BUSINESS CLASS MODEL (Draft Version 2)
eProc System
Incorporating a Business Rule

Vendor

Vendor ID
Vendor Name
street address
city
state
zip code
country
rep first name
rep last name
rep email address
rep phone
comments

ItemVendorPrice

Item number
Vendor ID
Price

Item Master

Item number
Item description
Minimum order qty (default = 1)
Effective date (optional)
Preferred vendor (optional)
Comments

PO Header

PO number
Vendor ID
PO date
PO status
PO comment

PO Lines

Line number
Item number
Order Qty
Price
Line comment

Business Rule:
When we purchase an item from a vendor, we use the price the vendor has give us, if it is available. Otherwise, we enter the price.

Example: A buyer creates a PO for Vendor A. Line 1, the buyer chooses Item-X from the Item Master. Our application needs to look in Item-Vendor-Prices by the item number that the buyer selected and the vendor ID from the PO header. If the application finds a price for that Item & Vendor, it displays that price. Otherwise, the buyer must be able to enter a price for line 1, Item-X.