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Case 5 – Jalapeno Restaurant

You are recently joined one of the local restaurants as a manager. Restaurant is open 7 day a week and provide many Mexican foods include breakfast. Currently you do not have any tracking /control system about the customers and cost of the food plate. Currently they are charging same price the rest of the nearby restaurants. You are going to change this behavior and find the real cost of the plate.

PS: labor will not affect the cost of plate. Do not include salary of cooks, servers etc.

Your rules are very clear:

* Customer can have many orders and pay the bill
* Restaurant is working with many local grocery stores and purchasing many fresh products daily basis.
* Some customers book the table, walk-ins are welcome also.
* Each plate has cost, and it is in menu (please assume menu is fixed and not changing however price of menu items may change)
* Restaurant is offering consumer mail list for coupon and/or discount
* There are multiple payment options for the customer
* Customers walking in need to go the reception where they can book a table of their choice on the booking portal
* Only one coupon is offered to customers after a payment
* Customer makes payment.
* Customer gives out orders and these orders brings them the food.
* Kitchen takes items from restaurant storage
* Each order taken from the customer goes to kitchen where the food is cooked.
* Raw materials are bought from the grocery store and it goes into the restaurant storage

Entities and attributes

1. Customer – cust\_id(PK), cust\_name, age, cust\_email
2. Order – item\_id (PK), item\_name, item\_price, cust\_id(FK)
3. Kitchen – item\_id(FK), food\_id(PK)
4. Payment – pmt\_type, pmt\_id(PK), item\_price, cust\_id(FK)
5. Coupon - pmt\_id(FK), cust\_email, coupon\_code(PK)
6. Grocery Store – shop\_id, shop\_name, product\_id(PK), quantity
7. Restaurant storage – product\_id(FK), product\_name (CPK), quantity(CPK), food\_id(FK)
8. Booking portal – cust\_id(FK), table\_no (CPK), book\_time (CPK)

ERD Diagram

