

System

SYSTEM

Description: This website is a consumer-to-consumer platform, for users to open online stores and for other users to shop from them.

System Actors

GENERAL USER/ BUYER

Description: A user of the website. This includes buyers, sellers as well as system administrators. By default, a general user is just buyer with SellerFlag and AdminFlag set as false. If one of these two flag is set true, then this general user also has role of Seller or Admin. A general user can therefore has more than one roles, but a general user must be a buyer.

A general user/buyer can purchase from sellers.

SELLER

Description: A seller has the field SellerFlag set as true. A seller can post products onto the websites, edit or delete his own posts, and see the shipping addresses of the buyers of his products.

SYSTEM ADMINISTRATOR

Description: A system administrator has the privilege of editing the information of any general user, changing any post, deleting a user, etc.

Use Cases

USER REGISTRATION

Description: a user becomes registered on the website
<ol style="list-style-type: none">1. Includes: [User Login]2. The user inputs his or her information, and send to the server3. The server checks if a user with the same name has existed in database4. If not, a new row representing this user is inserted into the user table in database5. The user automatically logged in, after registration during the session

USER LOGIN

Description: a user logs into the website
<ol style="list-style-type: none">1. The user inputs his or her username and password2. The system checks based on the credential the user just puts in, and if the credential is true, the system gives a new session to this users

LOOK UP ALL THE ITEMS AVAILABLE

Description: All the items available are shown to the user
<ol style="list-style-type: none">1. The database returns all the items in the ProductsSelling table, the server send them to the user

SEARCH FOR AN ITEM

Description: Search an item based on keyword
<ol style="list-style-type: none">1. The user inputs a keyword2. The keyword is sent to the server, the database does a query based on the keyword from the ProductsSelling table3. The items that contain this keyword in description or title is sent back to the user

USER PURCHASE AN ITEM

Description: a user purchases an item from another user
<ol style="list-style-type: none">1. Includes [Look up all the item available] or [Search for an item]2. The user select an item from the list of items sent back from step 13. This item is transferred from ProductsSelling table to ProductsSold table4. The seller of this item can see this item in the WaitingForShipping list5. The buyer can see this item in the PurchasedOrder list.

USER FOLLOW/UNFOLLOW A SELLER

Description: User follows or unfollows a seller
<ol style="list-style-type: none">1. Includes [Look up all the item available] or [Search for an item]. The seller information is returned with every item.2. A user chooses a seller to follow. The user then can see this seller in his following list.3. Unfollowing a seller is vice versa

USER ADDS/DELETES AN ITEM INTO/FROM THE WISH LIST

Description: A user adds or deletes an item from his wish list
<ol style="list-style-type: none">1. Includes [Look up all the item available] or [Search for an item].2. A user chooses an item, and click “Add to WishList” button. The user can then see this item in the Wishing List3. Delete an item from the Wishing List is Vice Versa.

SELLER POSTS/DELETES AN ITEM

Description: A seller posts or deletes an item.
<ol style="list-style-type: none">1. The seller inputs information for an item2. The item is added into ProductsSelling table, with the seller’s id associated with it. This item will then be returned to users, when they do [Look up all the item available].3. Deleting an item is Vice Versa. ((A system administrator can delete any item)

SELLER EDIT AN ITEM

Description: A seller edit an item he has posted.
<ol style="list-style-type: none">1. A seller selects one of the item he has posted2. All the detailed information is sent back to the seller, on which the seller can make changes.3. The updated information is then sent back to database. (A system administrator can edit any item)

SELLER CONFIRMS SHIPPING

Description: A seller confirms he has shipped the item a buyer bought from him

1. The seller checks the items associated with him in the ProductsSold table , and select one.
2. The seller inputs the postal tracking number, and click “Shipped” button. The Shipped flag for this item will be set true in the database
3. When the buyer checks this item, it will show “Shipped” and the tracking number.

ADMINISTRATOR EDITS/DELETES USERS

Description: An administrator edits or deletes users

1. All the registered users in the database are returned to an administrator
2. An administrator selects one of them, and then edit or delete the user.
3. The updated information is sent back to database.
(The deletion will be a soft deletion, purchases and posts associated with the user will not be deleted automatically)