**Table with field description**

1. **Restaurant Staff:**

The entity provides details about the working staff on the restaurant and their role and responsibilities.

* Id is int primary key for the table to identify the working staff in the restaurant.
* name is varchar column to have name of the staff.
* Role is varchar column to know the role of the staff .

Example: chef, waiter and manager

* Department is varchar column to know the department.

Example: Kitchen, floor manager.

* mobile is varchar column to have the mobile number.
* mail is varchar column to have the email.
* address is varchar column to have the address.

1. **Menu**:

The entity provides details about the serving at the restaurant along with cost.

* Id is int primary key for menu available at the restaurant.
* name is varchar column to have name of the item.
* cost is float attribute which tells us about the price of the item in the restaurant.

1. **Orders:**

The entity provides details about the orders and quantity details.

* Id is int primary key for orders at the restaurant.
* menu\_id is int foreign key attribute which links orders with the available menu.
* table\_no is int attribute to link orders for total billing .
* customer\_id is int foreign key attribute which links customer with the orders placed.
* staff\_id is int foreign key attribute which links staff managing the customer.
* Datetime is datetime when the order is place from the table.
* Quantity is int attribute which tells us about the quantity of the item ordered.
* Subtotal is float attributes which tells us about the subtotal for the item ordered.

1. **Reservation:**

The entity provides details about the table availability and the number of customers a table can accommodate along with customer reference.

* Id is int primary key for reservations at the restaurant.
* customer\_id is int foreign key which maps customer to the reservation entity.
* Datetime is datetime at which the reservation is booked.
* number of guest is int which gives information about the number of guests for the reservation.

1. **Customer:**

The entity provides details about the customers .

* Id is int primary key for customers.
* Name is varchar which capture the name of the customer.
* Mobile is varchar which capture the mobile number of the customer.
* Email is varchar which capture the email address of the customer.
* Dob is date column to capture the age of the customer.
* Gender is varchar to capture the gender of the customer.
* Address is varchar to capture the address of the customer.

1. **Payment:**

The entity provides details about the payment details of the orders.

* id is int primary key for payments.
* customer\_id is int foreign key which helps to map payments to customers.
* Datatime is datetime field when the payment is made.
* Type is varchar and capture the different types of payments like online, card and cash.
* Total is float which tell us about the total amount to be paid.

1. BY joining orders with menu we can find the most order item and also help to identify the most sold items from the menu.
2. By analysing the reservation table we can find the most booked data for the restaurant or when it will be busy so that it can be planned accordingly.
3. By analysing the order with menu we can maintain our inventory so that we don’t waste item as well we need the ingredients for our top items.
4. The staff has many to one relation with the order table as a staff can work on multiple orders.