

Create accounts of users; login, logout.

I. Auctions

- seller creates auctions and posts items for sale
 - set all the characteristics of the item
 - set closing date and time
 - set a hidden minimum price (reserve)
- a buyer should be able to bid
 - let the buyer set a new bid
 - in case of automatic bidding set secret upper limit and bid increment
 - alert other buyers of the item that a higher bid has been placed (manual)
 - alert buyers in case someone bids more than their upper limit (automatic)
- define the winner of the auction
 - when the closing time has come, check if the seller has set a reserve
 - if yes: if the reserve is higher than the last bid none is the winner.
 - if no: whoever has the higher bid is the winner
 - alert the winner that they won the auction

II. Browsing and advanced search functionality

- let people browse on the items and see the status of the current bidding
- sort by different criteria (by type, bidding price etc.)
- search the list of items by various criteria.
- a user should be able to:
 - view all the history of bids for any specific auction
 - view the list of all auctions a specific buyer or seller has participated in
 - view the list of "similar" items on auctions in the preceding month (and auction information about them)
 - let user set an alert for specific items s/he is interested
 - get an alert when the item becomes available
- users browse questions and answers
- users search questions by keywords

III. Admin and customer rep functions

- Admin (create an admin account ahead of time)
 - creates accounts for customer representatives
 - generates sales reports for:
 - total earnings
 - earnings per:
 - item
 - item type
 - end-user
 - best-selling items
 - best buyers
- Customer representative functions:
 - users post questions to the customer representatives (i.e. customer service)
 - reps reply to user questions
 - edits and deletes account information
 - removes bids
 - removes auctions