**Group 10: Kuhu Halder, Farah Lubaba Rouf, Prince Rawal, Jigisha Mavani**

**Items highlighted in green are implemented.**

I. [X} Create accounts of users; login, log out.

II. Auctions (Manual)

[X] seller creates auctions and posts items for sale

[X] set all the characteristics of the item

[X] set closing date and time

[X] set a hidden minimum price (reserve)

[X] a buyer should be able to bid

[X] let the buyer set a new bid

[X] alert other buyers of the item that a higher bid has been placed

[X] define the winner of the auction - winner() = max(bids)

[X] when the closing time has come, check if the seller has set a reserve

[X] if yes: if the reserve is higher than the last bid none is the winner.

[X] if no: whoever has the higher bid is the winner

[X] alert the winner that they won the auction

III Auctions (Automatic)

[X] a buyer should be able to set an automatic bidding

[X] set a secret upper limit

[X] set a bid increment (put in the database a higher bid automatically for the user in

case someone bids higher)

[X] alert buyers in case someone bids more than their upper limit

[X] define the winner of the auction

[X] when the closing time has come, check if the seller has set a reserve

[X] if yes: if the reserve is higher than the last bid none is the winner.

[X] if no: whoever has the higher bid is the winner

[X] alert the winner that they won the auction

IV Browsing and advanced search functionality

[X] let people browse on the items and see the status of the current bidding

[X] sort by different criteria (by type, bidding price, etc.)

[X] search the list of items by various criteria.

[X] a user should be able to:

[X] view all the history of bids for any specific auction

[X] view the list of all auctions a specific buyer or seller has participated in

[X] view the list of "similar" items on auctions in the preceding month (and auction information about them)

[X] let user set an alert for specific items s/he is interested

[X] get an alert when the item becomes available

V Admin and customer rep functions

[X] Admin (create an admin account ahead of time)

[X] creates accounts for customer representatives

[X] generates sales reports

[X] total earnings

[X] earnings per:

[X] item

[X] item type (analog, digital, touchscreen)

[X] end-user (seller)

[X] best-selling items

[X] best buyers

[X] Customer representative functions:

[X] users browse questions and answers

[X] users search questions by keywords

[X] users post questions to the customer representatives (i.e. customer service)

[X] reps reply to user questions

[X] edits and deletes account information

[X] removes bids

[X] removes auctions