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Object oriented design for an online auction site

Object oriented design for an online auction site

Typical set of operations on the online auction site from the user perspective are

- Users should register themselves and sign in to participate or start auctions in the online auction site.
- A user can create a new item category to be auctioned in the site or else he can search ongoing auctions on the item and participate in one or more of these auctions simultaneously.
- Upon participating in auction he/she can place the bids.
- He/she can come out of the auction at any time.
- If he wins the auction by placing the highest bid, he has to pay the bid price to the payment sub system
- If he is the owner of the auction which was complete with a winner, he should send the items to the delivery sub system.

Based on the above description the main components of the system would be
User -> can act as bidder/seller
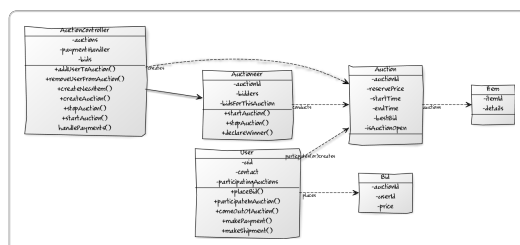Item -> Things which are sold and bought in the system
Auction -> Process in which seller wants to sell the item
Bid -> users quotes for the item being sold
Auctioneer -> one who oversees the process of start, stop and conducts the whole process
PaymentHandler -> component which accepts the payments from winning bidder and transfers the payment to the seller

Based on the above description this is the class diagram of the system:

Posted by Santosh Srinivas at 1:29 AM

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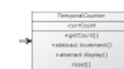### Object oriented design for a library to borrow and renew books
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