**User** ( id, username, password, avatar, fname, lname, email, {credit cart}, {selling}, {bidding}, {shopping cart}, {address}, {phone}, {ratings}, {sales history} )

User contains all the information of the user. The server assigns an available “id” to the user by using increments. The “username”, “password”, “avatar”, “fname”, “lname”, and “email” are determined by the user himself. The multivalued attributes “credit card”, “selling”, “bidding”, “shopping cart”, “address”, “phone”, “ratings”, and “sales history” contain a list of credit cards, items being sold by user, items the user has bided on, items in the user’s cart, addresses, phone numbers, ratings, and items sold by the user, respectively.

**Products** ( id, name, category, instant price, description, model, photo, brand, dimensions, seller, next bid price, {bidders} )

Products contains all the information regarding a product, for example the product id, name category, price, etc. It also contains the name of the seller and a list of all the users who have bided on it.

**Sales** ( id, name, category, revenue, date, seller, img, buyer, qty )

Sales contains all the information regarding a purchase, for example the id, name, photo, and category of the item, the date it was purchased on, the name of the seller and buyer, and the quantity or items sold.