

Project Design Description

All actors in the system are users that have certain required pieces of information so that they can log in to their accounts. Then there is a field that users have that determines whether or not the user can also sell items on the website. There is also a field that shows whether a user has admin access, which is used when determining what actions they can take in regards to other user's items.

User Registration: Upon registration a user will need to provide all the required fields in order to populate their row of the User table.

Look Up All The Available Items: We have a class for products which are currently being sold which allows this.

Search For An Item: Products have a category field which will be used in this case.

User Purchase An Item: We have a quantity field on products being offered that keeps track of how many of a specific product are left, when a product is sold the number is decremented and we use the ProductsSold to keep track of the information relevant to a product which has been sold, e.g. what user bought the product.

User Follow/Unfollow A Seller: This is taken care of by the connection from User to User.

User Adds/Deletes Item To/From Wishlist: This is taken care of by the Wishlist association between User and ProductsSelling.

Seller Posts/Deletes An Item: This is taken care of by the SellingProducts association between User and ProductsSelling.

Seller Edit An Item: This can be done due to having ProductsSelling be associated with the User that posted the product.

Seller Confirms Shipping: Represented with the shippedFlag field of ProductsSold.