

We think the CREATE TABLE syntax is the best medium to demonstrate our schema. Our design for tables, attributes, primary and foreign keys are clearly shown below:

```
CREATE TABLE Items (
itemID INT UNIQUE NOT NULL,
name CHAR(255) NOT NULL,
currently DOUBLE,
first_bid DOUBLE,
bid_count INT NOT NULL,
buy_price DOUBLE,
sellerID CHAR(255) NOT NULL,
ends Datetime NOT NULL,
started Datetime NOT NULL,
description CHAR(255),
PRIMARY KEY (itemID),
FOREIGN KEY (sellerID) REFERENCES Users (userID)
);
CREATE TABLE Categories (
itemID INT NOT NULL,
category CHAR(255) NOT NULL,
PRIMARY KEY (itemID, category),
FOREIGN KEY (itemID) REFERENCES Items (itemID)
);
CREATE TABLE Users (
userID CHAR(255) UNIQUE NOT NULL,
country CHAR(255),
location CHAR(255),
rating INT NOT NULL,
PRIMARY KEY (userID)
);
CREATE TABLE Bids (
bidderID CHAR(255) NOT NULL,
itemID INT NOT NULL,
time Datetime NOT NULL,
amount DOUBLE NOT NULL,
FOREIGN KEY (bidderID) REFERENCES Users (userID),
FOREIGN KEY (itemID) REFERENCES Items (itemID)
);
```