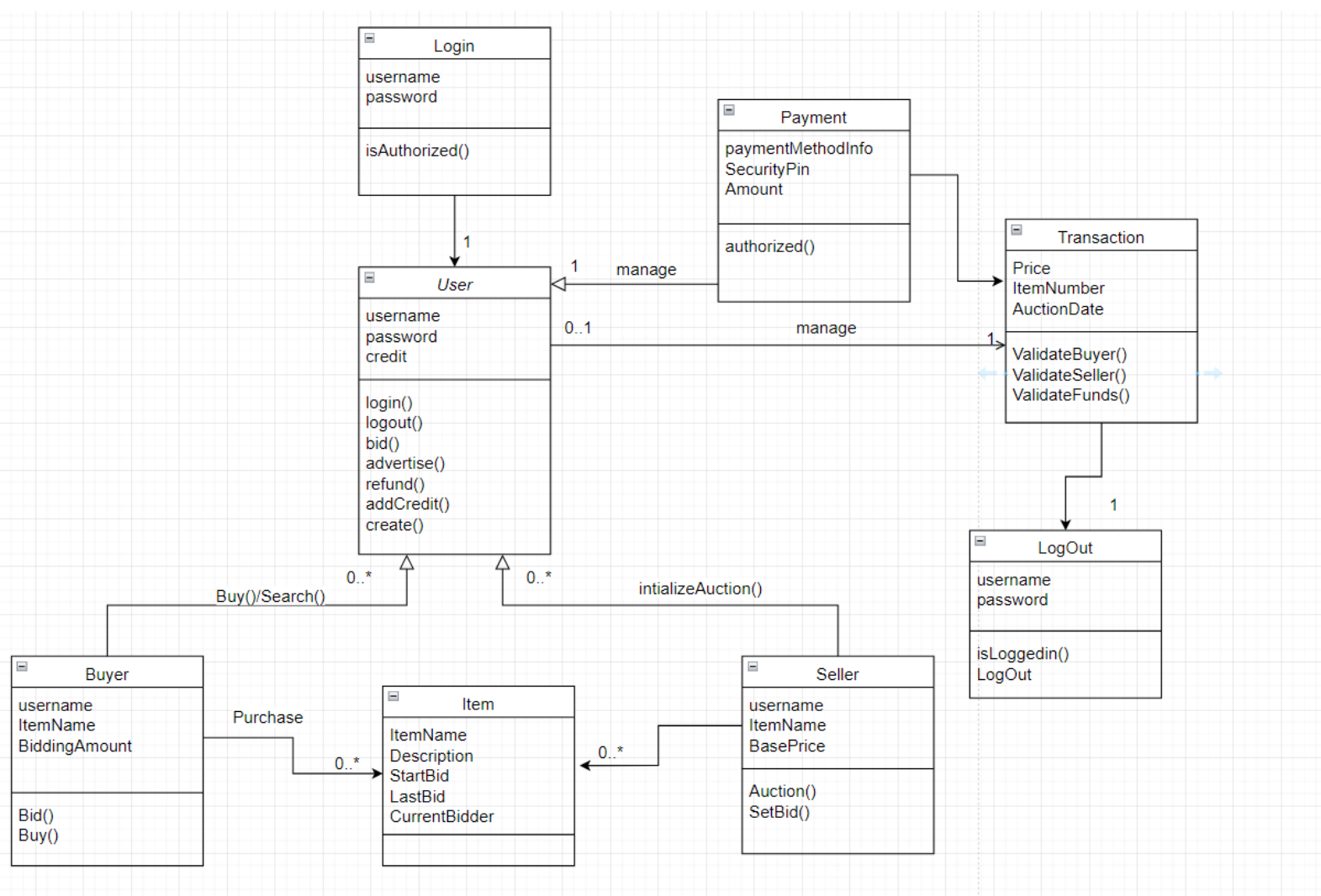


## UML Diagram



**Login class:** Basic functionality of user login access. Contains the user name and password and the function isAuthorized() verifies username and password.

**Payment:** Functionality for user payment, contains the amount of the payment, user card pin, and payment method. The function authorised() verifies the payment.

**User:** Contains all user information such as username, password, credit amount. Also this is where the actual functionality for what a user can do is like login and logout etc.

**Logout:** Basic functionality for user logging out. The function logout() does exactly that.

**Item:** All item information is included here.

Transaction: Class working on all Transactions from the buyer and seller.  
Validates the information and payment information and the Purchase.

Buyer: Class that keeps track of the buyer information and lets the user Bid()  
and Buy()

Seller: Class that keeps track of the seller information and lets the user put up  
items for auction and allows the user to setBid()