

## Relational Schema Definitions

```
create table Items(  
  ItemID int,  
  Name varchar(255),  
  Currently double,  
  First_Bid double,  
  SellerID varchar(255),  
  Number_Of_Bids int,  
  Buy_Price double,  
  Started double,  
  Ends double,  
  Description varchar(255),  
  PRIMARY KEY (ItemID),  
  FOREIGN KEY (SellerID) REFERENCES Seller(UserID)  
);
```

```
create table Bid (  
  BidID varchar(255),  
  ItemID int,  
  UserID varchar(255),  
  Amount double,  
  Bid_Time TIMESTAMP,  
  Rating int,  
  Location varchar(255),  
  Country varchar(255),  
  Primary Key (BidID),  
  FOREIGN KEY (ItemID) REFERENCES Items(ItemID)  
);
```

```
create table Seller (  
  UserID varchar(255),  
  Rating int,  
  Location varchar(255),  
  Country varchar(255),  
  PRIMARY KEY (UserID)  
);
```

```
create table Category (  
  ItemID int,  
  CategoryName varchar(255),  
  PRIMARY KEY (ItemID, CategoryName),  
  FOREIGN KEY (ItemID) REFERENCES Items (ItemID)  
);
```

## ER Diagram

