



NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
Department of Computer Science and Engineering

Database Management System

PROJECT

ON

FOOD DELIVERY SYSTEM DATABASE

Designed by-

Team Members:

1. Rishmitha Rachakonda

Roll No: 22CSB0C15

Section: A

2. Obulapuram Sunitha Pavani

Roll No: 22CSB0B11

Section: B

Problem Statement:

Designing a Database supporting given functionalities:

Exploring different restaurants in the area, accessing menus of the restaurants, working of order system, data storage for an order, delivery work, payment details, tracking location of delivery agent, discounts on payments, rating of food and delivery agents, status of restaurants (open/close).

Assumptions:

- A person can use only one phone number for his/her account.
- A person can have only one account.
- Account is created using email_id , so that previous history is retained.
- A customer can order multiple orders.
- Hotel and item_name together determines the item type of an item.
- An order can contain multiple order_items.
- Multiple customers can order a menu_item and multiple menu_items can be ordered by a customer.
- A discount can be availed by multiple customers.
- A delivery agent can deliver multiple orders.
- A menu_item can be an order_item for multiple customers.
- Each order will have a single payment.
- In each order, order_items can be only from a particular restaurant.

Flow of Process:

- Basic details , email_id , location are prompted from the user to use the system.
- Restaurants in the same city (using the pin code) are displayed to the user.
- User views items and their rating from the selected restaurant.
- User selects the items of a particular restaurant and adds items to the cart. User mentions the quantity of each item and specifications as well.
- User orders items from the cart of required quantity and specifications(specifications from the cart can be changed) by making payment with applicable discounts.
- Users can see the status of the order.
- A delivery agent is assigned to the order.
- User can see the location of the order and information regarding the delivery agent assigned to the order
- Users can rate the order and delivery agent as well.

Some queries:

- Query to find total amount of a order:

```
SELECT sum(o.quantity*m.cost)
FROM order_item o INNER JOIN menu_item m
ON (o.hotel_id=m.hotel_id AND
o.item_name=m.item_name)
WHERE order_id=1;
```

Output:

	sum(o.quantity*m.cost)
▶	300

- Query to find all order_items of a given customer:

```
SELECT order_item.order_id ,
order_item.item_name , restaurant.name
FROM order_t INNER JOIN order_item ON
order_item.order_id=order_t.order_id INNER JOIN
restaurant
ON order_t.hotel_id=restaurant.hotel_id
WHERE cust_id="rr22csb0c15@student.nitw.ac.in";
```

Output:

	order_id	item_name	name
▶	1	Mushroom Chilli	Golden joy

- Query to find all hotels in same city:

```
SELECT restaurant.name
from restaurant
```

```
where restaurant.pincode=520001;
```

Output:

name
Dalchin
Vivanta

- Query to display menu items of restaurant:

```
SELECT item_name  
from menu_item  
where hotel_id=1;
```

Output:

item_name
Chicken Biryani
Paneer Biryani

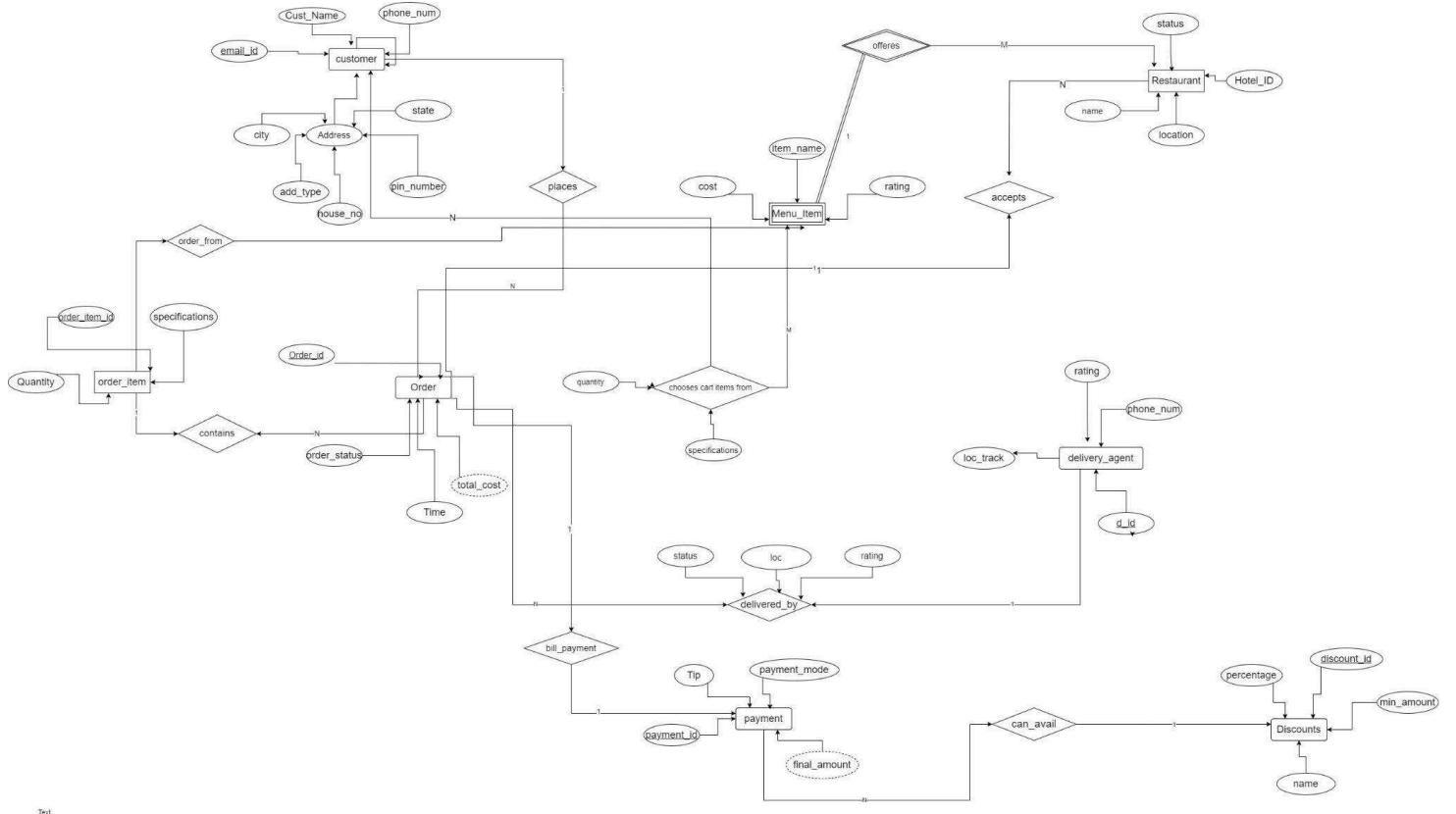
- Query to find details of delivery agent of particular order:

```
SELECT *  
FROM delivery INNER JOIN delivery_agent ON  
delivery.d_id=delivery_agent.d_id  
WHERE delivery.order_id=2;
```

Output:

	order_id	d_id	status	loc	delivery_rating	d_id	name	phone_num	rating
▶	2	6	Order packed	At the restaurant	3	6	ASAP	+917890123456	5

ER Diagram:



ER Diagram for a food delivering system

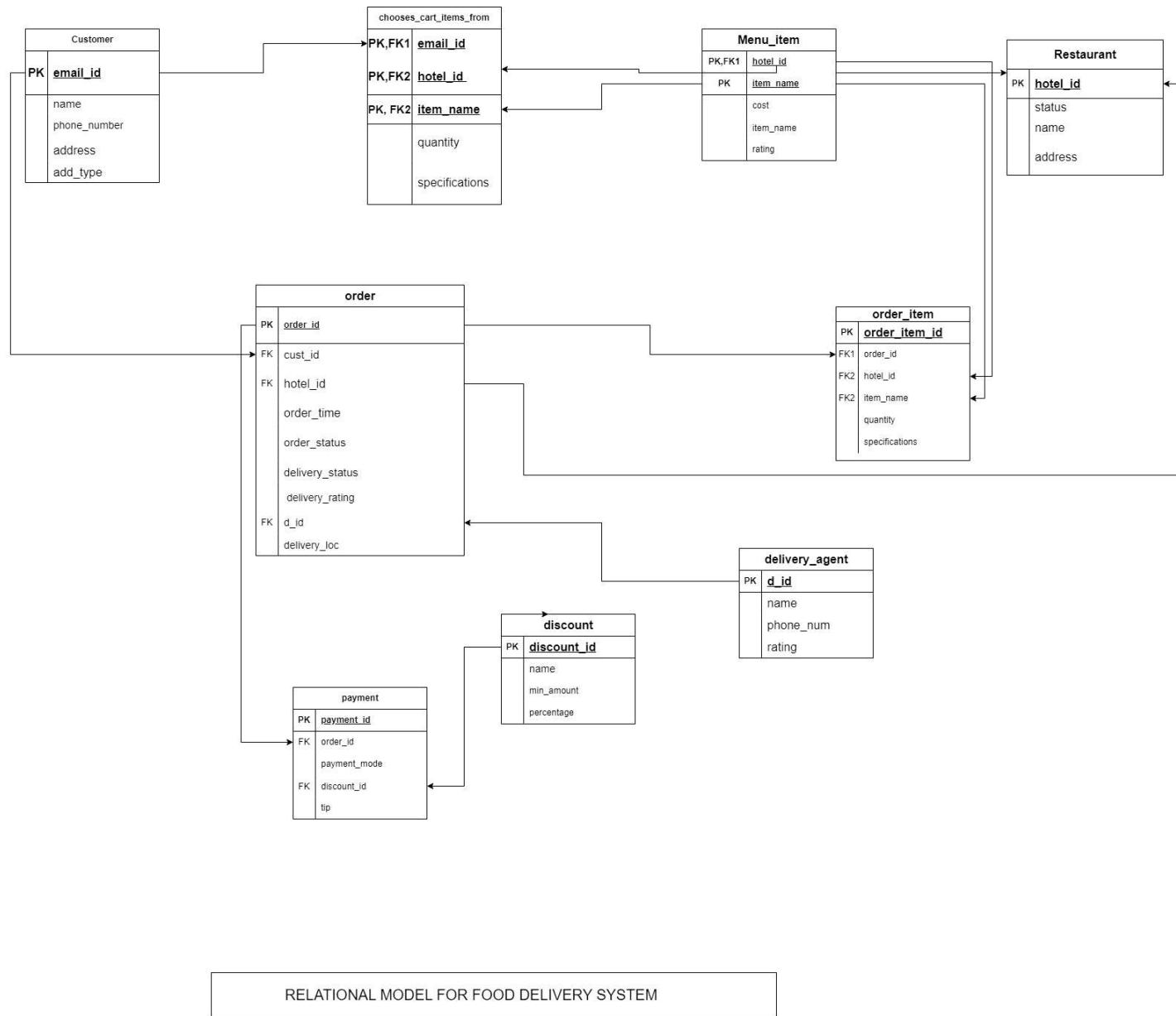
Converting ER diagram in to relational model:

To convert er model in to relational model:

- If there exists a 1: 1 relation between two entities , we add the primary key of one entity as a foreign key of another entity.
- If there exists a 1:N relationship between two entities, we add the primary key of the 1 side entity to the N side entity as a foreign key.
- If there is a M:N relationship between entities , we make a separate relationship table having primary keys of both entities.

By following the above rules ER diagram is converted into a relational model

Relational Model:



Normalization:

To avoid anomalies, all tables are normalized either into 3NF or BCNF.

1.Customer:

In this relation, attributes will be email_id, name, phone_num, address. But, a customer can have multiple addresses (home, office, other). Then the relation violates 1NF. So, a separate relation for customer address (cust_add) is created. Then the customer relation converts into both 3NF and BCNF forms.

- Primary key: email_id
- Attributes: email_id, name, phone_num
- Functional dependencies:
 $\{email_id \rightarrow name\}$
 $\{email_id \rightarrow phone_num\}$
- Normalized form: 3NF and BCNF

2.Cust_add:

This relation has cust_id as foreign key referenced from customer relation. Attributes will be cust_id, add_type, pincode, city, state. Then, functional dependencies are:

$\{cust_id, add_type \rightarrow pin\ code\}$
 $\{pin\ code \rightarrow city, state\}$

But, due to transitive dependencies the relation will not be in 3NF and data redundancies occur. So, a separate relation (cities) is created. Then the customer relation converts into both 3NF and BCNF forms.

- Primary key: cust_id, add_type
- Foreign keys:
cust_id (referenced from customer), pincode(referenced from cities)
- Attributes: cust_id, add_type, house_no, pincode
- Functional dependencies:
 $\{ \text{cust_id}, \text{add_type} \rightarrow \text{house_no} \}$
 $\{ \text{cust_id}, \text{add_type} \rightarrow \text{pin code} \}$
- Normalized form: 3NF and BCNF

3.Cities:

This relation has attributes pincode, city, state. Only primary key determines all other attributes in the relation. Hence, the relation will be in both 3NF and BCNF forms.

- Primary key: pincode
- Attributes: pincode, city, state
- Functional dependencies:
 $\{ \text{pincode} \rightarrow \text{city} \}$
 $\{ \text{pincode} \rightarrow \text{state} \}$
- Normalized form: 3NF and BCNF

4.Restaurant:

Attributes in restaurant relation will be hotel_id, name, status, house_no, pincode, city, state.

Then, these functional dependencies will cause anomalies:

$\{ \text{hotel_id} \rightarrow \text{pin code} \}$

{pincode -> city , state}

This has transitive dependency and data redundancy, hence not in 3NF. So, the relation cities can be used to store pincode , city , state. Then, it will be in 3NF and BCNF forms.

- Primary key: hotel_id
- Foreign key: pincode(referenced from cities)
- Attributes: hotel_id, name, status, house_no, pincode
- Functional dependencies:
 {hotel_id -> name}
 {hotel_id ->status}
 {hotel_id ->house_no}
 {hotel_id ->pincode}
- Normalized form: 3NF and BCNF

5.Menu_item (Weak entity):

This is a *weak entity* that is in total participation with the restaurant entity. Hotel_id is foreign key referenced from the strong entity restaurant. Attributes will be hotel_id, item_name(discriminator), cost, rating, item_type(Veg, Non-Veg). This will now be converted into 3NF and BCNF forms.

- Discriminator: item_name
- Primary key: hotel_id , item_name
- Foreign key: hotel_id(referenced from restaurant)
- Attributes: hotel_id, item_name, cost, rating, item_type
- Functional dependencies:
 {hotel_id , item_name -> cost}
 {hotel_id , item_name ->rating}
 {hotel_id , item_name ->item_type}

- Normalized form: 3NF and BCNF

6.Cart_item:

This relation contains many-many relationship between customer and menu_item. Hence, primary keys of both entities become the primary key of this relation i.e {hotel_id, cust_id, item_name}. The relation also contains the attributes quantity and specifications.

{hotel_id, cust_id, item_name}, the primary key determines all other attributes. So, this relation is in 3NF and BCNF forms.

- Primary key: hotel_id, cust_id, item_name
- Foreign keys: hotel_id, item_name(referenced from menu_item), cust_id(referenced from customer)
- Attributes: hotel_id, cust_id, item_name, quantity, specifications.
- Functional dependencies:
 $\{hotel_id, cust_id, item_name \rightarrow quantity\}$
 $\{hotel_id, cust_id, item_name \rightarrow specifications\}$
- Normalized form: 3NF and BCNF

7.Order:

Attributes will be hotel_id(referenced from restaurant), cust_id(referenced from customer), attributes order_time, order_status, d_id, status, loc, rating.

delivery relation gives the 1:n relationship between order and delivery agent. But, it also contains status, loc, rating as attributes.

If we include delivery in the order entity the functional dependencies are:

$\{order_id, d_id \rightarrow hotel_id, cust_id, order_time, order_status\}$
 $\{d_id \rightarrow status, loc, rating\}$

This has transitive dependency and data redundancy, hence not in 3NF. So, a separate relation for delivery is created. This changes the relation into 3NF and BCNF forms.

- Primary key: order_id
- Foreign keys: hotel_id(referenced from restaurant), cust_id, order_time, order_status
- Attributes: hotel_id, cust_id, order_time, order_status
- Functional dependencies:
 $\{order_id \rightarrow hotel_id\}$
 $\{order_id \rightarrow cust_id\}$
 $\{order_id \rightarrow order_time\}$
 $\{order_id \rightarrow order_status\}$
- Normalized form: 3NF and BCNF

8.Order_item:

There is 1:n relationship between order and order_item. Hence order_id will be a foreign key from order relation. This also references hotel_id and item_name from the relation menu_itemThe primary key order_item_id determines all other attributes. So, this relation is in 3NF and BCNF forms.

- Primary key: order_item_id
- Foreign keys: order_id(referenced from order), hotel_id, item_name(referenced from menu_item), quantity, specifications
- Attributes: order_item_id, order_id, hotel_id, item_name, quantity, specifications
- Functional dependencies:
 $\{order_item_id \rightarrow order_id\}$

{order_item_id -> hotel_id}
{order_item_id -> item_name}
{order_item_id -> quantity}
{order_item_id -> specifications}

- Normalized form: 3NF and BCNF

9.Payment:

This relation will contain attributes payment_id, order_id, payment_mode, tip, discount_id. discount_id is a foreign key referenced from the discount entity. Only primary key determines all other attributes in the relation. Hence, the relation will be in both 3NF and BCNF forms.

- Primary key: payment_id
- Foreign key: discount_id(referenced from discount)
- Attributes: payment_id, order_id, payment_mode, tip, discount_id
- Functional dependencies:
{payment_id -> order_id}
{payment_id -> payment_mode}
{payment_id -> tip}
{payment_id -> discount_id}
- Normalized form: 3NF and BCNF

10.Discount:

This relation has attributes discount_id, name, min_amount, percentage. Only primary key determines all other attributes in the relation. Hence, the relation will be in both 3NF and BCNF forms.

- Primary key: discount_id
- Attributes: discount_id, name, min_amount, percentage
- Functional dependencies:
 - {discount_id->name}
 - {discount_id->min_amount}
 - {discount_id->percentage}
- Normalized form: 3NF and BCNF

11.Delivery_agent:

This relation has attributes d_id, name, phone_num, rating. Only primary key determines all other attributes in the relation. Hence, the relation will be in both 3NF and BCNF forms.

- Primary key: d_id
- Attributes: d_id, name, phone_num, rating
- Functional dependencies:
 - {d_id -> name}
 - {d_id ->phone_num}
 - {d_id ->rating}
- Normalized form: 3NF and BCNF

12.Delivery:

This 1:n relationship contains attributes status, loc, rating. If we add this relationship on the 'n' side relation, the relation will have transitive dependencies. Hence, a relation is created with primary keys of both order and delivery agent as primary key of this relation also including its attributes.

$\{order_id, d_id\}$, the primary key (also individually foreign keys) determines all other attributes in the relation. Hence, the relation will be in both 3NF and BCNF forms.

- Primary key: $order_id, d_id$
- Foreign keys: $order_id$ (referenced from $order$), d_id (referenced from $delivery_agent$)
- Attributes: $order_id, d_id, status, loc, rating$
- Functional dependencies:
 $\{order_id, d_id \rightarrow status\}$
 $\{order_id, d_id \rightarrow loc\}$
 $\{order_id, d_id \rightarrow rating\}$
- Normalized form: 3NF and BCNF

Creating Schema:

```
CREATE SCHEMA `food_delivery_system` ;
```

Creating tables and inserting data:

1. CITIES

```
CREATE TABLE food_delivery_system.cities (
    pincode INT NOT NULL,
    city VARCHAR(45) NOT NULL,
    state VARCHAR(45) NOT NULL,
    PRIMARY KEY (pincode));
```

	Field	Type	Null	Key	Default	Extra
▶	pincode	int	NO	PRI	NULL	
	city	varchar(45)	NO		NULL	
	state	varchar(45)	NO		NULL	

Data:

```
INSERT INTO cities VALUES ('600001', 'chennai', 'tamil nadu');
INSERT INTO cities VALUES ('560002', 'bengaluru', 'karnataka');
INSERT INTO cities VALUES ('302001', 'jaipur', 'rajasthan');
INSERT INTO cities VALUES ('110001', 'delhi', 'delhi');
INSERT INTO cities VALUES ('400001', 'mumbai', 'maharashtra');
INSERT INTO cities VALUES ('700001', 'kolkata', 'west bengal');
INSERT INTO cities VALUES ('411001', 'pune', 'maharashtra');
INSERT INTO cities VALUES ('380001', 'ahmedabad', 'gujarat');
INSERT INTO cities VALUES ('500001', 'hyderabad', 'telangana');
INSERT INTO cities VALUES ('520001', 'vijayawada', 'andhra pradesh');
```

	pincode	city	state
▶	110001	delhi	delhi
	302001	jaipur	rajasthan
	380001	ahmedabad	gujarat
	400001	mumbai	maharashtra
	411001	pune	maharashtra
	500001	hyderabad	telangana
	520001	vijayawada	andhra pradesh
	560002	bengaluru	karnataka
	600001	chennai	tamil nadu
	700001	kolkata	west bengal

2. RESTAURANT

```
CREATE TABLE `food_delivery_system`.`restaurant` (
  `hotel_id` INT NOT NULL AUTO_INCREMENT,
  `status` VARCHAR(45) NULL DEFAULT NULL,
  `house_no` VARCHAR(45) NOT NULL,
  `pincode` INT NOT NULL,
  `name` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`hotel_id`),
  UNIQUE INDEX `hotel_id_UNIQUE` (`hotel_id` ASC) VISIBLE,
  INDEX `FK_hotel_pin_idx` (`pincode` ASC) VISIBLE,
```

```

CONSTRAINT `FK_hotel_pin`
FOREIGN KEY (`pincode`)
REFERENCES `food_delivery_system`.`cities` (`pincode`)
ON DELETE CASCADE
ON UPDATE CASCADE);

```

	Field	Type	Null	Key	Default	Extra
▶	hotel_id	int	NO	PRI	NULL	auto_increment
	status	varchar(45)	YES		NULL	
	house_no	varchar(45)	NO		NULL	
	pincode	int	NO	MUL	NULL	
	name	varchar(45)	NO		NULL	

Data:

```

INSERT INTO restaurant VALUES (1, 'Open', '2-789', '520001', 'Dalchin');
INSERT INTO restaurant VALUES (2, 'Closed', '3-628', '520001', 'Vivanta');
INSERT INTO restaurant VALUES (3, 'Open', '6-826', '110001', 'Parikrama');
INSERT INTO restaurant VALUES (4, 'Closed', '2-279', '110001', 'Kiyan');
INSERT INTO restaurant VALUES (5, 'Open', '5-459', '380001', 'Tinello');
INSERT INTO restaurant VALUES (6, 'Open', '8-582', '380001', 'Bayleaf');
INSERT INTO restaurant VALUES (7, 'Open', '6-742', '560002', 'Lotus Pavilion');
INSERT INTO restaurant VALUES (8, 'Closed', '8-284', '560002', 'Jamavar');
INSERT INTO restaurant VALUES (9, 'Open', '5-428', '400001', 'Citrus');
INSERT INTO restaurant VALUES (10, 'Open', '4-826', '400001', 'Fifty five east');
INSERT INTO restaurant VALUES (11, 'Open', '4-852', '411001', 'Senses');
INSERT INTO restaurant VALUES (12, 'Closed', '2-485', '411001', 'Spice Kitchen');
INSERT INTO restaurant VALUES (13, 'Open', '8-284', '302001', 'Suvarna');
INSERT INTO restaurant VALUES (14, 'Open', '4-252', '302001', 'The rajput room');
INSERT INTO restaurant VALUES (15, 'Open', '3-473', '600001', 'The crown');
INSERT INTO restaurant VALUES (16, 'Closed', '8-743', '600001', 'Paprika');
INSERT INTO restaurant VALUES (17, 'Open', '4-273', '500001', 'Amara');
INSERT INTO restaurant VALUES (18, 'Closed', '7-274', '500001', 'So the sky kitchen');
INSERT INTO restaurant VALUES (19, 'Open', '3-243', '700001', 'The bridge');
INSERT INTO restaurant VALUES (20, 'Closed', '8-421', '700001', 'Golden joy');

```

	hotel_id	status	house_no	pincode	name
▶	1	Open	2-789	520001	Dalchini
	2	Closed	3-628	520001	Vivanta
	3	Open	6-826	110001	Parikrama
	4	Closed	2-279	110001	Kiyan
	5	Open	5-459	380001	Tinello
	6	Open	8-582	380001	Bayleaf
	7	Open	6-742	560002	Lotus Pavilion
	8	Closed	8-284	560002	Jamavar
	9	Open	5-428	400001	Citrus
	10	Open	4-826	400001	Fifty five east
	11	Open	4-852	411001	Senses
	12	Closed	2-485	411001	Spice Kitchen
	13	Open	8-284	302001	Suvarna
	14	Open	4-252	302001	The rajput room
	15	Open	3-473	600001	The crown
	16	Closed	8-743	600001	Paprika
	17	Open	4-273	500001	Amara
	18	Closed	7-274	500001	So the sky kitchen
	19	Open	3-243	700001	The bridge
	20	Closed	8-421	700001	Golden joy

3. CUSTOMER

```
CREATE TABLE `food_delivery_system`.`customer` (
  `email_id` VARCHAR(45) NOT NULL,
  `name` VARCHAR(45) NOT NULL,
  `phone_number` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`email_id`),
  UNIQUE INDEX `email_id_UNIQUE` (`email_id` ASC) VISIBLE);
```

	Field	Type	Null	Key	Default	Extra
▶	email_id	varchar(45)	NO	PRI	NULL	
	name	varchar(45)	NO		NULL	
	phone_number	varchar(45)	NO		NULL	

Data:

```
INSERT INTO customer VALUES ('os22csb0b11@student.nitw.ac.in', 'Obulapuram Sunitha Pavani', '+917207031065');
INSERT INTO customer VALUES ('rr22csb0c15@student.nitw.ac.in', 'Rachakonda Rishmitha', '+919381721301');
```

```

INSERT INTO customer VALUES ('tl22csb0c16@student.nitw.ac.in', 'Talluri Laasya', '+917659976939');
INSERT INTO customer VALUES ('cg22csb0b09@student.nitw.ac.in', 'Chamarthy Geethanjali', '+918331097026');
INSERT INTO customer VALUES ('pa22csb0c08@student.nitw.ac.in', 'Pareddy Anshitha Reddy', '+919347281978');
INSERT INTO customer VALUES ('lv22csb0c33@student.nitw.ac.in', 'Lagishetti Vaishnavi', '+917013170493');
INSERT INTO customer VALUES ('kp22csb0c30@student.nitw.ac.in', 'Kanneboyina Pragna', '+919347058117');
INSERT INTO customer VALUES ('ks22csb0c11@student.nitw.ac.in', 'Kalakota Sai chinmai', '+919392001305');
INSERT INTO customer VALUES ('ba22csb0b12@student.nitw.ac.in', 'Bethi Aashritha Reddy', '+919700575007');

```

	email_id	name	phone_number
▶	ba22csb0b12@student.nitw.ac.in	Bethi Aashritha Reddy	+919700575007
	cg22csb0b09@student.nitw.ac.in	Chamarthy Geethanjali	+918331097026
	kp22csb0c30@student.nitw.ac.in	Kanneboyina Pragna	+919347058117
	ks22csb0c11@student.nitw.ac.in	Kalakota Sai chinmai	+919392001305
	lv22csb0c33@student.nitw.ac.in	Lagishetti Vaishnavi	+917013170493
	os22csb0b11@student.nitw.ac.in	Obulapuram Sunita Pavani	+917207031065
	pa22csb0c08@student.nitw.ac.in	Pareddy Anshitha Reddy	+919347281978
	rr22csb0c15@student.nitw.ac.in	Rachakonda Rishmitha	+919381721301
	tl22csb0c16@student.nitw.ac.in	Talluri Laasya	+917659976939

4. CUST_ADD

```

CREATE TABLE `food_delivery_system`.`cust_add` (
  `cust_id` VARCHAR(55) NOT NULL,
  `add_type` VARCHAR(45) NOT NULL,
  `house_no` VARCHAR(45) NOT NULL,
  `pin_number` INT NOT NULL,
  PRIMARY KEY (`cust_id`, `add_type`),
  INDEX `FK_pincode_idx` (`pin_number` ASC) VISIBLE,

```

```

CONSTRAINT `FK_cust`
    FOREIGN KEY (`cust_id`)
    REFERENCES `food_delivery_system`.`customer` (`email_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
CONSTRAINT `FK_pincode`
    FOREIGN KEY (`pin_number`)
    REFERENCES `food_delivery_system`.`cities` (`pincode`)
    ON DELETE CASCADE
    ON UPDATE CASCADE);

```

	Field	Type	Null	Key	Default	Extra
▶	cust_id	varchar(55)	NO	PRI	NULL	
	add_type	varchar(45)	NO	PRI	NULL	
	house_no	varchar(45)	NO		NULL	
	pin_number	int	NO	MUL	NULL	

Data:

```

INSERT INTO cust_add VALUES ('ba22csb0b12@student.nitw.ac.in', 'home', '4-123', '500001');
INSERT INTO cust_add VALUES ('cg22csb0b09@student.nitw.ac.in', 'home', '3-567', '110001');
INSERT INTO cust_add VALUES ('kp22csb0c30@student.nitw.ac.in', 'home', '8-675', '520001');
INSERT INTO cust_add VALUES ('ks22csb0c11@student.nitw.ac.in', 'home', '4-729', '411001');
INSERT INTO cust_add VALUES ('lv22csb0c33@student.nitw.ac.in', 'office', '3-823', '400001');
INSERT INTO cust_add VALUES ('os22csb0b11@student.nitw.ac.in', 'home', '8-729', '520001');
INSERT INTO cust_add VALUES ('pa22csb0c08@student.nitw.ac.in', 'office', '7-622', '411001');
INSERT INTO cust_add VALUES ('rr22csb0c15@student.nitw.ac.in', 'home', '2-838', '500001');

```

```
INSERT INTO cust_add VALUES ('tl22csb0c16@student.nitw.ac.in', 'home', '6-732',  
'500001');  
INSERT INTO cust_add VALUES ('pa22csb0c08@student.nitw.ac.in', 'home', '4-186',  
'520001');  
INSERT INTO cust_add VALUES ('cg22csb0b09@student.nitw.ac.in', 'office', '3-726',  
'500001');  
INSERT INTO cust_add VALUES ('ba22csb0b12@student.nitw.ac.in', 'office', '4-724',  
'110001');  
INSERT INTO cust_add VALUES ('os22csb0b11@student.nitw.ac.in', 'office', '6-567',  
'560002');  
INSERT INTO cust_add VALUES ('os22csb0b11@student.nitw.ac.in', 'other', '4-271',  
'600001');  
INSERT INTO cust_add VALUES ('pa22csb0c08@student.nitw.ac.in', 'other', '5-872',  
'400001');  
INSERT INTO cust_add VALUES ('cg22csb0b09@student.nitw.ac.in', 'other', '7-723',  
'700001');  
INSERT INTO cust_add VALUES ('rr22csb0c15@student.nitw.ac.in', 'office', '2-373',  
'560002');  
INSERT INTO cust_add VALUES ('rr22csb0c15@student.nitw.ac.in', 'other', '5-238',  
'400001');  
INSERT INTO cust_add VALUES ('ba22csb0b12@student.nitw.ac.in', 'other', '8-824',  
'380001');  
INSERT INTO cust_add VALUES ('kp22csb0c30@student.nitw.ac.in', 'office', '2-895',  
'560002');  
INSERT INTO cust_add VALUES ('kp22csb0c30@student.nitw.ac.in', 'other', '8-585',  
'411001');  
INSERT INTO cust_add VALUES ('tl22csb0c16@student.nitw.ac.in', 'office', '6-829',  
'400001');  
INSERT INTO cust_add VALUES ('tl22csb0c16@student.nitw.ac.in', 'other', '2-868',  
'700001');  
INSERT INTO cust_add VALUES ('lv22csb0c33@student.nitw.ac.in', 'home', '3-828',  
'302001');  
INSERT INTO cust_add VALUES ('lv22csb0c33@student.nitw.ac.in', 'other', '2-153',  
'110001');  
INSERT INTO cust_add VALUES ('ks22csb0c11@student.nitw.ac.in', 'office', '4-924',  
'400001');
```

```
INSERT INTO cust_add VALUES ('ks22csb0c11@student.nitw.ac.in', 'other', '6-289', '560002');
```

	cust_id	add_type	house_no	pin_number
	ba22csb0b12@student.nitw.ac.in	office	4-724	110001
	ba22csb0b12@student.nitw.ac.in	other	8-824	380001
	cg22csb0b09@student.nitw.ac.in	home	3-567	110001
	cg22csb0b09@student.nitw.ac.in	office	3-726	500001
	cg22csb0b09@student.nitw.ac.in	other	7-723	700001
	kp22csb0c30@student.nitw.ac.in	home	8-675	520001
	kp22csb0c30@student.nitw.ac.in	office	2-895	560002
	kp22csb0c30@student.nitw.ac.in	other	8-585	411001
	ks22csb0c11@student.nitw.ac.in	home	4-729	411001
	ks22csb0c11@student.nitw.ac.in	office	4-924	400001
	ks22csb0c11@student.nitw.ac.in	other	6-289	560002
	lv22csb0c33@student.nitw.ac.in	home	3-828	302001
	lv22csb0c33@student.nitw.ac.in	office	3-823	400001
	lv22csb0c33@student.nitw.ac.in	other	2-153	110001
	os22csb0b11@student.nitw.ac.in	home	8-729	520001
	os22csb0b11@student.nitw.ac.in	office	6-567	560002
	os22csb0b11@student.nitw.ac.in	other	4-271	600001
	pa22csb0c08@student.nitw.ac.in	home	4-186	520001
	pa22csb0c08@student.nitw.ac.in	office	7-622	411001
	pa22csb0c08@student.nitw.ac.in	other	5-872	400001
	rr22csb0c15@student.nitw.ac.in	home	2-838	500001
	rr22csb0c15@student.nitw.ac.in	office	2-373	560002
	rr22csb0c15@student.nitw.ac.in	other	5-238	400001
	tl22csb0c16@student.nitw.ac.in	home	6-732	500001
	tl22csb0c16@student.nitw.ac.in	office	6-829	400001

5. MENU_ITEM

```
CREATE TABLE `food_delivery_system`.`menu_item` (
  `hotel_id` INT NOT NULL,
  `item_name` VARCHAR(45) NOT NULL,
  `cost` INT NOT NULL,
  `rating` INT NULL DEFAULT '0',
  `item_type` ENUM('Veg', 'Non-Veg') NULL DEFAULT NULL,
  PRIMARY KEY (`hotel_id`, `item_name`),
  CONSTRAINT `FK_hotel`
```

```

        FOREIGN KEY (`hotel_id`)
        REFERENCES `food_delivery_system`.`restaurant` (`hotel_id`)
        ON DELETE CASCADE
        ON UPDATE CASCADE);

CREATE INDEX menu_item_index ON food_delivery_system.menu_item (item_name,
hotel_id);

```

	Field	Type	Null	Key	Default	Extr
▶	hotel_id	int	NO	PRI	NULL	
	item_name	varchar(45)	NO	PRI	NULL	
	cost	int	NO		NULL	
	rating	int	YES		0	
	item_type	enum('Veg','Non-Veg')	YES		NULL	

Data:

```

INSERT INTO menu_item VALUES ('1', 'Paneer Biryani', '180', '4', 'Veg');
INSERT INTO menu_item VALUES ('1', 'Chicken Biryani', '200', '4', 'Non-Veg');
INSERT INTO menu_item VALUES ('2', 'Chicken Dry', '400', '4', 'Non-Veg');
INSERT INTO menu_item VALUES ('3', 'Mushroom 65', '250', '4', 'Veg');
INSERT INTO menu_item VALUES ('5', 'Chicken Dry', '380', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('6', 'Chicken Biryani', '180', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('6', 'Chicken 65', '220', '0', 'Non-Veg');
INSERT INTO menu_item VALUES ('7', 'Tandoori Chicken', '500', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('8', 'Chicken Dry', '480', '4', 'Non-Veg');
INSERT INTO menu_item VALUES ('8', 'Chilli Gobi', '220', '5', 'Veg');
INSERT INTO menu_item VALUES ('9', 'Chicken Biryani', '250', '4', 'Non-Veg');
INSERT INTO menu_item VALUES ('10', 'Kadai Mushroom', '290', '4', 'Veg');
INSERT INTO menu_item VALUES ('11', 'Chicken 65', '290', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('12', 'Chicken Biryani', '220', '4', 'Non-Veg');
INSERT INTO menu_item VALUES ('12', 'Mushroom Chilli', '390', '4', 'Veg');
INSERT INTO menu_item VALUES ('13', 'Gobi 65', '180', '4', 'Veg');
INSERT INTO menu_item VALUES ('14', 'Chicken Dry', '420', '3', 'Non-Veg');

```

```

INSERT INTO menu_item VALUES ('14', 'Chicken 65', '250', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('15', 'Chicken Dry', '510', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('16', 'Chilli Chicken', '350', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('17', 'Paneer Biryani', '220', '4', 'Veg');
INSERT INTO menu_item VALUES ('17', 'Chicken 65', '280', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('18', 'Chilli Gobi', '250', '4', 'Veg');
INSERT INTO menu_item VALUES ('18', 'Tandoori Chicken', '480', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('19', 'Chicken 65', '260', '3', 'Non-Veg');
INSERT INTO menu_item VALUES ('20', 'Mushroom Chilli', '300', '3', 'Veg');

```

	hotel_id	item_name	cost	rating	item_type
▶	1	Chicken Biryani	200	4	Non-Veg
	1	Paneer Biryani	180	4	Veg
	2	Chicken Dry	400	4	Non-Veg
	3	Mushroom 65	250	4	Veg
	5	Chicken Dry	380	3	Non-Veg
	6	Chicken 65	220	0	Non-Veg
	6	Chicken Biryani	180	3	Non-Veg
	7	Tandoori Chicken	500	3	Non-Veg
	8	Chicken Dry	480	4	Non-Veg
	8	Chilli Gobi	220	5	Veg
	9	Chicken Biryani	250	4	Non-Veg
	10	Kadai Mushroom	290	4	Veg
	11	Chicken 65	290	3	Non-Veg
	12	Chicken Biryani	220	4	Non-Veg
	12	Mushroom Chilli	390	4	Veg
	13	Gobi 65	180	4	Veg
	14	Chicken 65	250	3	Non-Veg
	14	Chicken Dry	420	3	Non-Veg
	15	Chicken Dry	510	3	Non-Veg
	16	Chilli Chicken	350	3	Non-Veg
	17	Chicken 65	280	3	Non-Veg
	17	Paneer Biryani	220	4	Veg
	18	Chilli Gobi	250	4	Veg
	18	Tandoori Chicken	480	3	Non-Veg
	19	Chicken 65	260	3	Non-Veg

6. CART_ITEM

```
CREATE TABLE `food_delivery_system`.`cart_item` (
  `hotel_id` INT NOT NULL,
  `item_name` VARCHAR(45) NOT NULL,
  `quantity` INT NOT NULL,
  `specifications` VARCHAR(500) NULL DEFAULT NULL,
  `cust_id` VARCHAR(45) NOT NULL,
  `cart_id` INT NOT NULL,
  PRIMARY KEY (`hotel_id`, `item_name`),
  INDEX `FK_cust_id_idx` (`cust_id` ASC) VISIBLE,
  CONSTRAINT `FK_cart_item`
    FOREIGN KEY (`hotel_id` , `item_name`)
    REFERENCES `food_delivery_system`.`menu_item` (`hotel_id` , `item_name`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `FK_cust_id`
    FOREIGN KEY (`cust_id`)
    REFERENCES `food_delivery_system`.`customer` (`email_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE);
```

	Field	Type	Null	Key	Default	Extra
▶	hotel_id	int	NO	PRI	NULL	
	item_name	varchar(45)	NO	PRI	NULL	
	quantity	int	NO		NULL	
	specifications	varchar(500)	YES		NULL	
	cust_id	varchar(45)	NO	PRI	NULL	

Data:

```
INSERT INTO cart_item VALUES ('1', 'Paneer biryani', '1', NULL,
'lv22csb0c33@student.nitw.ac.in');
```

```
INSERT INTO cart_item VALUES ('2', 'Chicken Dry', '1', NULL,
'kp22csb0c30@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('3', 'Mushroom 65', '1', 'Fried',
'rr22csb0c15@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('12', 'Chicken biryani', '2', 'Spicy',
'os22csb0b11@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('18', 'Tandoori Chicken', '2', NULL,
'pa22csb0c08@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('10', 'Kadai Mushroom', '2', 'Gravy',
'cg22csb0b09@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('17', 'Chicken 65', '1', 'Juicy',
'ba22csb0b12@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('18', 'Chilli Gobi', '1', NULL,
'ks22csb0c11@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('16', 'Chilli Chicken', '2', NULL,
'tl22csb0c16@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('20', 'Mushroom Chilli', '1', NULL,
'rr22csb0c15@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('13', 'Gobi 65', '2', NULL,
'cg22csb0b09@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('10', 'Kadai Mushroom', '1', NULL,
'lv22csb0c33@student.nitw.ac.in');

INSERT INTO cart_item VALUES ('9', 'Chicken Biryani', '1', NULL,
'tl22csb0c16@student.nitw.ac.in');
```

	hotel_id	item_name	quantity	specifications	cust_id
▶	1	Paneer biryani	1	NULL	lv22csb0c33@student.nitw.ac.in
	2	Chicken Dry	1	NULL	kp22csb0c30@student.nitw.ac.in
	3	Mushroom 65	1	Fried	rr22csb0c15@student.nitw.ac.in
	9	Chicken Biryani	1	NULL	tl22csb0c16@student.nitw.ac.in
	10	Kadai Mushroom	2	Gravy	cg22csb0b09@student.nitw.ac.in
	10	Kadai Mushroom	1	NULL	lv22csb0c33@student.nitw.ac.in
	12	Chicken biryani	2	Spicy	os22csb0b11@student.nitw.ac.in
	13	Gobi 65	2	NULL	cg22csb0b09@student.nitw.ac.in
	16	Chilli Chicken	2	NULL	tl22csb0c16@student.nitw.ac.in
	17	Chicken 65	1	Juicy	ba22csb0b12@student.nitw.ac.in
	18	Chilli Gobi	1	NULL	ks22csb0c11@student.nitw.ac.in
	18	Tandoori Chicken	2	NULL	pa22csb0c08@student.nitw.ac.in
	20	Mushroom Chilli	1	NULL	rr22csb0c15@student.nitw.ac.in

7. ORDER

```

CREATE TABLE `food_delivery_system`.`order` (
  `order_id` INT NOT NULL,
  `hotel_id` INT NOT NULL,
  `cust_id` VARCHAR(45) NOT NULL,
  `order_status` VARCHAR(45) NULL DEFAULT NULL,
  `order_time` TIMESTAMP NOT NULL,
  PRIMARY KEY (`order_id`),
  UNIQUE INDEX `order_id_UNIQUE` (`order_id` ASC) VISIBLE,
  INDEX `FK_customer_order_idx` (`cust_id` ASC) VISIBLE,
  INDEX `FK_hotel_order_idx` (`hotel_id` ASC) VISIBLE,
  CONSTRAINT `FK_customer_order`
    FOREIGN KEY (`cust_id`)
    REFERENCES `food_delivery_system`.`customer` (`email_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `FK_hotel_order`
    FOREIGN KEY (`hotel_id`)
    REFERENCES `food_delivery_system`.`restaurant` (`hotel_id`)
)

```

```

    ON DELETE CASCADE
    ON UPDATE CASCADE);

```

	Field	Type	Null	Key	Default	Extra
▶	order_id	int	NO	PRI	NULL	
	hotel_id	int	NO	MUL	NULL	
	cust_id	varchar(45)	NO	MUL	NULL	
	order_status	varchar(45)	YES		NULL	
	order_time	timestamp	NO		NULL	

Data:

```

INSERT INTO `food_delivery_system`.`order` (`order_id`, `hotel_id`, `cust_id`,
`order_status`, `order_time`) VALUES ('1', '20', 'rr22csb0c15@student.nitw.ac.in', 'Order
received', '2024-03-26 10:30:00');

```

```

INSERT INTO `food_delivery_system`.`order` (`order_id`, `hotel_id`, `cust_id`,
`order_status`, `order_time`) VALUES ('2', '12', 'os22csb0b11@student.nitw.ac.in',
'Order packed', '2024-03-25 14:30:00');

```

```

INSERT INTO `food_delivery_system`.`order` (`order_id`, `hotel_id`, `cust_id`,
`order_status`, `order_time`) VALUES ('3', '13', 'cg22csb0b09@student.nitw.ac.in',
'Order received', '2024-03-27 09:45:00');

```

```

INSERT INTO `food_delivery_system`.`order` (`order_id`, `hotel_id`, `cust_id`,
`order_status`, `order_time`) VALUES ('4', '2', 'kp22csb0c30@student.nitw.ac.in', 'Order
delivered', '2024-03-26 17:30:00');

```

```

INSERT INTO `food_delivery_system`.`order` (`order_id`, `hotel_id`, `cust_id`,
`order_status`, `order_time`) VALUES ('5', '17', 'ba22csb0b12@student.nitw.ac.in',
'Order shipped', '2024-03-26 08:36:00');

```

	order_id	hotel_id	cust_id	order_status	order_time
▶	1	20	rr22csb0c15@student.nitw.ac.in	Order received	2024-03-26 10:30:00
	2	12	os22csb0b11@student.nitw.ac.in	Order packed	2024-03-25 14:30:00
	3	13	cg22csb0b09@student.nitw.ac.in	Order received	2024-03-27 09:45:00
	4	2	kp22csb0c30@student.nitw.ac.in	Order delivered	2024-03-26 17:30:00
	5	17	ba22csb0b12@student.nitw.ac.in	Order shipped	2024-03-26 08:36:00

8. ORDER_ITEM

```
CREATE TABLE food_delivery_system.order_item (
    order_item_id INT NOT NULL,
    item_name VARCHAR(45) NOT NULL,
    hotel_id INT NOT NULL,
    quantity INT NOT NULL,
    specifications VARCHAR(200) NULL,
    order_id INT NULL,
    PRIMARY KEY (order_item_id),
    INDEX FK_order_id_idx (order_id ASC) VISIBLE,
    INDEX FK_order_menu_idx (item_name ASC, hotel_id ASC) VISIBLE,
    CONSTRAINT FK_order
        FOREIGN KEY (order_id)
        REFERENCES food_delivery_system.order (order_id)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    CONSTRAINT FK_order_menu
        FOREIGN KEY (item_name , hotel_id)
        REFERENCES food_delivery_system.menu_item (item_name , hotel_id)
        ON DELETE CASCADE
        ON UPDATE CASCADE);
```

	Field	Type	Null	Key	Default	Extra
▶	order_item_id	int	NO	PRI	NULL	
	item_name	varchar(45)	NO	MUL	NULL	
	hotel_id	int	NO		NULL	
	quantity	int	NO		NULL	
	specifications	varchar(200)	YES		NULL	
	order_id	int	YES	UNI	NULL	

Data:

```
INSERT INTO `food_delivery_system`.`order_item` (`order_item_id`, `item_name`, `hotel_id`, `quantity`, `order_id`) VALUES ('1', 'Mushroom Chilli', '20', '1', '1');
```

```

INSERT INTO `food_delivery_system`.`order_item` (`order_item_id`, `item_name`,
`hotel_id`, `quantity`, `order_id`) VALUES ('2', 'Gobi 65', '13', '2', '3');

INSERT INTO `food_delivery_system`.`order_item` (`order_item_id`, `item_name`,
`hotel_id`, `quantity`, `order_id`) VALUES ('3', 'Chicken Dry', '2', '1', '4');

INSERT INTO `food_delivery_system`.`order_item` (`order_item_id`, `item_name`,
`hotel_id`, `quantity`, `specifications`, `order_id`) VALUES ('4', 'Chicken biryani', '12', '2',
'Spicy', '2');

INSERT INTO `food_delivery_system`.`order_item` (`order_item_id`, `item_name`,
`hotel_id`, `quantity`, `order_id`) VALUES ('5', 'Chicken 65', '17', '1', '5');

```

	order_item_id	item_name	hotel_id	quantity	specifications	order_id
▶	1	Mushroom Chilli	20	1	HULL	1
▶	2	Gobi 65	13	2	HULL	3
	3	Chicken Dry	2	1	HULL	4
	4	Chicken biryani	12	2	Spicy	2
	5	Chicken 65	17	1	HULL	5

9. DISCOUNTS

```

CREATE TABLE `food_delivery_system`.`discount` (
`discount_id` INT NOT NULL AUTO_INCREMENT,
`name` VARCHAR(45) NOT NULL,
`min_amount` INT NULL DEFAULT NULL,
`percentage` FLOAT NOT NULL,
PRIMARY KEY (`discount_id`),
UNIQUE INDEX `discount_id_UNIQUE` (`discount_id` ASC) VISIBLE);

```

	Field	Type	Null	Key	Default	Extra
▶	discount_id	int	NO	PRI	HULL	auto_increment
	name	varchar(45)	NO		HULL	
	min_amount	int	YES		HULL	
	percentage	float	NO		HULL	

Data:

```

INSERT INTO food_delivery_system.discount (discount_id, name, min_amount, percentage) VALUES ('1', 'SummerOffer', '200', '5');
INSERT INTO food_delivery_system.discount (discount_id, name, min_amount, percentage) VALUES ('2', 'FestiveOffer', '250', '7');
INSERT INTO food_delivery_system.discount (discount_id, name, min_amount, percentage) VALUES ('3', 'SummerCoolOffer', '250', '6');
INSERT INTO food_delivery_system.discount (discount_id, name, min_amount, percentage) VALUES ('4', 'HolidayOffer', '400', '10');

```

	discount_id	name	min_amount	percentage
▶	1	SummerOffer	200	5
	2	FestiveOffer	250	7
	3	SummerCoolOffer	250	6
	4	HolidayOffer	400	10

10. PAYMENTS

```

CREATE TABLE `food_delivery_system`.`payment` (
  `payment_id` INT NOT NULL AUTO_INCREMENT,
  `order_id` INT NOT NULL,
  `payment_mode` VARCHAR(45) NOT NULL,
  `tip` INT NULL DEFAULT '0',
  `discount_id` INT NULL,
  PRIMARY KEY (`payment_id`),
  UNIQUE INDEX `payment_id_UNIQUE` (`payment_id` ASC) VISIBLE,
  INDEX `Fk_order_id_idx` (`order_id` ASC) VISIBLE,
  INDEX `Fk_discount_id_idx` (`discount_id` ASC) VISIBLE,
  CONSTRAINT `Fk_discount_id`
    FOREIGN KEY (`discount_id`)
    REFERENCES `food_delivery_system`.`discount` (`discount_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,

```

```

CONSTRAINT `Fk_order_id`
FOREIGN KEY (`order_id`)
REFERENCES `food_delivery_system`.`order` (`order_id`)
ON DELETE CASCADE
ON UPDATE CASCADE);

```

	Field	Type	Null	Key	Default	Extra
▶	payment_id	int	NO	PRI	NULL	auto_increment
	order_id	int	NO	MUL	NULL	
	payment_mode	varchar(45)	NO		NULL	
	tip	int	YES		0	
	discount_id	int	YES	MUL	NULL	

Data:

```

INSERT INTO `food_delivery_system`.`payment`(`payment_id`, `order_id`,
`payment_mode`, `tip`, `discount_id`) VALUES ('1', '1', 'BHIM', '15', '3');
INSERT INTO `food_delivery_system`.`payment`(`payment_id`, `order_id`,
`payment_mode`, `discount_id`) VALUES ('2', '2', 'Phonepe', '2');
INSERT INTO `food_delivery_system`.`payment`(`payment_id`, `order_id`,
`payment_mode`, `tip`, `discount_id`) VALUES ('3', '4', 'Debit card', '20', '4');
INSERT INTO `food_delivery_system`.`payment`(`payment_id`, `order_id`,
`payment_mode`, `discount_id`) VALUES ('4', '3', 'UPI', '1');
INSERT INTO `food_delivery_system`.`payment`(`payment_id`, `order_id`,
`payment_mode`, `tip`, `discount_id`) VALUES ('5', '5', 'Credit card', '10', '2');

```

	payment_id	order_id	payment_mode	tip	discount_id
▶	1	1	BHIM	15	3
	2	2	Phonepe	0	2
	3	4	Debit card	20	4
	4	3	UPI	0	1
▶	5	5	Credit card	10	2

11. DELIVERY_AGENT

```
CREATE TABLE `food_delivery_system`.`delivery_agent` (
  `d_id` INT NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(45) NOT NULL,
  `phone_num` VARCHAR(45) NOT NULL,
  `rating` INT NULL DEFAULT '0',
  PRIMARY KEY (`d_id`));
```

	Field	Type	Null	Key	Default	Extra
▶	d_id	int	NO	PRI	NULL	auto_increment
	name	varchar(45)	NO		NULL	
	phone_num	varchar(45)	NO		NULL	
	rating	int	YES		0	

Data:

```
INSERT INTO delivery_agent VALUES ('Flex', '+919876543210', '4');
INSERT INTO delivery_agent VALUES ('Parcel', '+918765432109', '4');
INSERT INTO delivery_agent VALUES ('Eagle', '+917654321098', '4');
INSERT INTO delivery_agent VALUES ('24Seven', '+919012345678', '5');
INSERT INTO delivery_agent VALUES ('Pack', '+918765432187', '3');
INSERT INTO delivery_agent VALUES ('ASAP', '+917890123456', '5');
INSERT INTO delivery_agent VALUES ('DoorDash', '+918901234567', '4');
INSERT INTO delivery_agent VALUES ('Postmates', '+919098765432', '3');
INSERT INTO delivery_agent VALUES ('Instacart', '+917890123890', '4');
INSERT INTO delivery_agent VALUES ('Gopuff', '+919076543210', '3');
```

d_id	name	phone_num	rating
1	Flex	+919876543210	4
2	Parcel	+918765432109	4
3	Eagle	+917654321098	4
4	24Seven	+919012345678	5
5	Pack	+918765432187	3
6	ASAP	+917890123456	5
7	DoorDash	+918901234567	4
8	Postmates	+919098765432	3
9	Instacart	+917890123890	4
10	Goduff	+919076543210	3

12. DELIVERY

```

CREATE TABLE `food_delivery_system`.`delivery` (
  `order_id` INT NOT NULL,
  `d_id` INT NOT NULL,
  `status` VARCHAR(45) NOT NULL,
  `loc` VARCHAR(45) NOT NULL,
  `delivery_rating` INT NULL DEFAULT '0',
  PRIMARY KEY (`order_id`, `d_id`),
  INDEX `FK_deliv_id_idx` (`d_id` ASC) VISIBLE,
  CONSTRAINT `Fk_deliv_id`
    FOREIGN KEY (`d_id`)
    REFERENCES `food_delivery_system`.`delivery_agent` (`d_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `Fk_del_order_id`
    FOREIGN KEY (`order_id`)
    REFERENCES `food_delivery_system`.`order` (`order_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE);

```

	Field	Type	Null	Key	Default	Extra
▶	order_id	int	NO	PRI	NULL	
	d_id	int	NO	PRI	NULL	
	status	varchar(45)	NO		NULL	
	loc	varchar(45)	NO		NULL	
	delivery_rating	int	YES		0	

Data:

```
INSERT INTO `food_delivery_system`.`delivery` (`order_id`, `d_id`, `status`, `loc`, `delivery_rating`) VALUES ('1', '3', 'Order received', 'Under processing', '4');
INSERT INTO `food_delivery_system`.`delivery` (`order_id`, `d_id`, `status`, `loc`, `delivery_rating`) VALUES ('2', '6', 'Order packed', 'At the restaurant', '3');
INSERT INTO `food_delivery_system`.`delivery` (`order_id`, `d_id`, `status`, `loc`, `delivery_rating`) VALUES ('3', '7', 'Order delivered', 'Destination reached', '4');
INSERT INTO `food_delivery_system`.`delivery` (`order_id`, `d_id`, `status`, `loc`, `delivery_rating`) VALUES ('4', '2', 'Order shipped', '5 km to destination', '4');
INSERT INTO `food_delivery_system`.`delivery` (`order_id`, `d_id`, `status`, `loc`, `delivery_rating`) VALUES ('5', '8', 'Order packed', 'At the restaurant', '3');
```

	order_id	d_id	status	loc	delivery_rating
	1	3	Order received	Under processing	4
▶	2	6	Order packed	At the restaurant	3
	3	7	Order delivered	Destination reached	4
▶	4	2	Order shipped	5 km to destination	4
	5	8	Order packed	At the restaurant	3

The End