Schemas of entities

Address(address\_id: integer, app\_num: string, street\_address: string, city: string, state: string, zip: integer, supplier\_id: integer);

Sales\_Item(item\_id: integer, count: integer, brand: string, list\_price: real, condition: string, description: string, name: string, reserved\_price: real, category\_id: integer, supplier\_id: integer)

Footwear(size: real, item\_id: integer)

Custom\_Shoe(tong\_style: string, sole\_style: string, shoe\_style: string, color: string, side\_img\_id: integer, front\_img\_id: integer, back img\_id: integer, item\_id: integer)

Rating(rating\_id: integer, explanation: string, value: real, username: string, supplier\_id: integer)

Category(category\_id: integer, description: string, category\_name: string, parent\_id: integer)

Image(img\_id: integer, image: image)

Suppliers(supplier\_id: integer, email: string, name: string)

Company(point\_of\_contact: string, supplier\_id: integer)

Credit\_Card(number: integer, name: string, type: string, expiration: date)

Auction(timestamp\_start: timestamp, timestamp\_end: timestamp, item\_id: integer)

Bid(bid\_id: integer, amount: real, cancellation\_timestamp: timestamp, item\_id: integer, username: string)

Phone(phone\_number: integer);

Sale(transaction\_id: integer, price: real, date: date, auction\_or\_sale: Boolean, item\_id: integer, username: string, credit\_card\_number: integer)

Registered\_Users(username: string, password: string, email: string, age: integer, gender: character, income: real, name: string, supplier\_id: integer)

UPS(shipping\_id: integer, shipping\_date: date, shipping\_method: string, buyer\_information: string, transaction\_id: string)

Customer\_Service(customer\_service\_id: integer, email: string, faqs: string, phone\_number: integer)

Schemas on relationships

shipped\_from(address\_id: integer, item\_id: integer)

has\_visual(item\_id: integer, img\_id: integer, color: string))

contact\_by(phone\_number: integer, suppliers\_id: integer)

pays\_with(username: string, number: integer, address\_id: integer)