

```
CREATE TABLE Item (  
    itemID INT NOT NULL UNIQUE,  
    locationID INT,  
    name INT NOT NULL,  
    first_bid DOUBLE NOT NULL,  
    number_of_bids INT NOT NULL,  
    currently DOUBLE NOT NULL,  
    started CHAR (255) NOT NULL,  
    ends CHAR (255) NOT NULL,  
    PRIMARY KEY (itemID),  
    FOREIGN KEY (locationID) REFERENCES Location (locationID)  
);
```

```
CREATE TABLE Bid (  
    bidsID INT NOT NULL UNIQUE,  
    userID INT NOT NULL,  
    time CHAR (255) NOT NULL,  
    amount CHAR (255) NOT NULL,  
    itemID INT NOT NULL,  
    PRIMARY KEY (bidsID)  
);
```

```
CREATE TABLE Bidder (  
    userID INT NOT NULL UNIQUE,  
    locationID INT,  
    countryID INT,  
    rating DOUBLE NOT NULL,  
    PRIMARY KEY (userID),  
    FOREIGN KEY (locationID) REFERENCES Location (locationID),  
    FOREIGN KEY (countryID) REFERENCES Country (countryID)  
);
```

```
CREATE TABLE Seller (  
    userID INT NOT NULL UNIQUE,  
    locationID INT,  
    countryID INT,  
    rating DOUBLE NOT NULL,  
    PRIMARY KEY (userID),  
    FOREIGN KEY (locationID) REFERENCES Location (locationID),  
    FOREIGN KEY (countryID) REFERENCES Country (countryID)  
);
```

```
CREATE TABLE Location (  
    locationID INT NOT NULL UNIQUE,  
    location CHAR(255) UNIQUE,  
    PRIMARY KEY (locationID)  
);
```

```
CREATE TABLE Country (  
    countryID INT NOT NULL UNIQUE,  
    country CHAR(255) UNIQUE,  
    PRIMARY KEY (countryID)  
);
```

```
CREATE TABLE LineItem (  
    categoryID INT NOT NULL,  
    itemID INT NOT NULL,  
    FOREIGN KEY (categoryID) REFERENCES Category (categoryID),  
    FOREIGN KEY (itemID) REFERENCES Item (itemID)  
);
```

```
CREATE TABLE Category (  
    categoryID INT NOT NULL UNIQUE,  
    category CHAR(255) NOT NULL UNIQUE,  
    PRIMARY KEY (categoryID)  
);
```

ER diagram

