Online Auction System
INFO 5100 Final Project Proposal

Problem Statement

Online shopping has become wide spread in all sorts of industrial usage today, but buyers may get unsatisfied with a specified product's price when they are into it. Sellers may also not sure about what the price is competitive while making a maximum profit.

Purpose

This project aims to build an auction system for various products with multiple servers, sellers and bidders accordingly. This system is designed to be highly-scalable and capable of supporting large numbers of bidders in an active auction, concurrency problems may need to be considered specifically.

Proposed Solution

The basic idea of this system is to allow sellers to set up their products for auctions and bidders to register and bid for various products available for bidding. Roles of admin, seller and bidder can manipulate their account for specific use. For example, a seller may upload available products' catalogue for bidding and set the time duration, bidders can place their bid on a typical product and receive specific notification of the bidding process. While admin can make a report to monitor all the system bidding and user registered activities.

Additional functions may be considered in details for specific needs, like rare articles may be withheld by owner on the advice of the administrator to be thrown open in special auctions so as to increase the bid-values.

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