

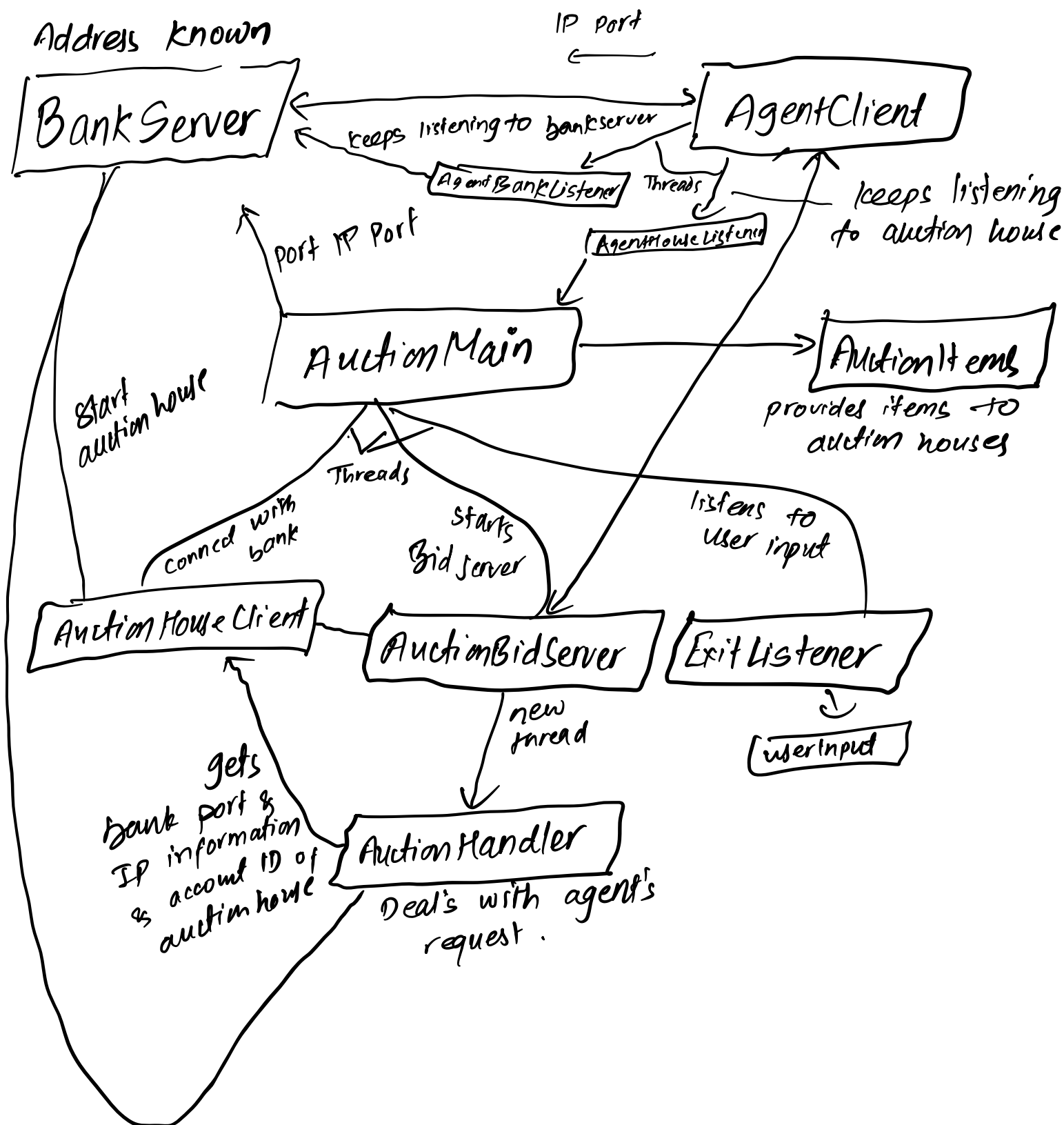
Design Document

Distributed Auction

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Bank : Listens on port xx

Auction House: Connects to Bank . (Q) to close auction house:

Agent :

Enter name : xx

Enter Amount : xx

Sends 'OPENACCOUNT' request to Bankserver

Bank provides List of Available Auction House

→ Connect to Auction House

→ Show Balance

→ Close Agent

Bank sends json object
with balance info of
agent

Bank provides all House lists

Request items

Bid

Exit

Send
request to Auction
house

Sends bid
request to Auction
house

Exit the
connection with

Auction house sends
response to Agent
with all items
available for
auction

Auction house
checks if Bid on
requested item is
possible or not.
If possible returns
Bid acceptable message.

Item can be outbid by
other agent under 30 seconds.
When an item is sold,
another item replaces the
sold items.

auction house
(just in user
interface)