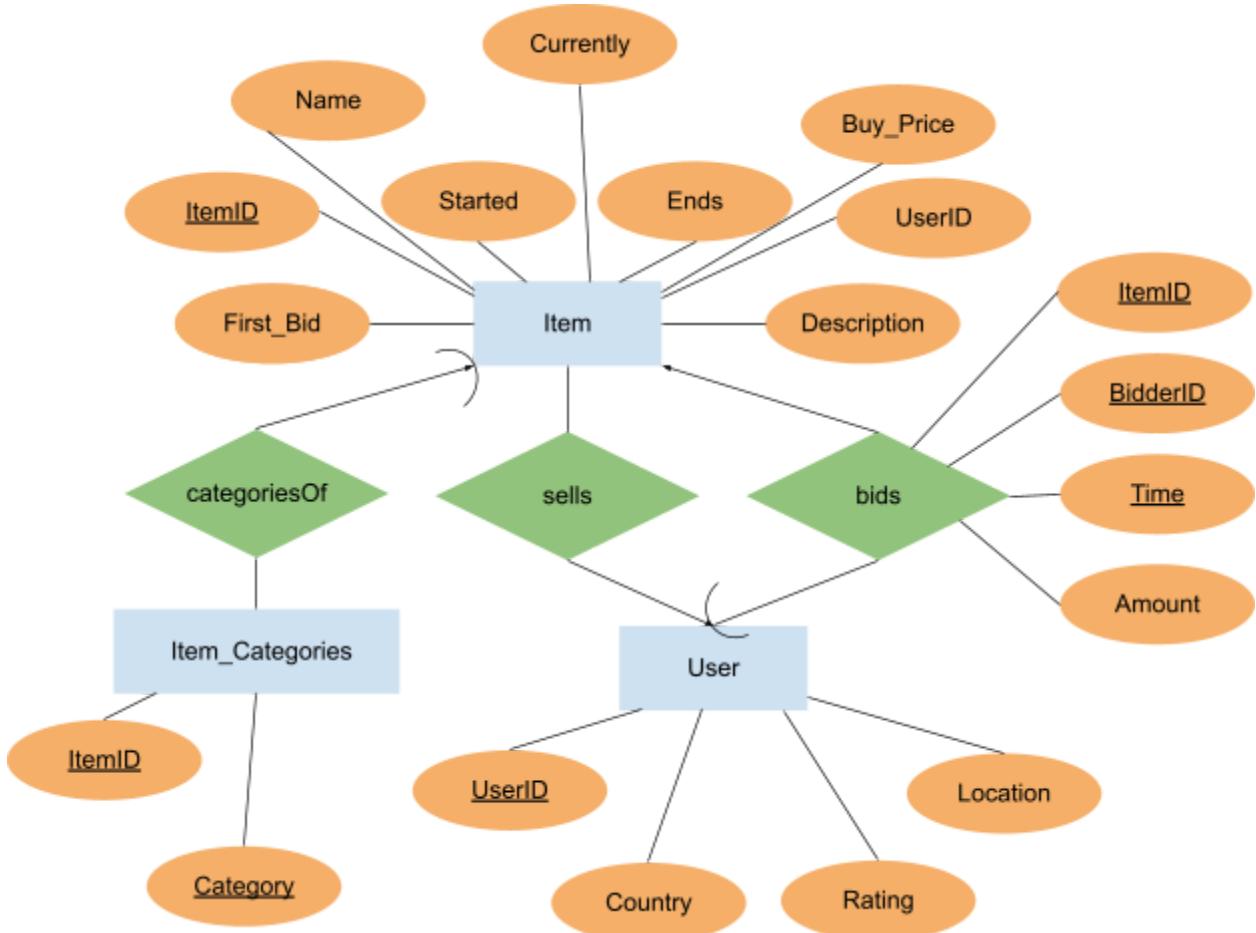


## ER Diagram:



Notes to group mates:

- Item\_Categories stores item-category pairs
- Example:
  - (mona lisa, art)
  - (mona lisa, decoration)
  - (mona lisa, pretty)
  - (king's fork, utensil)
  - (king's fork, gold)
  - (dog's sculpture, art)
  - (dog's sculpture, decoration)
  - (dog's sculpture, animals)
- If users want to search for categories of an item, then can search using itemID
- Let me know if there's a better way to do it 😊
- Referential Integrity (unsure about this. Feel free to add/remove any)
  - categories-item: if item is deleted, but not updated in Item\_Categories table, then there would be a dangling item-category pair, which wouldn't be valid.
  - user-item: if an item is sold by a non-existent user, then it would be weird.

**Relational Schema:**

Item(ItemID, Name, Currently, First\_Bid, Buy\_Price, Started, Ends, UserID, Description)  
bids(ItemID, UserID, Time, Amount)

User(UserID, Country, Rating, Location)

Item\_Categories(ItemID, Category)