DBMS MINI-PROJECT RESTAURANT MANAGEMENT SYSTEM

(MIS NO's. 111903135, 111903137)

Problem Statement:

Creating a database management system for a restaurant to manage customers, employees, orders and food items.

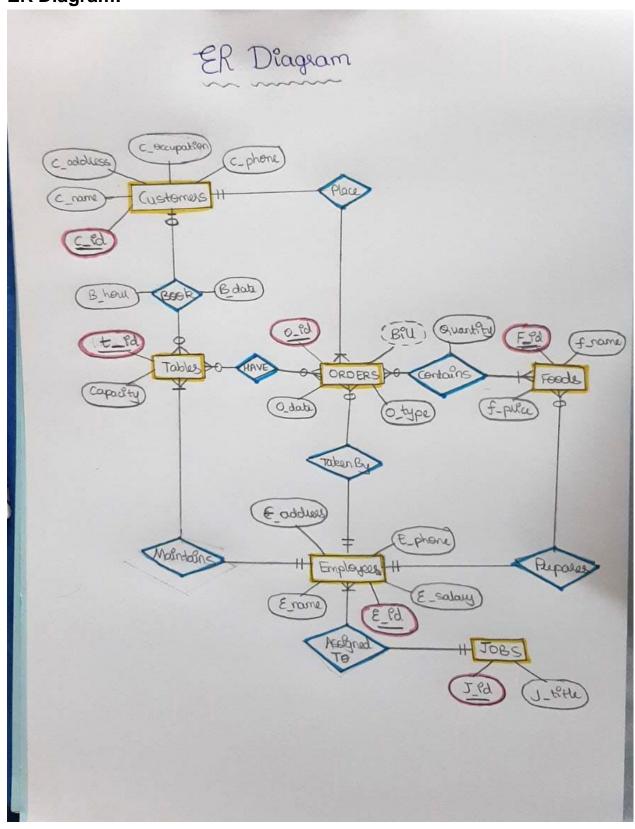
Objectives:

- The database would contain data about the customers and employees as well as food items and order details.
- This restaurant management database can monitor the employees of the restaurant to ensure proper management of the restaurant.
- To enhance efficiency to be able to manage the restaurant in a better manner.

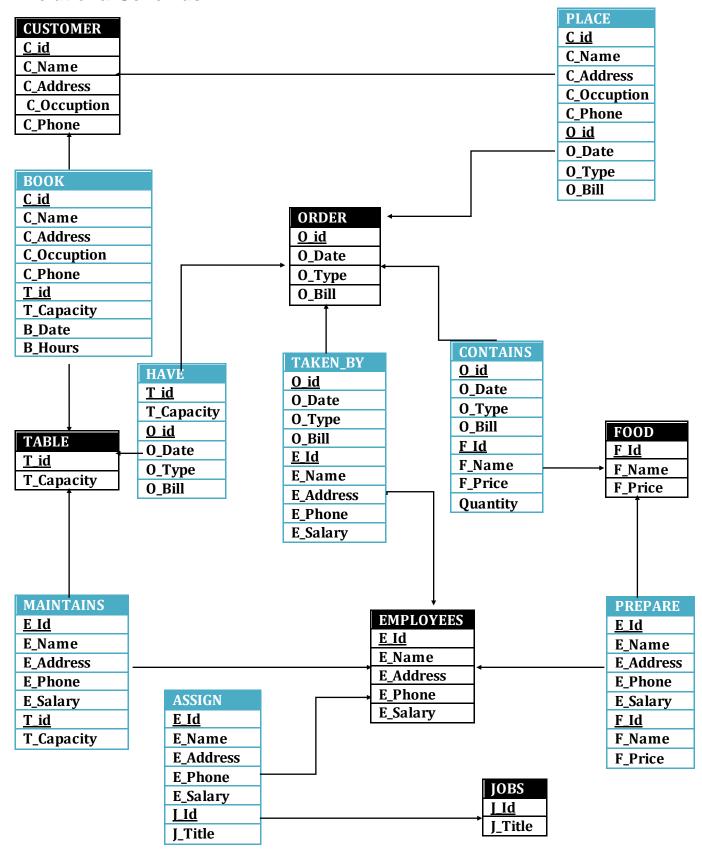
Functional Requirements:

- ❖ The system is able to see bookings or orders of a restaurant.
- To find out all employees and monitor their activity.
- ❖ To be able to identify best selling and least selling food items.

ER Diagram:



Relational Schemas:



Functional Dependencies:

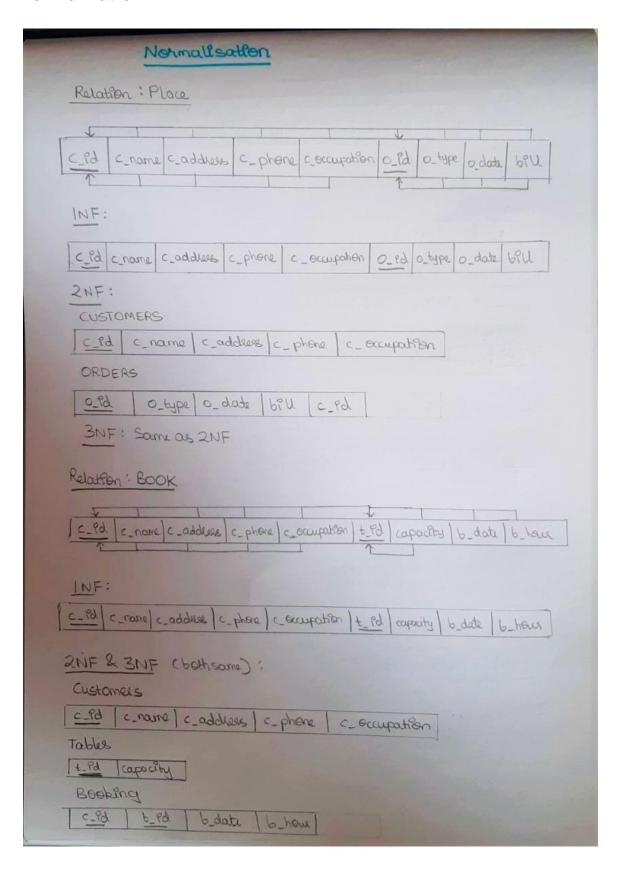
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(CUSTOMER)c_id -> (CUSTOMER) c_name, c_address, c_phone, c_occupation
(tables)t_id -> (tables) t_id, capacity, e_id

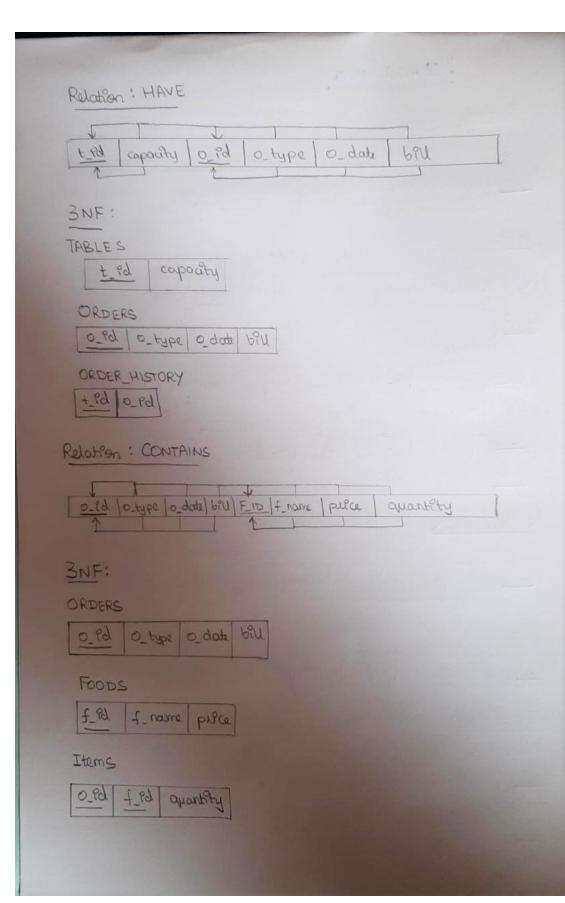
(Orders) o_id -> (Orders)o_date, o_type

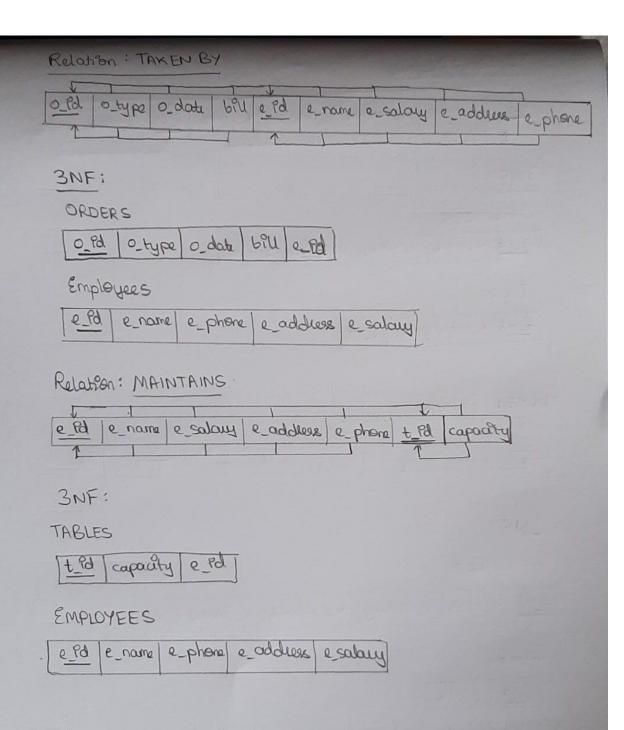
(Foods) f_id -> (Foods)f_name, f_price

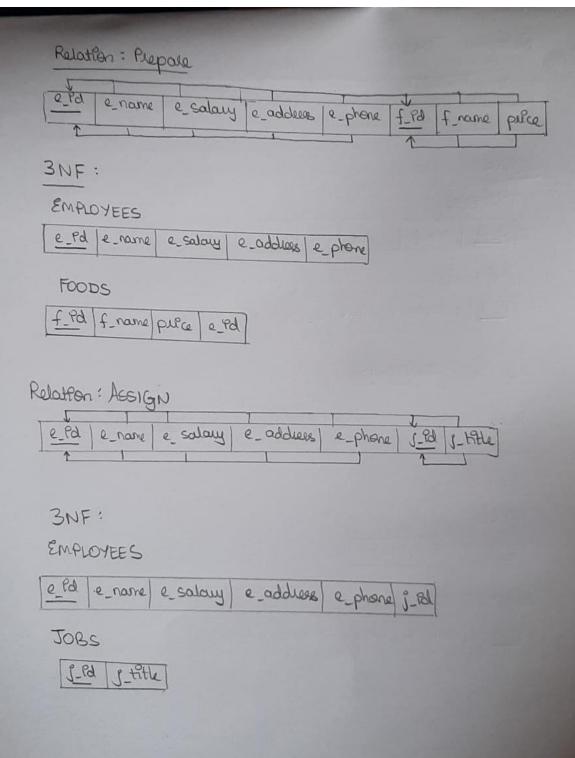
(Employees) e_id -> (Employees)e_name, e_address, e_salary, e_phone
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Normalization:









Normalized Tables (up to 3NF)

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O_id	F_id	quantity
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ORDERS

O_id	O_type	O_date	bill	C_id	E_id
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ORDER_HISTORY

T_id	O_id

JOBS

J_id	J_title

EMPLOYEES

	E_id	E_name	E_phone	e_address	E_salary	J_id
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FOODS

F_id F_name price E_id

TABLES

T_id	capacity	E_id
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BOOKING

C_id	T id	B date	B hour
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CUSTOMERS

C_id C_name	C_address	C_phone	C_occupation
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