**Assumptions:**

1. The "list of single items" in the *ShoppingCart* is created from a list of products. Therefore a *Product* class is created.

2. To be able to produce the *ShoppingCard*, the **"** *unsorted list of single items* **"** is assumed to contain a "*ProductId*" for each selected item by the shopper.

3. Pricing Rules are implemented in the following manner:

3.a ) During the checkout process, a *PricingRule#* is entered for a selected item/product. *PricingRule*# may conform to some numbering system,

3.b) The *PricingRule* returns the discount in 'set dollar amount' or 'calculated dollar amount'. For example, if a *PricingRule* contains "25% discount", it returns $2.50 for the price of $10 of an item, and another contains "Buy 3 for $2.00" will return $2.00.