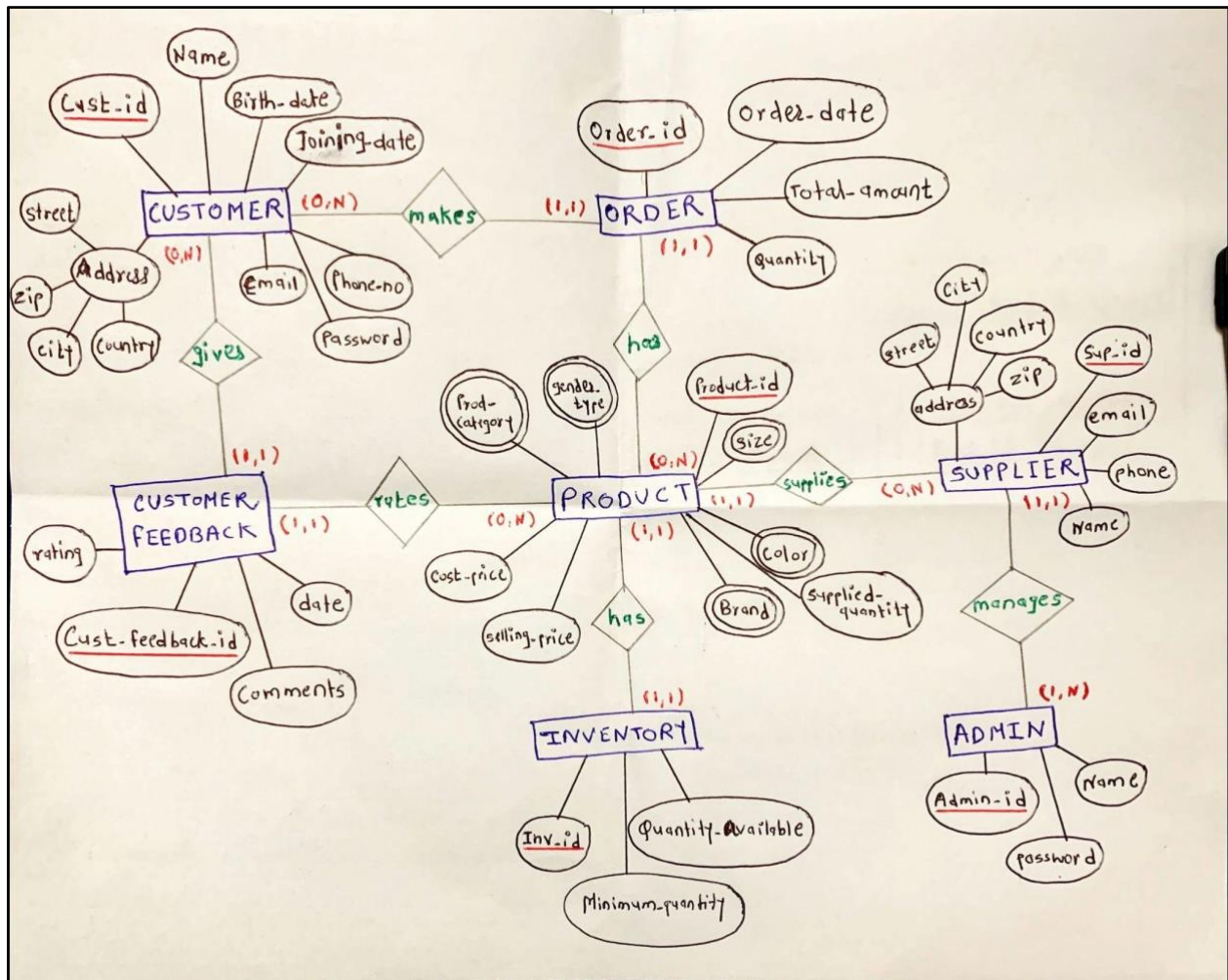# Database Systems
Project – Phase02 Version02

EER Modelling

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Note: In this version we have updated the ER diagram. Added Min quantity alert in Inventory.

EER min - max description

1. Customer makes Orders:

Customer side:
Min - given a customer(customer_id) what is the min no of Order he/she can make. **(0)**
Max - given a customer(customer_id) what is the max no of Order he/she can make. **(N)**

Order side:
Min - given an Order(order_id) what is the min no of customers that can place that order. (1)
Max - given an Order(order_id) what is the max no of customers that can place that order. (1)

2. Orders has product:
Order side:
Min : given an order(order_id) what is the min no of products(product_id) it has. **(1)**
Max : given an order(order_id) what is the max no of products(product_id) it has. **(1)**
Business limitation: each customer can have one product per order in one transaction.

Product side:
Min : given a product(product_id) what is the min no of orders it can have. **(0)**
Max : given a product(product_id) what is the max no of orders it can have. **(N)**

3. Customer gives customer feedback:
Customer side:
Min : given a customer(customer_id) what is the minimum number of cust feedback he/she can give. **(0)**
Max : given a customer(customer_id) what is the maximum number of cust feedback he/she can give. **(N)**

Cust feedback side:
Min : given a custfeedbak(custfeedback_id) what is the min no of customers that is associated with that feedback. **(1)**
Max : given a custfeedbak(custfeedback_id) what is the max no of customers that is associated with that feedback. **(1)**

4. Customer feedback rates product:
Custfeedbak side:
Min: given a custfeedback(custfeedback_id) what is the min no of products he/she has rated. **(1)**
Max: given a custfeedback(custfeedback_id) what is the max no of products he/she has rated **(1)**

Product side:
Min: given a product(product_id) what is the min no of customer feedback associated with it. **(0)**
Max: given a product(product_id) what is the max no of customer feedback associated with it **(N)**

5. Supplier supplies product
Supplier side:
Min : given a supplier(supplier_id) what is the min no product he/she can supply. **(0)**
Max: given a supplier(supplier_id) what is the max no product he/she can supply. **(N)**

Product side:
Min: given a product(product_id) what is the min no of suppliers associated with it. **(1)**
Max : given a product(product_id) what is the max no of suppliers associated with it. **(1)**

  5. Product has inventory
Product side:
Min : given a product(product_id) what is the min no of inventory(inv_id) entry it can have. **(1)**
Max: given a product(product_id) what is the max no of inventory(inv_id) entry it can have. **(1)**

Inventory side:
Min : given an inventory(inv_id) what is the min no of product(product_id) it can have. **(1)**
Max: given an inventory(inv_id) what is the max no of product(product_id) it can have. **(1)**

  6. Admin manages the supplier.
Admin side:
Min: given a admin(admin_id) what is the min no of supplier he/she can manage.**(1)**
Max : given a admin(admin_id) what is the max no of supplier he/she can manage.**(N)**

Supplier side:
Min : given a supplier(supplier_id) what is the min no of admin he/she can be managed by.**(1)**
Max: given a supplier(supplier_id) what is the max no of admin he/she can be managed by.**(1)**
Business limitation: we have only one admin managing with a pre-populated admin_id, admin_name and password.