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**Yellow Highlight** = Successfully Implemented

\*\*\*We managed to fully implement parts 1-4 (We have only have 3 members in our group, so we only implemented parts 1-4).\*\*\*

#### I. Create accounts of users; login, logout.

#### II. Auctions (Manual)

- 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
  - alert other buyers of the item that a higher bid has been placed
- 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

#### III Auctions (Automatic)

- a buyer should be able to set an automatic bidding
  - set a secret upper limit
  - set a bid increment (put in the database a higher bid automatically for the user in case someone bids higher)
  - alert buyers in case someone bids more than their upper limit
- 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

#### IV 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

#### V 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 browse questions and answers
  - users search questions by keywords
  - 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