

Items list for each house to pull from?

Harry potter: https://en.wikipedia.org/wiki/Magical_objects_in_Harry_Potter

Startrek: <https://sttwiki.org/wiki/Category:Equipment>

Garrys Mod: <https://maurits.tv/data/garrysmo/wiki/wiki.garrysmo.com/index30df.html>

DND: <https://www.dndbeyond.com/magic-items>

Don't Starve Monsters: <https://dontstarve.fandom.com/wiki/Monster>

Space: Thinking like one that is a list of items on a Apollo capsule, Space shuttle, Dragon, Starliner or something?

Could scrape some word lists for nouns?

Anything people like we should throw in???

Create user: string name, double balance

AH/Agent->Bank OpenAccount: ip/hostname, port, name

Bank->AH/Agent OpenAccountResponse: int account_id

AH/Agent->Bank GetBalance: int account_id

Bank->AH/Agent BalanceResponse: double balance, double available

Agent->Bank GetAuctionHouses

Bank->Agent GetAuctionHousesResponse: list [ip/hostname, port, name]

AH->Bank HoldRequest: source_account_id, amount, dest_account_id

Bank->AH HoldResponse: int transaction_id (-1 means denied)

AH->Bank HoldRelease: int transaction_id

AH->Bank ProcessTransaction: int transaction_id

Agent->AH GetItems

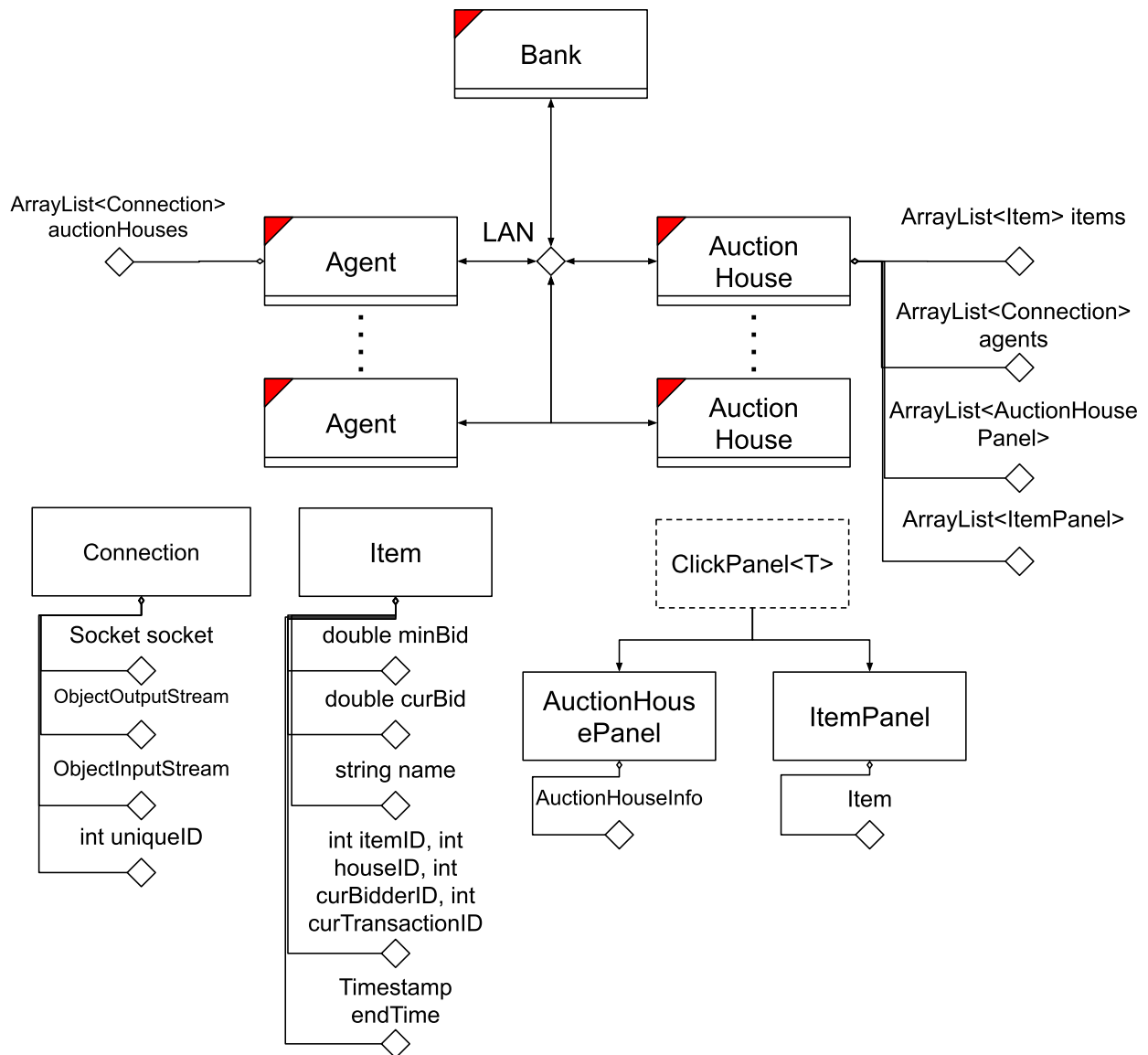
AH->Agent GetItemsResponse: list [house id, item id, description, minimum bid and current bid]

Agent->AH MakeBid: account_id, item id, amount

AH->Agent BidResponse: house id, item id, ENUM {ACCEPTED, REJECTED, OUTBID, WINNER, LOSER}

AH -> Bank CreateAuctionHouse: ip/hostname, port, name

Bank -> AH CreateAuctionHouseResponse: houseID



- Connection.uniqueID:
 - In the case of a connection from an Agent, uniqueID = Agent.accountID
 - In the case of a connection from an AH, uniqueID = AuctionHouse.houseID
- AuctionHouse.houseID is determined by the bank during CreateAuctionHouse, and is sent to the AH via CreateAuctionHouseResponse
- AuctionHouse.houseID is NOT AuctionHouse.accountID
- Agents will have a list of AHs they can choose from, where clicking on an AH will bring it into focus and show what it has up for auction. The items from other AHs will get hidden when this happens.

AgentGUI layout:

<div><div>AH_NAME</div><div>AH_NAME</div><div>AH_NAME</div><div>AH_NAME</div><div>AH_NAME</div><div>AH_NAME</div></div>						AGENT_NAME TOTAL_BALANCE AVAILABLE_BALANCE
SELECTED_HOUSE_NAME						
<div><div>ITEM</div>...</div>				<div>ALERT/MESSAGE</div> <div>ITEM_NAME MIN_BID CUR_BID TIME_REMAINING AGENT_HAS_PLACED_BID AGENT_HAS_TOP_BID</div>		
Your Active Bids: <div><div>ITEM</div>...</div>				<div>>BID_AMOUNT<</div> <div>Make Bid</div> <div>Refresh Auction Houses</div> <div>Refresh Item Listing</div>		