

**Facade-** this is where all the commands get assigned, meaning- his job is to interact with the client code and the subsystems and its used for comfortable interface

**User controller-** component that handles input and coordinates actions within a system and manages user objects

**Guest –** someone who uses the system but isn't registered meaning his actions will be limited

**Member –** someone that uses the system and is registered meaning he have more options and actions (open store, saving shopping cart etc.)

**Store owner –** registered user who owns a store.

**Store creator-** registered user who created the store.

**Store manager-** registered user who manages the store.

**Shopping cart-** collection of product baskets that a user\guest is interesting to buy.

**Basket-** collection of products that a user\guest is interesting to buy.

**Supplement system-** external service that provides products for the store in the system.

**Payment system-** external service that handles the payment for the store in the system.

**Purchase policy-** rules to describe the purchasing options- min/max quantity, whom allowed to buy etc.

**Discount –** rules that defines a numeric value to be subtracted from the total price of the order, on certain aspects in the order, such as category, products, etc.

**Product Filter –** filter products by given parameters.

**DB Connector –** manages all connections and requests from the database.

**History-** saves the former orderings.

**Bid-** buyer applying a bid for the product the bid can be accepted or rejected.

**Instant buy-** the buyer pays the exact price of the product

**Auction-** as long as the selling is still open a buyer can offer a new bid higher than the current bid.

**Lottery-** Buyers can purchase a chance to win the product, provided that the total of their bids does not exceed the price of the product.

**Visible discount-** built from discount percentage and duration can be applied to one product or group of them.

**Conditional discount-** built from discount percentage, duration, and conditions that's the buyers need to hold.

**Hidden discount-** built from discount percentage, duration and discount code only if the code is valid and the buyer will supply it he'll see the price after discount.

**Permission-** defines what is allowed for a client in a specific store.

**AppHistory-** for every store saves the appointments history and hierarchy.