System Request

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Project Name: Web-based auction system

Business Need:
1) Take advantage of new technology (internet).
2) Solve the problem of not being able to hold gatherings at auction venues during the epidemic.

Functionality:
1) The seller must be able to post the goods online.
2) The seller must be able to decide how long the goods appear on the website.
3) The seller must be able to withdraw the money in his account.
4) The buyer must be able to bid during the auction cycle.
5) The final buyer must be able to pay the money.
6) The venue must be able to take a 5% commission on each transaction.

Expected Value:
- Tangible:
  1) The internet auction saves on venue costs, and at two auctions a month, the rent for one auction is Dhs18,000, saving Dhs 432,000 a year.
  2) Save on auctioneer's commission, based on two people, each earning 15,000 dirhams a month, saving 360,000 dirhams a year.
  3) Keep the auction house open for business during the outbreak.
- Intangible:
  1) Increase buyer and seller satisfaction.
  2) The buyer will be free to bid at any time a day wherever he or she is.
  3) Increase employee satisfaction.

Special Issues or Constraints:
- Time constraints:
  1) System should be installed and running within the next 2 months.
- Technical constraints:
  1) System should be available 24 hours, 7 days a week. Any maintenance work must be done between 02:00 and 05:00.
  2) Some data in the system cannot be seen by unauthorized people. Some rules must be applied to ensure data confidentiality.