Glossary:

1. System Entities:

**Marketplace** is a system that allows a trading infrastructure between [buyers](#Buyer) and [sellers](#Seller). The system is composed of a collection of [shops](#Shop).

**Shop** contains identifying details and a selection of [products](#Product) available for purchase.

**Product** offered for sale in a [shop](#Shop). Similar [products](#Product) could be sold by various [shops](#Shop).

**Shopping Cart is** associated uniquely to a [buyer](#Buyer) and is composed of his various [shopping bags](#Shopping_bag).

**Shopping bag**  is a list of [products](#Product) which the [buyer](#Buyer) is interested in purchasing from a specific [shop](#Shop). A [buyer](#Buyer) has at most one [shopping bag](#Shopping_bag) per shop.

**External service** is the system’s interface that enables communication with some third part system.

**Notification** can be sent to a [member](#Member) following the satisfaction of some predefined conditions in the [system](#Marketplace).

**Real-Time notification** is a [notification](#Notification) that is sent immediately to a [member](#Member) that is currently [logged in](#Login).

**Delayed notification** is a [notification](#Notification) that is sent to a [member](#Member) that is currently [logged out](#Logout).

The notification will be stored and upon [logging in](#Login) it will be displayed to the member**.**

1. System Users:

**User** is a general term for a client of the market. A User can be a ‘[Guest](#Guest)’ or ‘[Member](#Member)’.

**Member** is a [user](#User) that [signed up](#Registration) to the [system](#Marketplace). A Member can be [logged in](#Login) or out of the system. Each member has his own [shopping-cart](#Shopping_Cart).

**Guest** is a [user](#User) that hasn’t [logged into](#Login) the [system](#Marketplace).

**Registration** is the creation of a member-account to the [system](#Marketplace) by entering his personal details and choosing a username and password for identification during the [login](#Login) process.

**Login** is the identification of a [Guest](#Guest) using his username and password. In the end of the [login](#Login) process, the [user](#User) becomes a [member](#Member).

**Logout** is an action of a [member](#Member) that changes his identification in the [system](#Marketplace) back to a [guest](#Guest). After [logging out](#Logout), the [shopping cart](#Shopping_Cart) of the member is saved for the next time [he logs in](#Login).

**Shop-Founder** is a [member](#Member) that opened a [shop](#Shop) in the [system](#Marketplace). A founder can appoint [shop-owners](#Shop_Owner) and [shop-managers](#Shop_Manager) for his shop. Also, he can define a [purchase-policy](#Purchase_policy) for the shop, manage the [products’](#Product) stock and define a [discount-policy](#Discount_policy). A Founder can close and reopen his shop.

**Shop-Owner** has the same authorization of a [Founder](#Shop_Founder), but he is appointed by another shop-owner.

**Shop-Manager is** appointed by a [Founder](#Shop_Founder)\[Owner](#Shop_Owner). His management permissions are provided to him by a [shop-owner](#Shop_Owner) of the [shop](#Shop).

**System-Admin** is a [member](#Member) whose purpose is to maintain legal and fair trade within the [system](#Marketplace) and ensure its proper activity.

**Seller** is a general term for [shop Founder](#Seller)\[Owner](#Shop_Owner)\[Manager](#Shop_Manager).

**Buyer** is a [user](#User) of the [system](#Marketplace) that has completed a purchase in one or more [shops](#Shop).

1. Purchase policy:

Define who can buy [products](#Product) in the [shop](#Shop), what are the optional purchasing possibilities, and what are the rules that apply to them. A purchase policy can be defined for a shop and could apply on products and [buyers](#Buyer) individually or together.

1. Discount policy:

Define who is eligible to receive a discount, what are the discount types and what are the rules that apply to them. A discount policy can be defined for a [shop](#Shop) and could apply on [products](#Product) and [buyers](#Buyer) individually or together.