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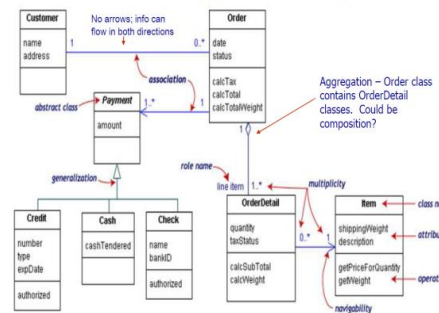
关联指南

- 集中于那些关联信息需要持久保持的关联
- 标示概念类比标示关联更重要**
- 太多的关联会导致领域模型变得混乱，难以理解，发现关联需要消耗大量的时间，但获益较少
- 避免显示冗余或者可推导出的关联**

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Order与Item之间是什么关系？Customer与Payment之间呢？



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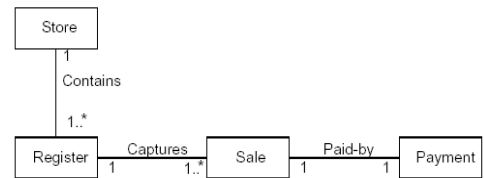
角色

- 每个关联的终端称为角色
- 角色可选择性添加名字，重数和导航方向等信息

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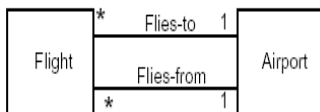
关联的命名



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类型间的多重关联



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关联和实现

- 在领域建模阶段，关联不是软件解决方案中的数据流，实体变量或对象连接；
- 关联仅为一种纯概念层面的有价值的关系的描述。

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实例

- 下面的关联是来自某个目标用例
- Register Records Sale: To know the current sale, generate a total, print a receipt.
- Sale Paid-by Payment: To know if the sale has been paid, relate the amount tendered to the sale total, and print a receipt.
- ProductCatalog Records ProductionSpecification: To retrieve an ProductSpecification.

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| Category | System |
|-----------------------------------|----------------------------------|
| A is a physical part of B | Register — CashDrawer |
| A is a logical part of B | SalesLineItem — Sale |
| A is physically contained in/on B | Register — Store Item — Store |

| Category | System |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|
| A is logically contained in B | ProductSpecification — ProductCatalog ProductCatalog — Store |
| A is a description for B | ProductSpecification — Item |
| A is a line item of a transaction or report B | SalesLineItem — Sale |
| A is logged/recorded/reported/captured in B | CompletedSales — Store CurrentSale — Register |
| A is a member of B | Cashier — Store |
| A is an organizational subunit of B | not applicable |
| A uses or manages B | Cashier — Register Manager — Register Manager — Cashier, but probably not applicable. |
| A communicates with B | Customer — Cashier |
| A is related to a transaction B | Customer — Payment Cashier — Payment |
| A is a transaction related to another transaction B | Payment — Sale |
| A is next to B | SalesLineItem — SalesLineItem |
| A is owned by B | Register — Store |

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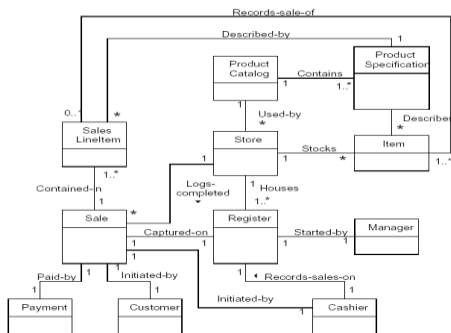


Figure 11.8 A partial domain model.

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| Association | Discussion |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Sale Entered-by Cashier</i> | The requirements do not indicate a need-to-know or record the current cashier. Also, it is derivable if the <i>Register Used-by Cashier</i> association is present. |
| <i>Register Used-by Cashier</i> | The requirements do not indicate a need-to-know or record the current cashier. |
| <i>Register Started-by Manager</i> | The requirements do not indicate a need-to-know or record the manager who starts up a <i>Register</i> . |
| <i>Sale Initiated-by Customer</i> | The requirements do not indicate a need-to-know or record the current customer who initiates a sale. |
| <i>Store Stocks Item</i> | The requirements do not indicate a need-to-know or maintain inventory information. |
| <i>SalesLineItem Records-sale-of Item</i> | The requirements do not indicate a need-to-know or maintain inventory information. |

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