

eBay - Auction Database Management System

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Nowadays everything is online, which saves time and effort while trying to do something. One of these things is online auctions. eBay is an online auction platform where personal or business transactions and communications between users are made completely electronically. The differences between real auction and online auction are time period of auctioning, and convenience. Real auctions end as soon as no further bids are placed but in eBay, all auctions have long fixed duration before it ends. The bidding opens at the seller's starting price of an item for a certain number of days ranging from 1 day to 10 days. At the end of the bidding period, the highest bidder wins. eBay also provides an option to sellers to have a certain desired price that can have sellers buy their items immediately without bidding.

Functionality of the database provides a user-friendly environment for users to upload auction items and place bids on the items. Sellers will provide auction item information on item description, starting price, auction duration, pictures, shipping method and costs and payment options. Auction item ID will be the primary key attribute of all the item attributes. A seller has attributes such as seller id (primary key) username, password, email, bank information and contact number. A buyer has attributes buyer id (primary key), username, password, email, address, contact number, credit/payment details. At the end of a successful auction, both the seller and purchaser will receive all the information they need to complete the transaction. Volume of our data will be extensive. Auction platform will have millions of listed items and both seller and bidder information such as personal information, payment and shipment methods.