UML Class Diagrams
Order

- dateReceived
- isPrepaid
- number : String
- price : Money

- dispatch()
- close()

Multiplicity: mandatory

Customer

- name
- address
- creditRating() : String

Corporate Customer

- contactName
- creditRating
- creditLimit

- remind()
- billForMonth(Integer)

Order Line

- quantity : Integer
- price : Money
- isSatisfied : Boolean

- line items

Multiplicity: Many-valued

Employee

- sales rep

Product

- 1

Multiplicity: optional

Constraint

- 1
- [if Order.customer.creditRating is "poor," then Order.isPrepaid must be true]
**Order**

- `dateReceived`
- `isPrepaid`
- `number : String`
- `price : Money`
- `dispatch()`
- `close()`

**Customer**

- `name`
- `address`
- `creditRating() : String`

**Corporate Customer**

- `contactName`
- `creditRating`
- `creditLimit`
- `remind()`
- `billForMonth(Integer)`

**Personal Customer**

- `creditCard#`

**Order Line**

- `quantity : Integer`
- `price : Money`
- `isSatisfied : Boolean`

**Employee**

**Product**

**Navigability**

- 1
- {if Order.customer.creditRating is “poor,” then Order.isPrepaid must be true]
Abstract class

Window {abstract}

toFront()
toBack()

Windows Window

toFront()
toBack()

X11 Window

toFront()
toBack()

Mac Window

toFront()
toBack()
Template Class

Set T

insert(T)
remove(T)

Set <Employees>