

## QUALITEES – Data Dictionary or Database Structure

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### CustomerBidder

Field Name	Data Type	Key	Description	Example Value
userID	INT	PK	Unique customer/bidder identifier	1
lastName	VARCHAR		Customer last name	Santos
firstName	VARCHAR		Customer first name	Maria
username	VARCHAR		Account username (unique)	mariasantos
password	VARCHAR		Account password	safeP@ss123
email	VARCHAR		Email address	maria.santos@email.com
contactNum	VARCHAR		Contact number	09171234567
address	VARCHAR		Physical address	123 Mabini St, Quezon City
isActive	BOOLEAN		Soft delete flag, TRUE if Active	TRUE

### AdminSeller

Field Name	Data Type	Key	Description	Example Value
adminID	INT	PK	Unique customer/bidder identifier	1
lastName	VARCHAR		Customer last name	Dalisay
firstName	VARCHAR		Customer first name	Cardo
username	VARCHAR		Account username (unique)	tanggol
password	VARCHAR		Account password	probinsyanoQuiapo
email	VARCHAR		Email address	batangquiapo@email.com
contactNum	VARCHAR		Contact number	096531234567
address	VARCHAR		Physical address	321 Mabini St, Quezon City
isActive	BOOLEAN		Soft delete flag, TRUE if Active	TRUE

## Item

Field Name	Data Type	Key	Description	Example Value
itemID	INT	PK	Unique item identifier	202
itemName	VARCHAR		Name of the item	Know Your Rights Supreme Graphic T-Shirt - Medium Green Cotton
description	TEXT		Detailed item description	Pre-Shrunk, 100% Cotton
startingPrice	DECIMAL		Starting price for auction	6500
buyNowPrice	DECIMAL		Buy-now price (optional)	8000
itemStatus	VARCHAR		Status (active, sold, etc.)	active
auctionID	INT	FK	Linked auction event (nullable)	5
adminID	INT	FK	Reference to seller/admin	1
isActive	BOOLEAN		Soft delete flag, TRUE if Active	TRUE

## Auction

Field Name	Data Type	Key	Description	Example Value
auctionID	INT	PK	Unique auction identifier	5
itemID	INT	FK	Auctioned item	202
startDate	DATETIME		Auction start time	2025-10-01 09:00:00
endDate	DATETIME		Auction end time	2025-10-05 18:00:00
auctionStatus	VARCHAR		Auction status ('open', 'closed', 'cancelled')	open
winnerID	INT	FK	userID of winning bidder	4
isActive	BOOLEAN		Soft delete flag, TRUE if active	TRUE

## Bid

Field Name	Data Type	Key	Description	Example Value
bidID	INT	PK	Unique bid identifier	54
auctionID	INT	FK	Auction being bid on	5
userID	INT	FK	Bidder user	1
bidAmount	DECIMAL		Amount offered	7200.00
bidTime	DATETIME		When bid was placed	2025-10-05 17:59:45
isHighestBid	BOOLEAN		Indicates if highest bid	TRUE
isActive	BOOLEAN		Soft delete flag, TRUE if active	TRUE

## Payment

Field Name	Data Type	Key	Description	Example Value
paymentID	INT	PK	Unique payment id	43
itemID	INT	FK	Purchased item	202
bidID	INT	FK	Related winning bid	54
paymentDate	DATETIME		Date paid	2025-10-06 10:20:05
amount	DECIMAL		Payment amount	7200.00
paymentStatus	VARCHAR		Payment status	completed
isActive	BOOLEAN		Soft delete flag, TRUE if active	TRUE

## MessageNotification

Field Name	Data Type	Key	Description	Example Value
messageID	INT	PK	Unique message/notification id	9901
userID	INT	FK	Recipient user	1
type	VARCHAR		Notification type ('auction_won','system','user_msg')	auction_won
content	TEXT		Message content	Congratulations! You've won the auction for Know Your Rights Supreme Graphic T-Shirt - Medium Green Cotton.
dateTime	DATETIME		Date/time sent	2025-10-06 10:23:00
isSystem	BOOLEAN		TRUE for system notifications	TRUE
isActive	BOOLEAN		Soft delete flag, TRUE if active	TRUE