

# PPAPD — P2P Ascending Price Distributed Auction

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**CS 236 Presentation** 

## **Centralized Online Auction House have drawbacks**

 Auction houses have more power and control over sellers

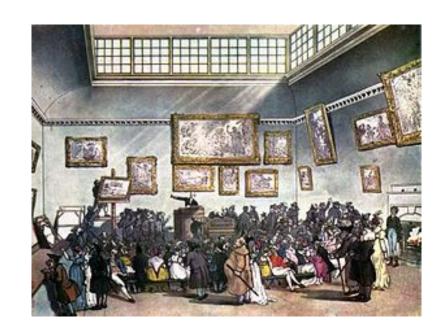


 Potential fraudulent bidding activities from the auction houses

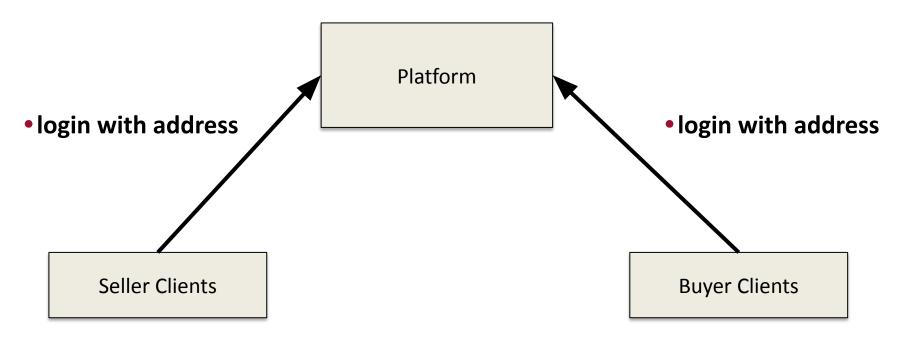


# **PPAPD** — **P2P** Ascending Price Distributed Auction

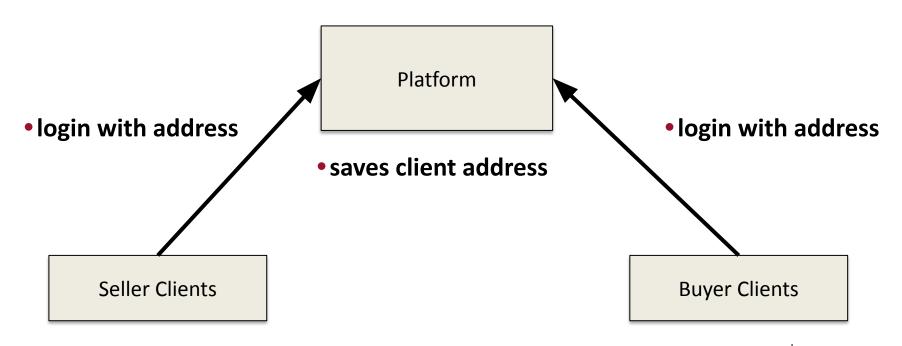
- Format: Continuous Ascending Price Auction
- Participant: Every user can sell and buy
- Owner: sellers runs its auction
- Record: Platform maintains Fault tolerance and redundancy



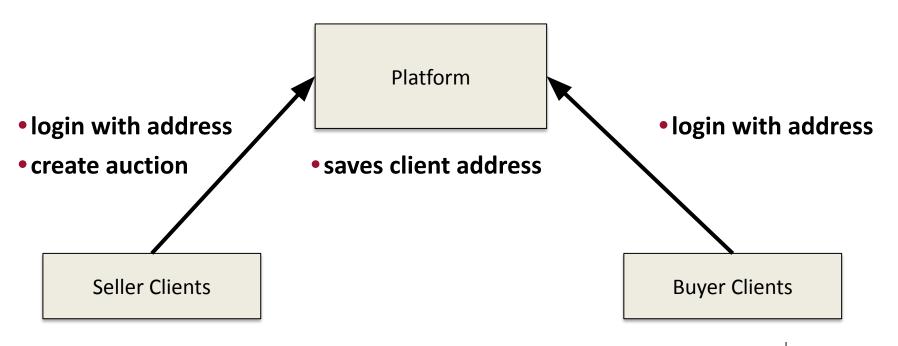




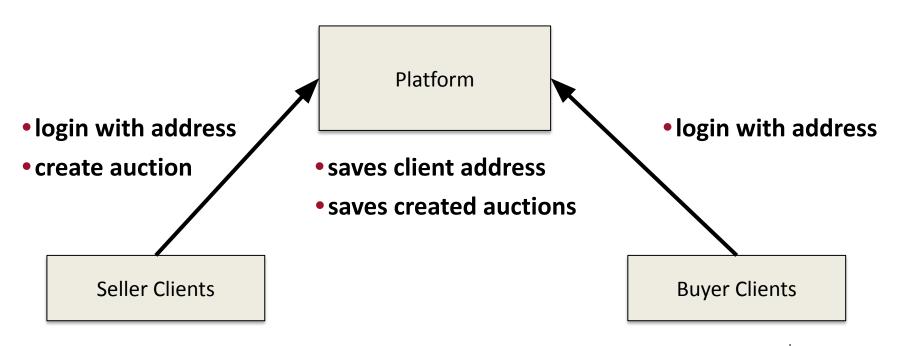




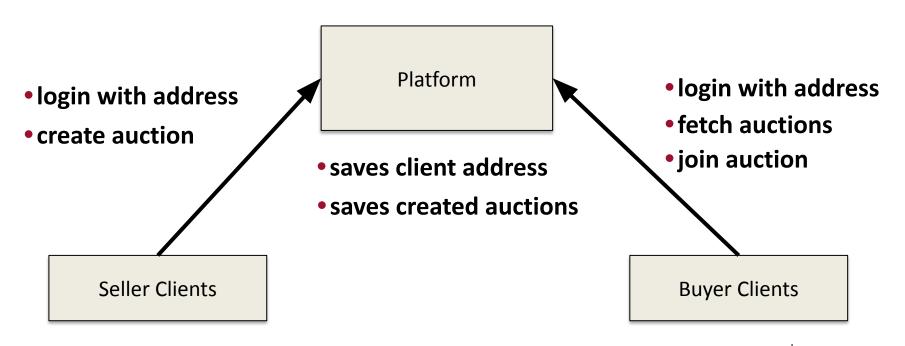






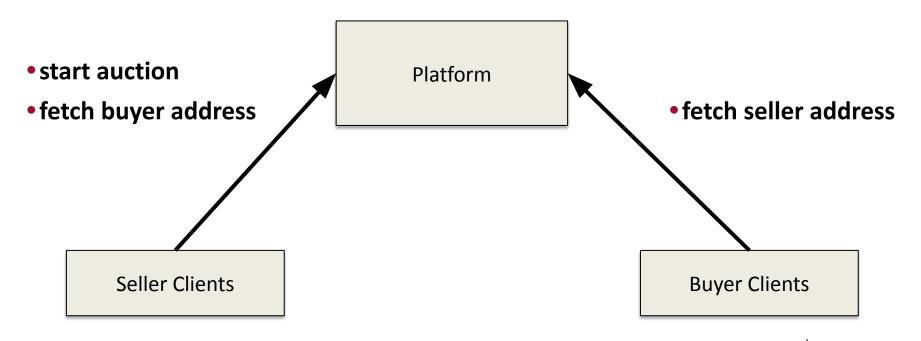








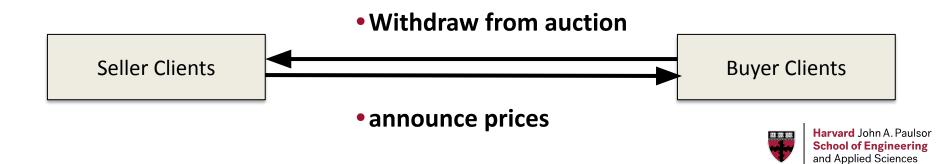
#### PPAPD — when auction starts



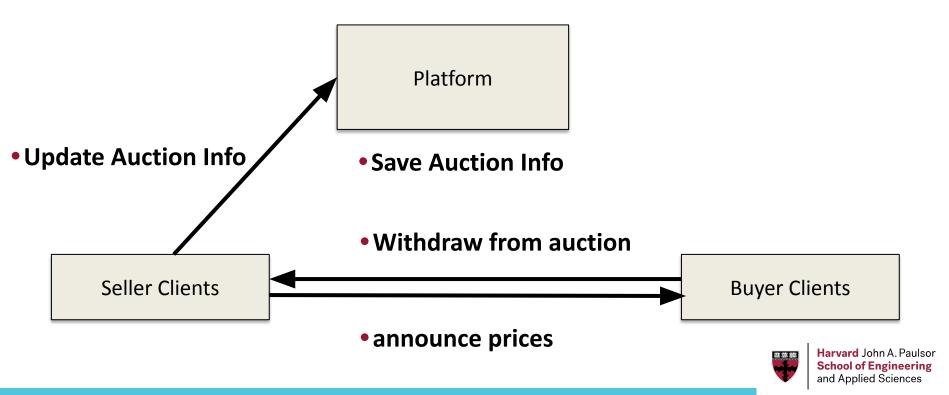


# **PPAPD** — during auction

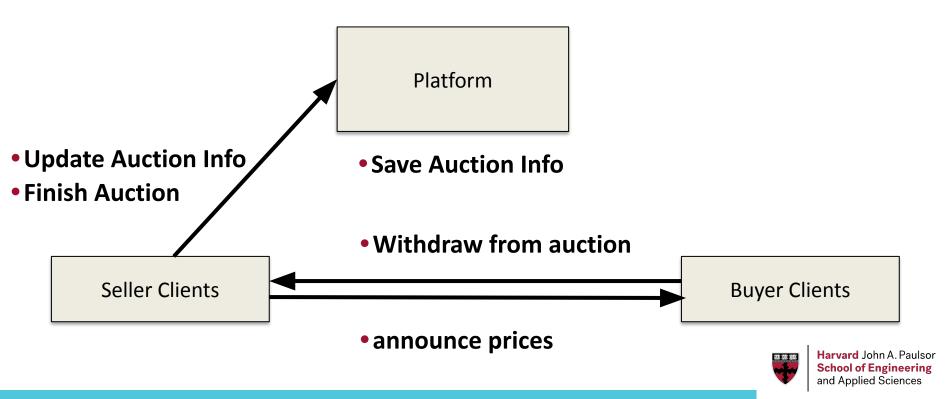
Platform



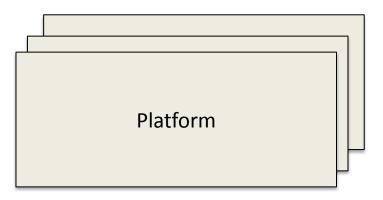
# **PPAPD** — during auction



# **PPAPD** — during and finishing auction

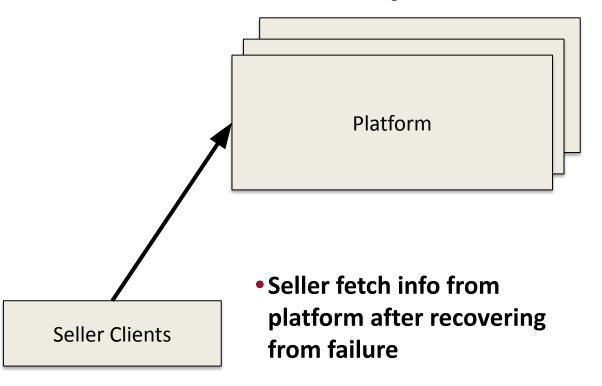


## **PPAPD** — Redundancy and Fault Tolerance



ImplementsState-Machine Raftsmodel

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ImplementsState-Machine Raftsmodel

