

CSC261 Project2 Part1 Report:

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Task B:

1. Schema:

- Item (itemID: VARCHAR(255), name: VARCHAR(255), currently: DOUBLE(16,2), buy_price: DOUBLE(16, 2), first_bid: DOUBLE(16, 2), started: DATETIME, ends: DATETIME, userID: VARCHAR(255), description: TEXT);
PRIMARY_KEY (itemID);
FOREIGN_KEY (userID) REFERENCES User(userID);
- User (userID: VARCHAR(255), rating: INT, location: VARCHAR(255), country: VARCHAR(255));
PRIMARY_KEY (userID)
- Category (itemID: VARCHAR(255), category: VARCHAR(255));
PRIMARY_KEY (itemID, category);
FOREIGN_KEY (itemID) REFERENCES Item(itemID);
- Bid (itemID: INT, userID: VARCHAR(255), time: DATETIME, amount: DOUBLE(16, 2));
PRIMARY_KEY (itemID, userID, amount);
FOREIGN_KEY (itemID) REFERENCES Item(itemID);
FOREIGN_KEY (userID) REFERENCES User(userID);

2. ER Diagram:

