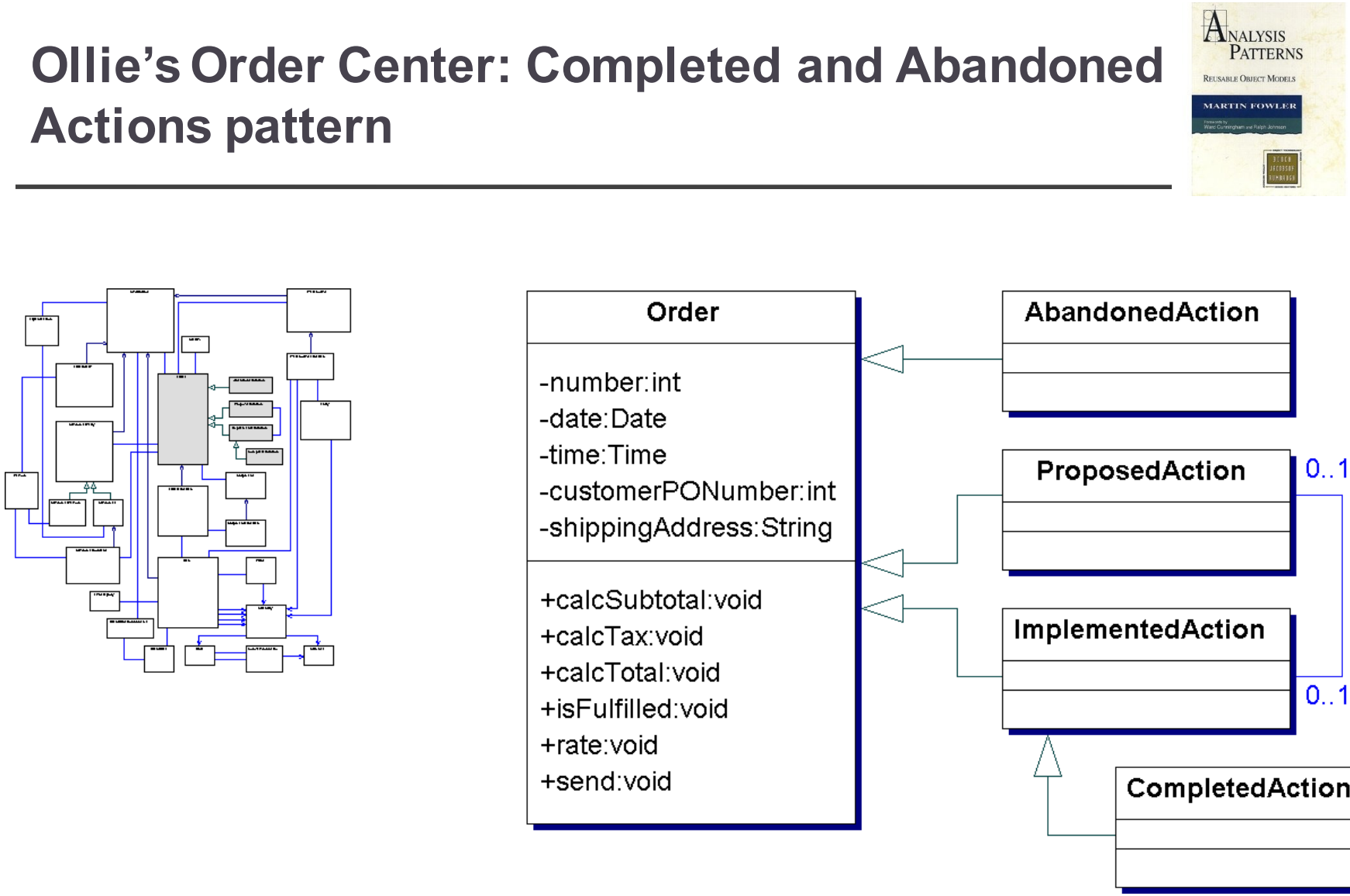


Planning – Completed and Abandoned Actions pattern

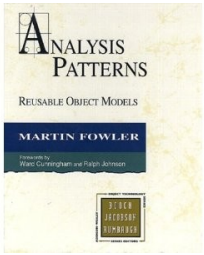


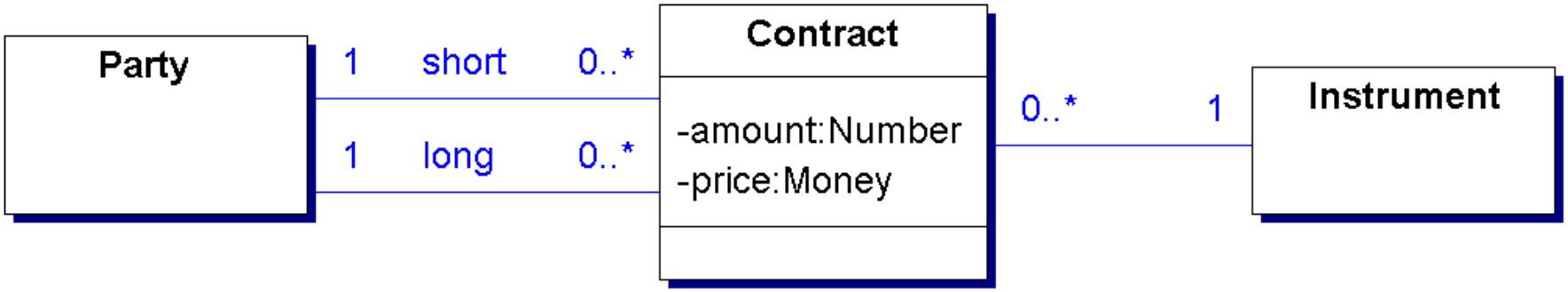


Ollie's Order Center: Completed and Abandoned Actions pattern

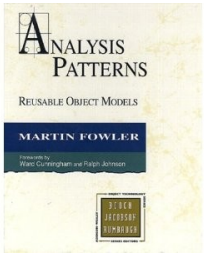


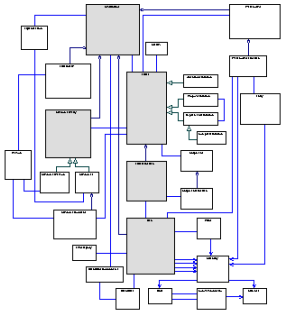
Trading – Contract pattern

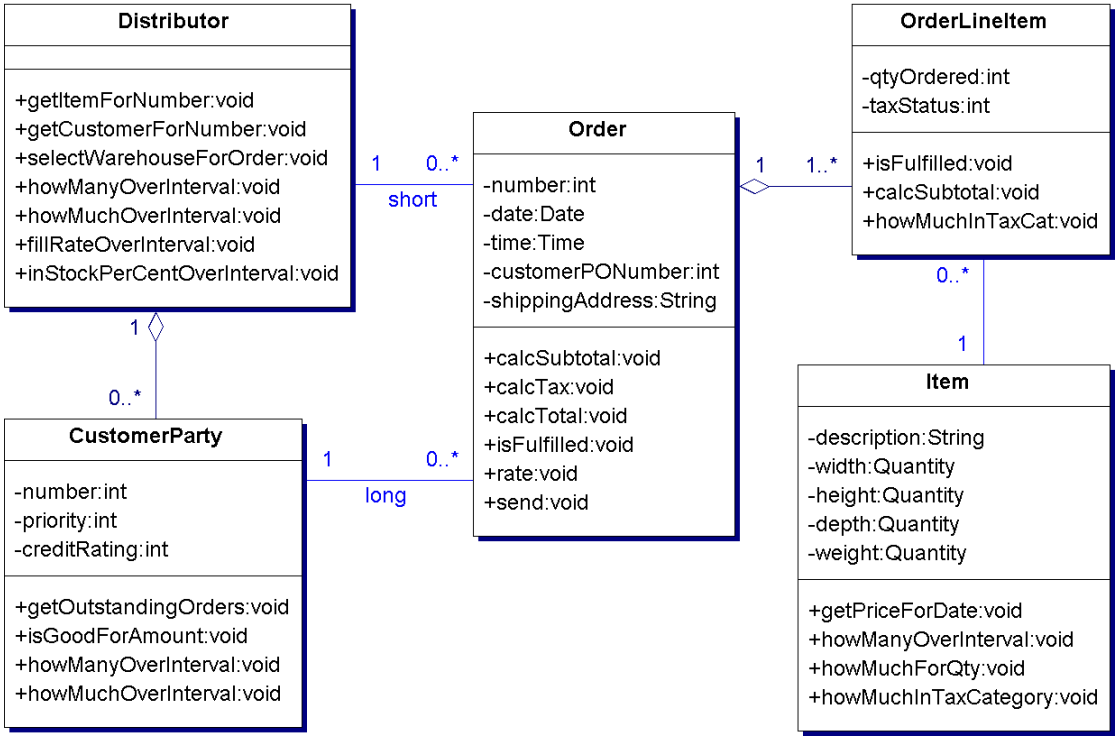




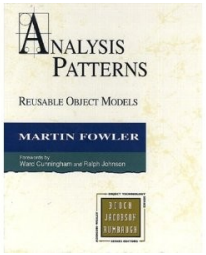
Ollie's Order Center: Contract pattern

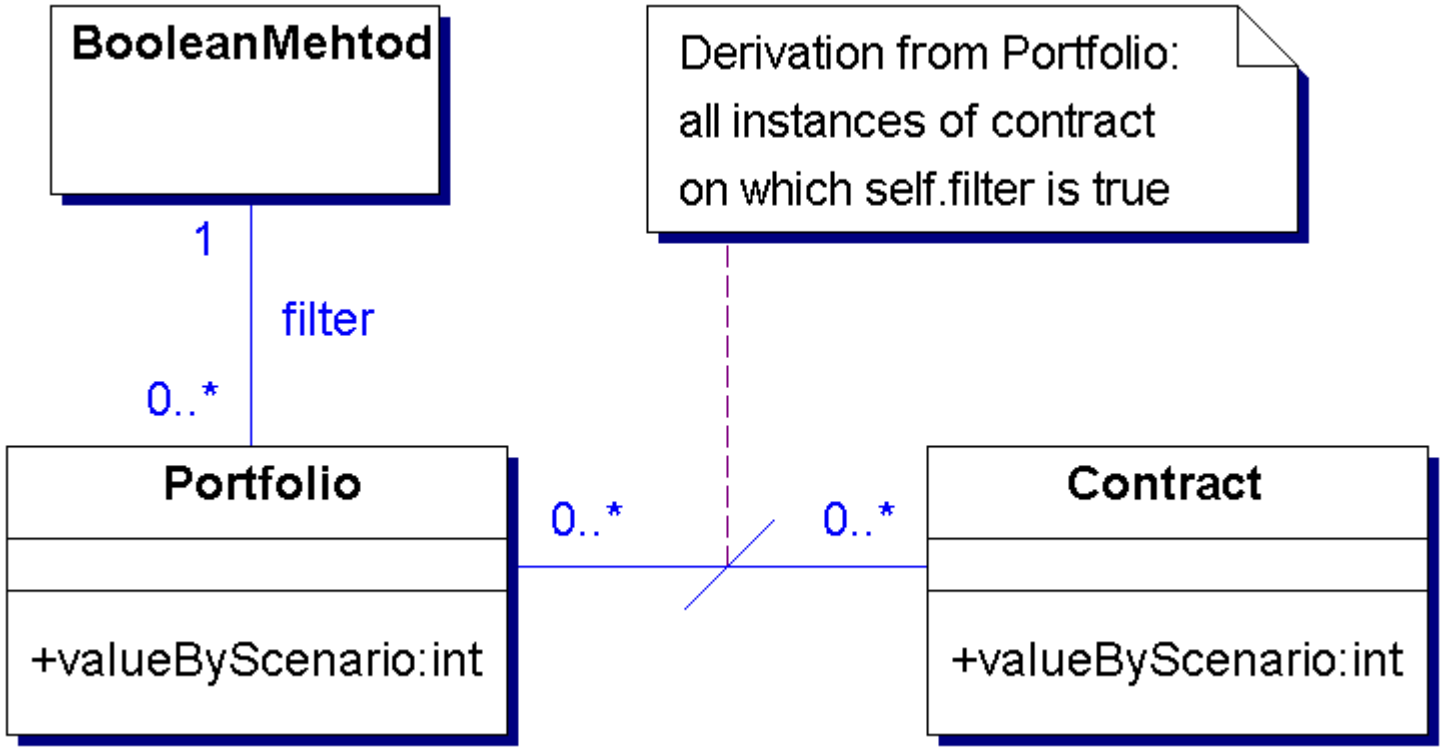




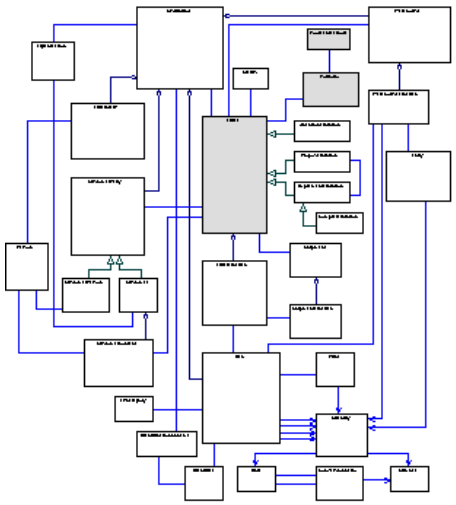


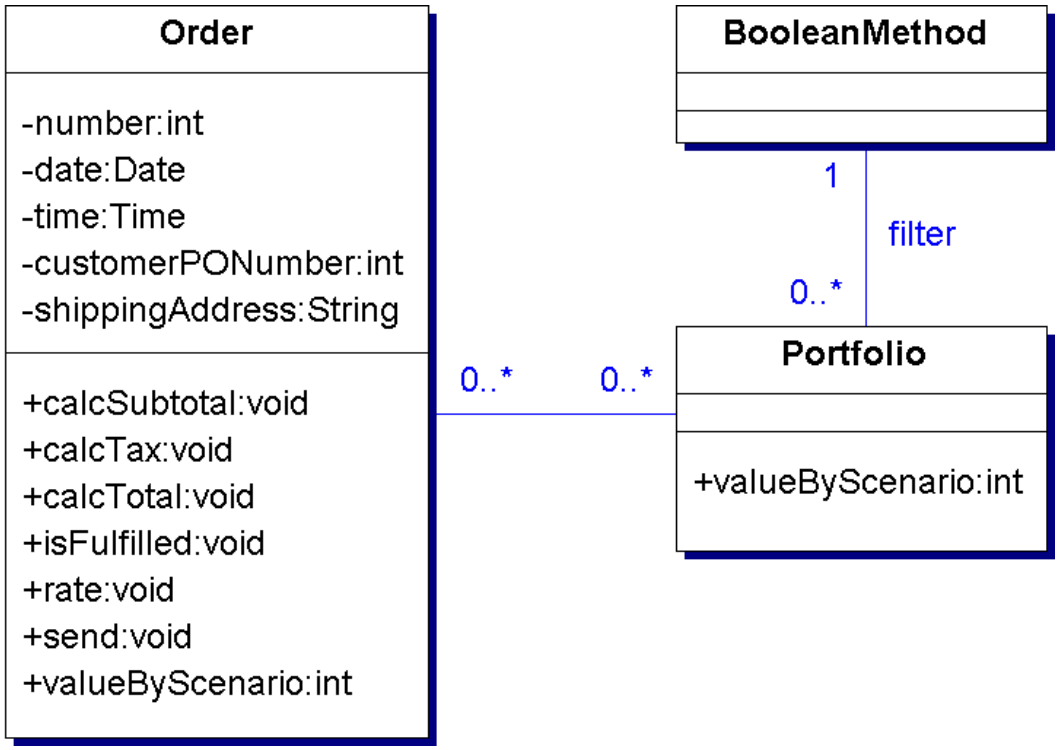
Trading – Portfolio pattern



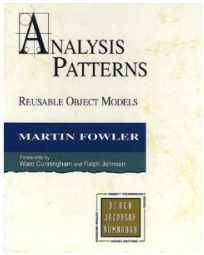


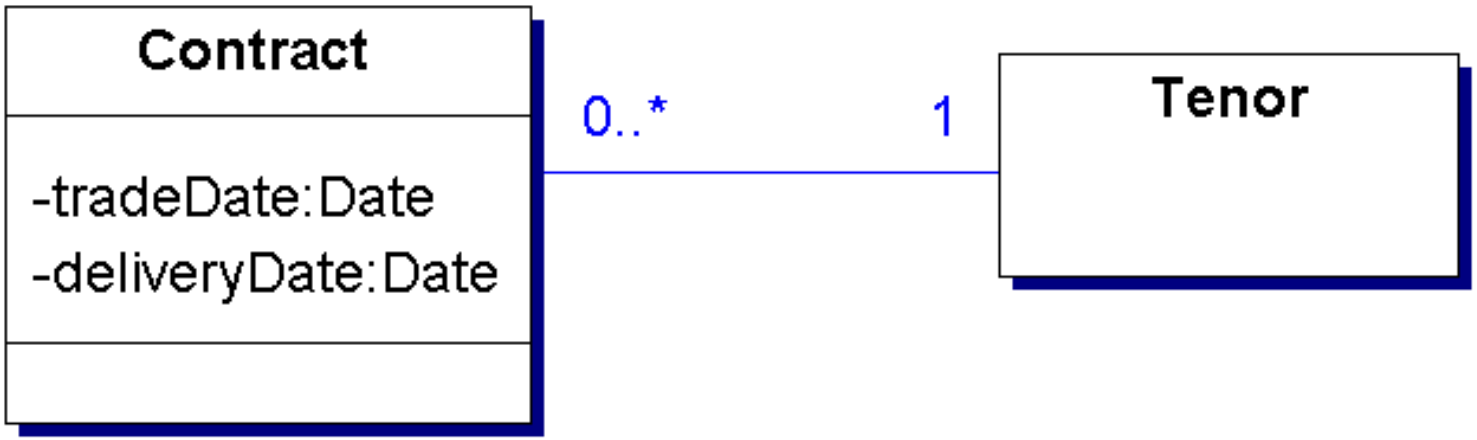
Ollie's Order Center: Portfolio pattern



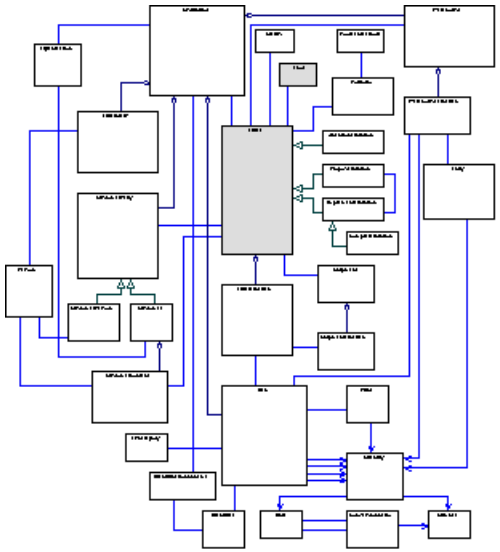


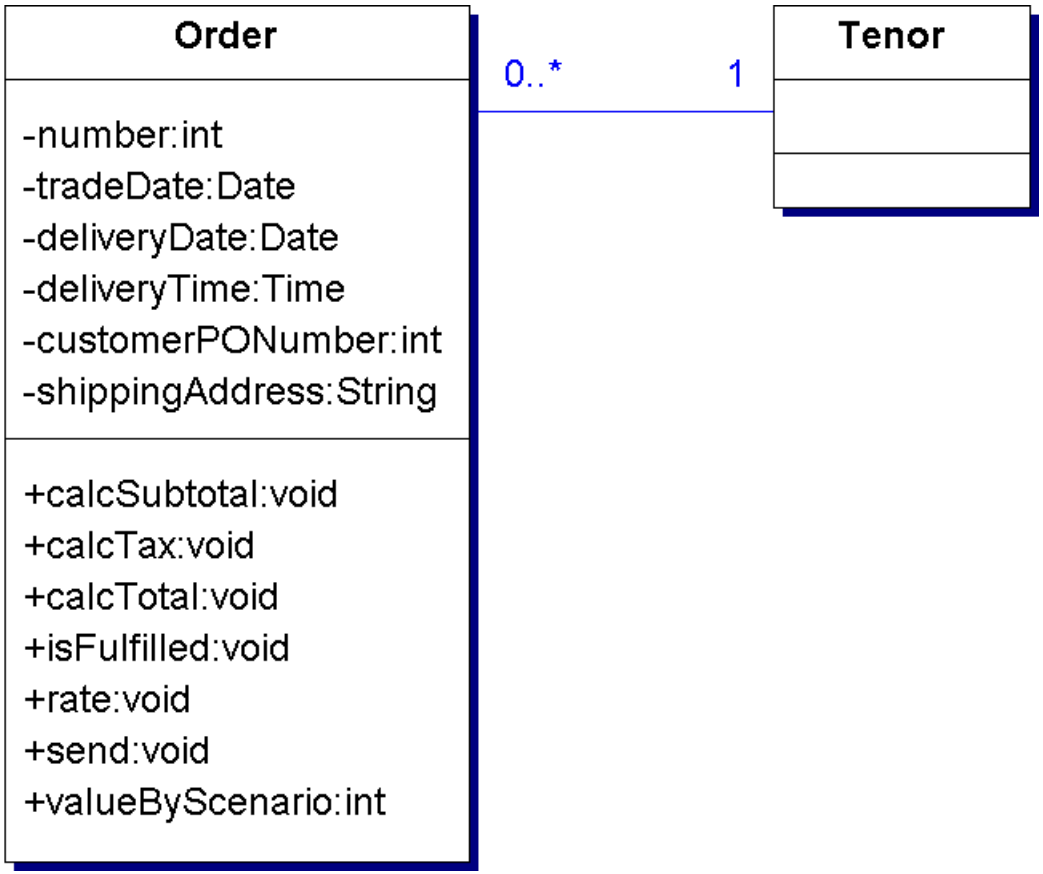
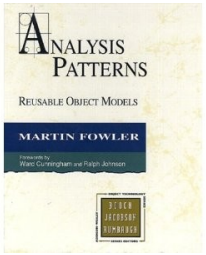
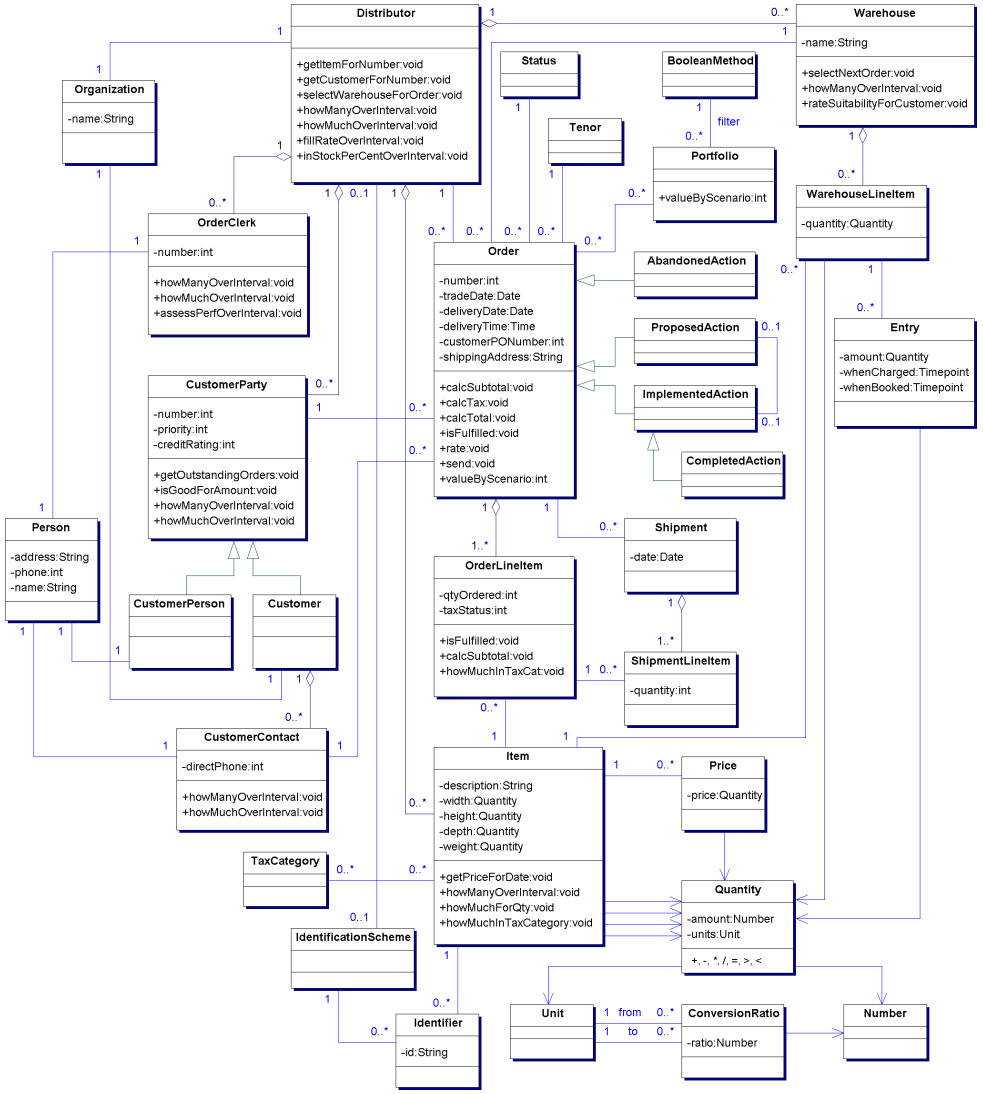
Derivative Contracts – Forward Contracts pattern





Ollie's Order Center: Forward Contracts pattern





Ollie's Order Center after patterns inclusion