Private Marketplace on Blockchain

A decentralized e-commerce marketplace achieved using Blockchain is the optimum solution to overcome the flaws of a traditional marketplace. Current Blockchain marketplaces do not provide the highly popular auction function. This project introduces the automated auction function by implementing Smart Contract into the Blockchain private marketplace.

1. Trader posts product into the Blockchain for auction.
2. Bidders place their bids to participate in the auction.
3. The winner will form a smart contract with the trader while the rest will be refunded with their bids.
4. The trader and winner receive the payment and invoice respectively upon completing the order.

FUTURE DIRECTION
- One Decentralized Marketplace
- Single Sign-On (SSO)
- More Auction Mechanism
- Privacy Preserving

SYSTEM OVERVIEW

Users

Browser

Blockchain

Server

Node