

# Auction project

Create the models which you will use for the **auction site** (as eBay).

The **items model** should contain four columns:

- An integer **id**, which is the **primary key**
- A **name** string, which **cannot be null**
- A **description** string, which **cannot be null**
- A **start\_time** **DateTime**

The user model should contain three columns:

- An integer **id**, which is the primary key
- A username string, which cannot be null
- A password string, which cannot be null

The **bid** model should contain two columns:

- An integer id, which is the primary key
- A floating-point price, which cannot be null

Tất cả giá niêm yết luôn gồm 2 giá: giá bid và giá ask ( giá mua và giá bán ). ... Giá bid là giá mà nhà buôn sẵn sàng trả để mua đồng tiền cơ bản trong giao dịch trao đổi với đồng tiền định giá. Điều này có nghĩa giá bid là giá mà chúng ta ( nhà đầu tư ) sẽ bán đồng tiền cơ bản nếu chấp nhận

Extend your **auction.py** file to model the relationships between your User, Bid and Item classes. The models should be related according to the following rules:

- Users should be able to auction multiple items **Users 1 - n Items**
- Users should be able to bid on multiple items **Users 1 - n bids**
- Multiple users should be able to place a bid on an item **Users n - 1 items**

You will need to delete and recreate your database before making the changes to the models. To do that you can run: `dropdb auction` && `createdb auction`

When you are happy with your classes, test them out by trying to:

- Add three users to the database
- Make one user auction a baseball
- Have each other user place two bids on the baseball
- Perform a query to find out which user placed the highest bid