QUALITEES – Data Dictionary or Database Structure
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Users

Field Name	Data Type	Key	Description	Example Value
userID	INT	PK	Unique user identifier	1
lastName	VARCHAR		User last name	Wayne
firstName	VARCHAR		User first name	Bruce
username	VARCHAR		Account username (unique)	batMan
password	VARCHAR		Account password	Gotham123
email	VARCHAR		Email address	darkKnight@email.com
address	VARCHAR		Physical address	123 Mabini St, Gotham City
isActive	BOOLEAN		Soft delete flag, TRUE if Active	TRUE
isAdmin	BOOLEAN		TRUE if Admin	TRUE

Items

Field Name	Data Type	Key	Description	Example Value
itemID	INT	PK	Unique item identifier	2
itemName	VARCHAR		Name of the item	Know Your Rights Supreme Graphic T-Shirt
description	TEXT		Detailed item description	Medium Green, Cotton Pre-Shrunk, 100% Cotton…
startingBid	DECIMAL		Starting bid for auction	200
buyPrice	DECIMAL		Buy-now price (optional)	8000
bidIncrement	DECIMAL		Bid increments	100
startDate	DATETIME		Start date	2025-10-01 09:00:00
endDate	DATETIME		End date	2025-10-07 09:00:00
isOver	BOOLEAN		TRUE if over	TRUE

Bid

Field Name	Data Type	Key	Description	Example Value
bidID	INT	PK	Unique bid identifier	1
bidAmount	INT		Bid amount	1
userID	INT	FK	Unique user identifier	1
itemID	INT	FK	Unique item identifier	1
isHighestBid	BOOLEAN		TRUE if highest bid	TRUE

Notification

Field Name	Data Type	Key	Description	Example Value
notifID	INT	PK	Unique notification identifier	1
notifType	INT		Notification Name	Win, Lost, Timer, Ended
notifContent	VARCHAR		Notification Content	You won! Lorem ipsum dolor
userID	INT	FK	Unique user identifier	1
itemID	INT	FK	Unique item identifier	1
bidID	INT	FK	Unique bid identifier	1

Receipt

Field Name	Data Type	Key	Description	Example Value
receiptID	INT	PK	Unique notification identifier	1
referenceNo	INT		Item Reference number	Ref. 3178638183
itemID	INT	FK	Notification Content	1
userID	INT	FK	Unique user identifier	1
bidID	INT	FK	Unique bid identifier	1

Watchlist

Field Name	Data Type	Key	Description	Example Value
WL_ID	INT	PK	Unique watchlist identifier	1
itemID	INT	FK	Unique item identifier	1