

## Glossary

- **Admin** - the system's head User. In charge of keeping operations intact.
- **Appointment** - the process of appointing a User to become a StoreManager or StoreOwner.
- **Basket** - Will hold buyer's products for a specific store. Every buyer has a specific basket for every given store.
- **Cart** - Keep a collection of baskets for a buyer. Each buyer has one cart.
- **CompositeDiscount** - Defines a discount composed of several other discounts and a logic operation. Is applied upon condition of other discount predicates. For example using logic operation and: if user buys has 20 percent discount on diapers and 10 percent on baby wipes user can receive an additional 20 percent discount.
- **ConditionalProductDiscount** - Defines a discount that is applied to a product upon the condition that the user is buying a certain amount of another product.
- **ConditionalStoreDiscount** - Defines an additional discount that is applied to a store when a user's basket price surpasses the defined amount.
- **DiscountPolicy** - Defines who may receive the discount, for which products and under what conditions, at the time of purchase by a store buyer
- **DiscountType** - defines how the discount is expressed for any product.
- **Inventory** - a list of products and their quantities. Each store upholds its own inventory.
- **PaymentSystem** - External Payment collection system. Responsible for the transfer of payments between buyer and seller after a transaction is made.
- **Product** - Anything a store sells.
- **Purchase**- An object representing a store-user transaction. It will include, among other things, user information, store information, products in the transaction and the transaction serial number.
- **PurchaseProductPolicy** - Defines a constraint applied to a specific product in the store when the user buys it.

- **PurchaseStorePolicy** - Defines a constraint applied to a store when the user purchases from the store.
- **PurchaseCompositePolicy** - Defines a constraint applied when a user purchases products from a store. The constraint is composed of other policies defined above.
- **RegisteredUser** - An object that represents a user with existing information in the system, that is, a user who went through the registration process. This type of user has unique behaviors and can include becoming an administrator, store manager, store owner and more.
- **Registration** - the process of adding a User to the system.
- **SalePolicy** - Defines who is allowed to buy products at the store, which are the possible purchase routes and what rules apply to them
- **SaleType** - Immediate purchase, where the user is required to pay stated price for the product.
- **ShipmentSystem** - External Shipment collection system. Responsible for the deliveries between buyer and seller.
- **Store** - Where merchandise is sold bought
- **StoreManager** - Appointed by the store owner and given permissions to perform store operations.
- **StoresManager** - Service-Layer interface to perform the upkeep of stores in the system.
- **StoreOwner** - User who has opened a store.
- **SystemInitiation** - The system reboot process. Among other things, the connections to the external systems will be rebooted, creating a user that becomes an admin.
- **User** - a person using the system.
- **UsersManager** - Service-Layer interface to perform the upkeep of users in the system.

- **Visible Discount** - Consists of a discount percentage and a discount duration.  
Buyers see all the details of the product and discount including discount end time and product price without discount.