EER Diagram

CS6400: Team 105

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Entity-Relationship Diagram:

USER entity with attributes: First Name, Last Name, Username (key), Password, Listed (derived), Sold (derived), Purchased (derived), Rated (derived)

USER specializes (disjoint 'd') into: REGULAR USER and ADMIN USER (with attribute Position)

ITEM entity with attributes: Item ID (key), Item Name, Description, Condition, Returnable, Starting Bid, Minimum Sale Price, GetItNow Price, Auction End Date & Time (derived), Auction Length, Active, Sale Price, Buyer Name

BID entity with attributes: Bid Amount, Time of Bid

CATEGORY entity with attributes: Category Name (key), Total Items (derived), Min Price (derived), Max Price (derived), Average Price (derived)

RATING entity with attributes: Rating Time & Date, Number of Stars, Comment

Relationships:
- USER — LISTS (1:N) — ITEM
- USER — MAKES (1:N) — BID
- USER — GIVES (1:N) — RATING
- ITEM — GETS (1:N) — BID
- ITEM — HAS (1:N) — RATING
- ITEM — IS IN (N:1) — CATEGORY

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