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Scenario Breakdown:

In food delivery service, there are terral core components.

- 1) Customers: Users of Source who place orders.
- 2) Restaurents: Provides food êtems available for order.
- 3) Items: Menu items listed by each restaurant
- 4) orders: orders placed by extornors, containing multiple
 5) Delivory deivers: Drivers responsible for delivering orders
- 6) Fredback: Customer feed back on ordon & Service Quanty
- 7) Delivery Status: Traves delivery progress of each order.

Database Design:

) Tably [Customer Table]

CREATE TABLE customous (

customer-id INT PRIMARY KEY AUTO-INCREMENT, name VARCHAR(100) NOT NULL,

emast VARCHAR (100) UNIQUE NOT NULL,

Phone VARCHAR (20),

address TEXT NOT NULL,

Created - al TIMESTAMP DEFAULT CUMUL TIMESTAMP

```
Update delivery status:
Updates the states of an order in derivery states table
CREATE TABLE Updatedelivougstatue
  IN p-order-id INT,
   IN p- states ENUM ('perding', In Transit', Delivered'
 BEGIN
    UPDATE Delivery_status SET status = p-state WHERE
   order-id=p-order-id;
  END; (a housed (soil) lamed ) taket when
3 Assign Driver:-
   CREATE TABLE Assignment (
       IN P-order-id INT,
       IN p-driver - ed INT
  BEGIN
   UPPATE Delivery - Drivers set is-available = FALSE WHERE
  driver-id = p-driver-id;
  INSERT INTO Delivery - states (order - "d, driver-id, states)
   VALUES (P-order-id, P-drivers-id, pending);
  END;
```

```
Sorted procedures:
1) place an order: Insuls a now order & amoriated "tems
CREATE PROCEDURE place order (
    IN p-customer-id INT,
    IN P- restaurant - id INT,
    IN P- Hems JOON.
BEGIN
     DECLARE order-total (Decimal (10,2) Desaud 0);
     ENGITSAEVAST TRATZ
     INSERT INTO orders (Customer-id), restaurant-id, total-aurant)
     Voluces (p-customer_id, p-restaurant _ ed.o);
      SET @ Order-id = LAST - INSERT-ID();
     DECLARE : tem- : d INT;
     DECIARE quantity INT;
     Déclare price permal (10,2);
     For Each item IN JSON - EXRTACT (P-i-lem, 1/8[x]') DO
           SET item-id = item -> 'f. item-id,;
SET quantity = item -> 'f. item-id,;
       SELECT Price ento price From items where item-id
    Interiary order- : tems (order-id, tem-id, quantity, price)
    values@ order-id, item-id. quantity, price);
          order-tobal sorder total + (quantity + price);
```

FOREIGN-1CEY (Costomer-id) References costomers (customer-id)); intermed probability when and methods made grands columns: - feed base - id, order - id, automer id, rading, comment, Created at Purpose: Collent customer feedback to improve Service * Delivery - states table: recommend out his seem Tracks and status & driver intormation for each order. CREATE TABLE DelProy-status status - id INT primary ky, duto -increment, order - ed INT, delsvery ed INT, status ENMU ('Pending!'en Transit!' Delivered') Defaut · Pending! Past-updated TIMESTAMP DE FAULT Current - TIMESTAMP ON UPDATE Current-TIME STAMP, ForseGIN Ky (order-id) References by dors (brder- ad), FOREIGN Keyl deliver-id References Delivery Drivers (driver-id) columns: - status_id, order-id, dreiver-id, status, last-updated. Porpose: Trave progrew of each order delivery & ordate on real time.

Columns: order - elem - ed, order - ed, ilem - ed, quantity, price. Purpose: Manage items within each order, including quantity & when the members to when * Delivery - Brivers Table: Information about driver available for delivery CREATE TABLE Delivery Drivers cheices - "d INT primary key Auto- "NEREMENT, Mame VARCHAR (100), Phone VARCHAR (20), is-available Boolean DEFAULT TRUE. column: driver-ed, name, phone, ?1- avoidable. Purpose: - Trace driver awailability and tacilitate anignment to orders. * Fredbaue table: Stores Seedbaue from Curtomers related to orders. CREATE TABLE Feedback (Ledbaue id INT Milmary Key Auto- iNCREMENT, Contorner-ID INT, rating INT Cheek (rating Between 1 AND 5), comment TEXT FORETGIN- Key (order-id) Reterency orders (order-id),

Restaurants Table:

CREATE TABLE Restaurants

restaurant id INT primary-key Auto- increment,

Name VARCHAR (200) NOT NULL

address Text Not NOLL,

Phone VARCHAR (20),

Created at TIMESTAMP DEFAULT CURREN

Columns: - restaurant - red, name, address, phone and created - at Purpose: - provide restaurant détails, essential for connenting menu items and facilitating delivery logistics.

Items TAble:

Story individual items within an order.

CREATE TABLE order- Hemy

Order Item - ?d INT RRIMARY KEY Auto - ENCREMENT.

Order - id . INT,

item-id INT,

quantity INT NOT NOLL,

perice Deermal (10,2) NOT NOLL,

FOREIGN Key (order-id) References orders (order-id)

ON DELETE CASCADE, FOREIGN Key (1+cm. ed) References Item (item-id)