Database Systems

Date: 19/03/2024

QUIZ 4 (SOLUTION)

NAME: _____ ROLL NO_____

SECTION:_____ POINTS: /10

Consider an ONLINE_AUCTION database system in which members (buyers and sellers) participate in the sale of items. The data requirements for this system are summarized as follows:

- The online site has members, each of whom is identified by a unique member number and is described by an e-mail address, name, password, home address, and phone number.
- A member may be a buyer or a seller (cannot be both). A buyer has a shipping address recorded in the database. A seller has a bank account number and routing number recorded in the database.
- Items are placed by a seller for sale and are identified by a unique item number assigned by the system. Items are also described by an item title, a description, starting bid price, bidding increment, the start date of the auction, and the end date of the auction.
- Items are also categorized based on 2 types i.e. clothing item and an accessory item.
- Buyers make bids for items they are interested in. Bid price and time of bid are recorded.

Design an enhanced entity–relationship (EER) diagram for the ONLINE_AUCTION database