

Entity set Items:

item_id	PRIMARY KEY
name	
currently	
buy_price	
first_bid	
number_of_bids	
seller_id	FOREIGN KEY
started	
ends	
description	

Entity set Bids:

item_id	FOREIGN KEY
bidder_id	FOREIGN KEY
time	
amount	
	PRIMARY KEY (bidder_id, time)

Entity set AuctionUser:

user_id	PRIMARY KEY
rating	
location	
country	

Entity set Category:

item_id	FOREIGN KEY
category_name	
	PRIMARY KEY (item_id, category_name)