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- ☒ 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