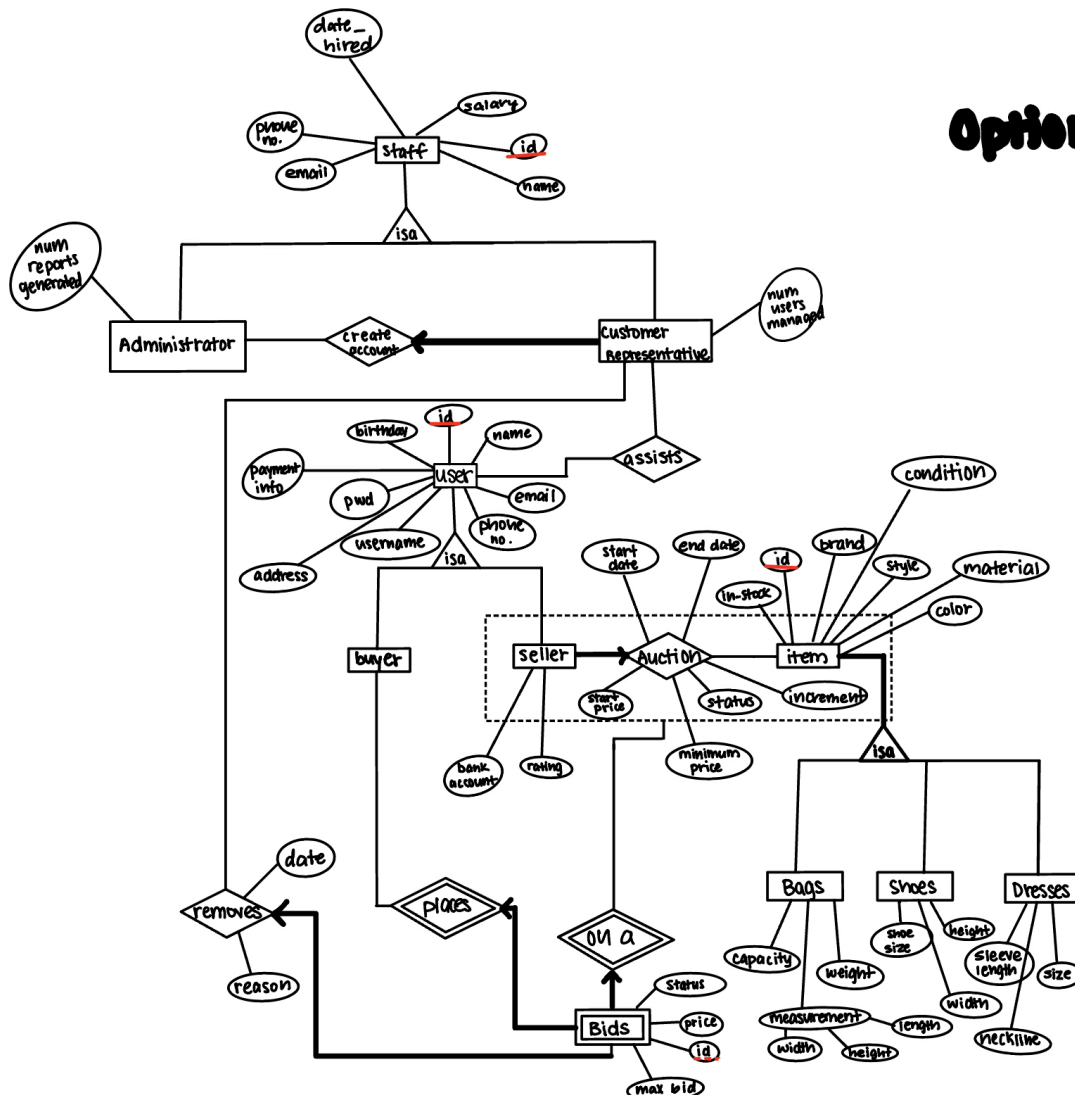


Group 20

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Option 3



Relational Model

User(user_id:int PRIMARY_KEY, isBuyer: boolean, isSeller: boolean, name:varchar(50), dob:date, payment_info:varchar(100), password:varchar(10) , address:varchar(50), username:varchar(50), phone_no:varchar(10), email:varchar(50), bank_account: varchar(50), rating: int)

Assist(staff_id: int, user_id: int, FOREIGN_KEY(staff_id) references customer_representative, FOREIGN_KEY (user_id) references user, primary_key(staff_id, user_id))

Item(item_id: int, brand: varchar(50), condition: varchar(50), style: varchar(50), material: varchar(50), color: varchar(20), in_stock: boolean, PRIMARY_KEY(item_id))

Bags(bag_id: int, capacity: float, weight: float, bag_width: float, bag_height: float, bag_length: float, PRIMARY_KEY (bag_id), foreign key(bag_id) references Item)

Shoes(shoes_id: int, shoe_size: float, height: float, width: float, PRIMARY_KEY (shoes_id), foreign key(shoes_id) references Item)

Dresses(dress_id: int, sleeve_length: varchar(50), size: varchar(20), neckline: varchar(40), PRIMARY_KEY (dress_id), foreign key(dress_id) references Item)

Auction (seller_id: int, item_id: int, start_date: date, end_date: date, starting_price: float, minimum_price: float, status: varchar(20), PRIMARY_KEY (seller_id, bag_id), foreign key(seller_id) references User, foreign key (item_id) references Item)

Bid(buyer_id: int, bid_id: int, seller_id: int, item_id: int, initial_bid: float, max_bid: float, status: varchar(20), remove_date: date, reason_for_remove: varchar(100), primary key (buyer_id, seller_id, item_id), foreign key(buyer_id) references User, foreign key(seller_id, item_id) references Auction)

StaffAdminstratorCustomerRepresentative((id: int PRIMARY_KEY, isAdministrativeStaff: boolean, isCustRepStaff: boolean, name: varchar(20), phone number: int, email: varchar(20), date_hired: date, salary: int, num_reports_generated: int, num_users_managed: int)

CreateAccounts(foreign_key admin_staff_id references admin_id, foreign_key rep_staff_id references customer_representative, primary_key(admin_staff_id, rep_staff_id)