<<interface>>

Notification Pool

This manager contains the notifications

manager, which receives a notification text and

use

use

use

Domain Controller

use

a designated receiver, and attempts to push it to the receiver. If unsuccessful, the domain controller delivers the notification to the user when it logs in.

This package is responsible for the purchases, products, discounts and baskets.

The basket controller is responsible for holding and retrieving users baskets and orders (which are the historic purchase data).

The shop warehouse facade hold information

Basket Controller

\*\*

Notification

Manager

~~use~~Shop Warehouse Facade

\*

use

use

Store Controller use

Shop

Management Controller

Delivery Handler Payment Handler

use

Account Controller

Password Handler

regarding all the shops.

Shopping Basket

Order Permissions

The shop warehouse represents each shop, and holds the discount policies and its purchase policies, as well as the products it sells.

The purchase policy handler indicates whether a purchase can be made, according to the shop's policies.

Purchase Policy ~~use~~ Shop Warehouse Handler

<<interface>>

\*

Shop Management

Promotee

isAdmin

Manager

\*

\*

Account

The discount policies is responsible to calculate a product's final price in accordance with the shop's discounts.

The product class holds information regarding the product itself. Each new revision of the product is persistent in the data base, and its

\*

Product

Purchase Type

Lottery Offer Auction Regular

Discount Policies \*

Owners

Promoter

1 .. \*

1

Owner

key is the product's id and the revision id.

The purchase type is an association class for the shop warhouse-product classes. it represents the possible purchase method for the product.

<<Enum>> Category

<<interface>>

Discount

Visible Discount Conditioned Discount

Hidden Discount

This package is responsible for the management of the shop's ownership, management and permissions.

The shop management controller contains and is able to retrieve data regarding shops. The shop management class hold an owner, who is also a manager. This class also sends notifications to managers and owners who need to be notified, in accordance with the requirements.

The permissions class is an association class for the shop management-manager classes. It contains the permissions the manager (who can also be an owner) holds.

This package is responsible for the management and retrieval of account data. The account controller can received hashed passwords and verify that they match their respective user email. In addition, it may provide user information for other classes, such as age, gender, etc.

The account class hold information regarding an account, and contains a flag which indicates whether it is an admin account.