// Table for Item

CREATE TABLE Item (

ItemID INT UNIQUE NOT NULL,

Name CHAR(255) NOT NULL,

Currently DOUBLE,

First\_Bid DOUBLE,

Number\_of\_Bids INT NOT NULL,

Buy\_Price DOUBLE,

SellerID INT NOT NULL,

Ends Datetime NOT NULL,

Started Datetime NOT NULL,

Description CHAR(255),

PRIMARY KEY (ItemID),

FOREIGN KEY (SellerID) REFERENCES User (UserID),

FOREIGN KEY (ItemID) REFERENCES Bid (ItemID),

FOREIGN KEY (ItemID) REFERENCES Category (ItemID)

);

// Table for Category

CREATE TABLE Category (

ItemID INT NOT NULL,

Category CHAR(255) NOT NULL,

PRIMARY KEY (ItemID, Category),

FOREIGN KEY (ItemID) REFERENCES Item (ItemID)

);

// Table for User

CREATE TABLE User (

UserID CHAR(255) UNIQUE NOT NULL,

Country CHAR(255),

Location CHAR(255),

Rating INT NOT NULL,

PRIMARY KEY (UserID)

);

// Table for Bid

CREATE TABLE Bid (

BidID INT UNIQUE NOT NULL,

BidderID CHAR(255) NOT NULL,

ItemID INT NOT NULL (UNIQUE?)

Time Datetime NOT NULL,

Amount DOUBLE NOT NULL,

PRIMARY KEY (BidID),

FOREIGN KEY (BidderID) REFERENCES User (UserID)

FOREIGN KEY (ItemID) REFERENCES Item (ItemID)