```
[Category] ─── ◇ Has ◇ ─── [Item] ◄── ◇ Bid On ◇ ─── [Bid] ─── (id)
                                                                    │
   │                                                  │             (time)
 (name)                                               │             (bidder)
 (item)                                             ◇ Makes ◇       (amount)
                                                      │             (bid_on)
            (id)                                      ▼
            (name)                              [Person]
            (currently)                             │
            (buy_price)          ◇ sells ◇ ──►      │   (id)
            (first_bid)                                 (rating)
            (number_of_bids)                            (location)
            (started)                                   (country)
            (ends)
            (seller)
            (description)
```

Entities and attributes:

- **Category**: **name** (key), **item** (key)
- **Item**: **id** (key), name, currently, buy_price, first_bid, number_of_bids, started, ends, seller, description
- **Bid**: **id** (key), time, bidder, amount, bid_on
- **Person**: **id** (key), rating, location, country

Relationships:

- Category — Has — Item
- Item ◄— Bid On — Bid
- Bid — Makes → Person
- Item — sells → Person

Item(id, name, currently, buy_price, first_bid, number_of_bids, started, ends, seller, description)
Bid(id, time, bidder, amount, bid_on)
Person(id, rating, location, country)
Category(name, item)

```
CREATE TABLE IF NOT EXISTS Person (
   id VARCHAR(20) PRIMARY KEY,
   rating INT,
   location VARCHAR(20),
   country VARCHAR(20)
);

CREATE TABLE IF NOT EXISTS  Item (
   id INT PRIMARY KEY,
   name VARCHAR(20),
   currently VARCHAR(20),
   buy_price VARCHAR(20),
   first_bid VARCHAR(20),
   number_of_bids INT,
   started VARCHAR(20),
   ends VARCHAR(20),
   seller VARCHAR(20),
   description VARCHAR(20),
   FOREIGN KEY (seller) REFERENCES Person(id)
);

CREATE TABLE IF NOT EXISTS  Bid (
   id INT PRIMARY KEY,
   time VARCHAR(20) NOT NULL,
   bidder VARCHAR(20),
   amount VARCHAR(20) NOT NULL,
   bid_on INT,
   FOREIGN KEY (bidder) REFERENCES Person (id),
   FOREIGN KEY (bid_on) REFERENCES Item (id)
);

CREATE TABLE IF NOT EXISTS  Category (
   name VARCHAR(20),
   item INT,
   PRIMARY KEY (name, item)
);
```