**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