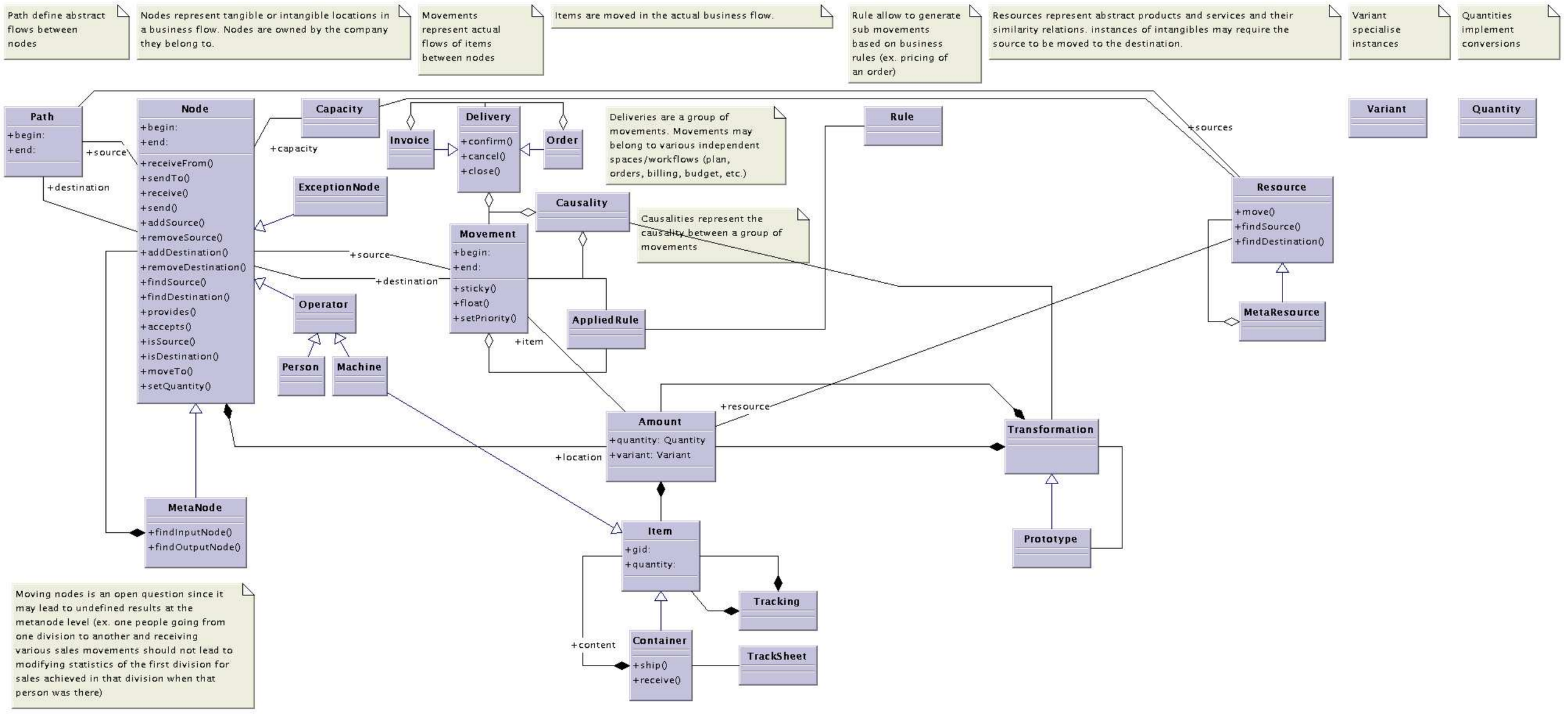
Path define abstract flows between nodes
Nodes represent tangible or intangible locations in a business flow. Nodes are owned by the company they belong to.
Movements represent actual flows of items between nodes
Items are moved in the actual business flow.
Rule allow to generate sub movements based on business rules (ex. pricing of an order)
Resources represent abstract products and services and their similarity relations. instances of intangibles may require the source to be moved to the destination.
Variant specialise instances
Quantities implement conversions
Path
+begin:
+end:
Node
+begin:
+end:
+receiveFrom()
+sendTo()
+receive()
+send()
+addSource()
+removeSource()
+addDestination()
+removeDestination()
+findSource()
+findDestination()
+provides()
+accepts()
+isSource()
+isDestination()
+moveTo()
+setQuantity()
Capacity
Invoice
Delivery
+confirm()
+cancel()
+close()
Order
Deliveries are a group of movements. Movements may belong to various independent spaces/workflows (plan, orders, billing, budget, etc.)
Rule
Variant
Quantity
+source
+destination
+capacity
+sources
ExceptionNode
Causality
Causalities represent the causality between a group of movements
Movement
+begin:
+end:
+sticky()
+float()
+setPriority()
Resource
+move()
+findSource()
+findDestination()
MetaResource
Operator
AppliedRule
+item
Person
Machine
+resource
Amount
+quantity: Quantity
+variant: Variant
+location
Transformation
MetaNode
+findInputNode()
+findOutputNode()
Item
+gid:
+quantity:
Prototype
Tracking
+content
Container
+ship()
+receive()
TrackSheet
Moving nodes is an open question since it may lead to undefined results at the metanode level (ex. one people going from one division to another and receiving various sales movements should not lead to modifying statistics of the first division for sales achieved in that division when that person was there)