

RESTAURANT MANAGEMENT DATABASE

INNOVATIVE ASSIGNMENT



21BCE
148 KAPIL
MEHTA

Restaurant Management Database

Aim

The following Restaurant database holds the records of its Employees, chef, waiters/delivery boys, food items, drinks and their customer details. The GUI interface navigates the user through different portals where they can access the details of customer, employees, food items etc.

Description

- We have customer, restaurant and delivery sections.
- Restaurant end we have
 - All the food items and drinks the customer can order
 - Track of all the employee details
 - Chef details along with their speciality in a specific cuisine
- Customer end we have
 - Customer details
 - Details for Payment and
- Delivery end to track all the deliveries done

Characteristics

- Add Record
- Delete Record
- Display Record
- Update Record

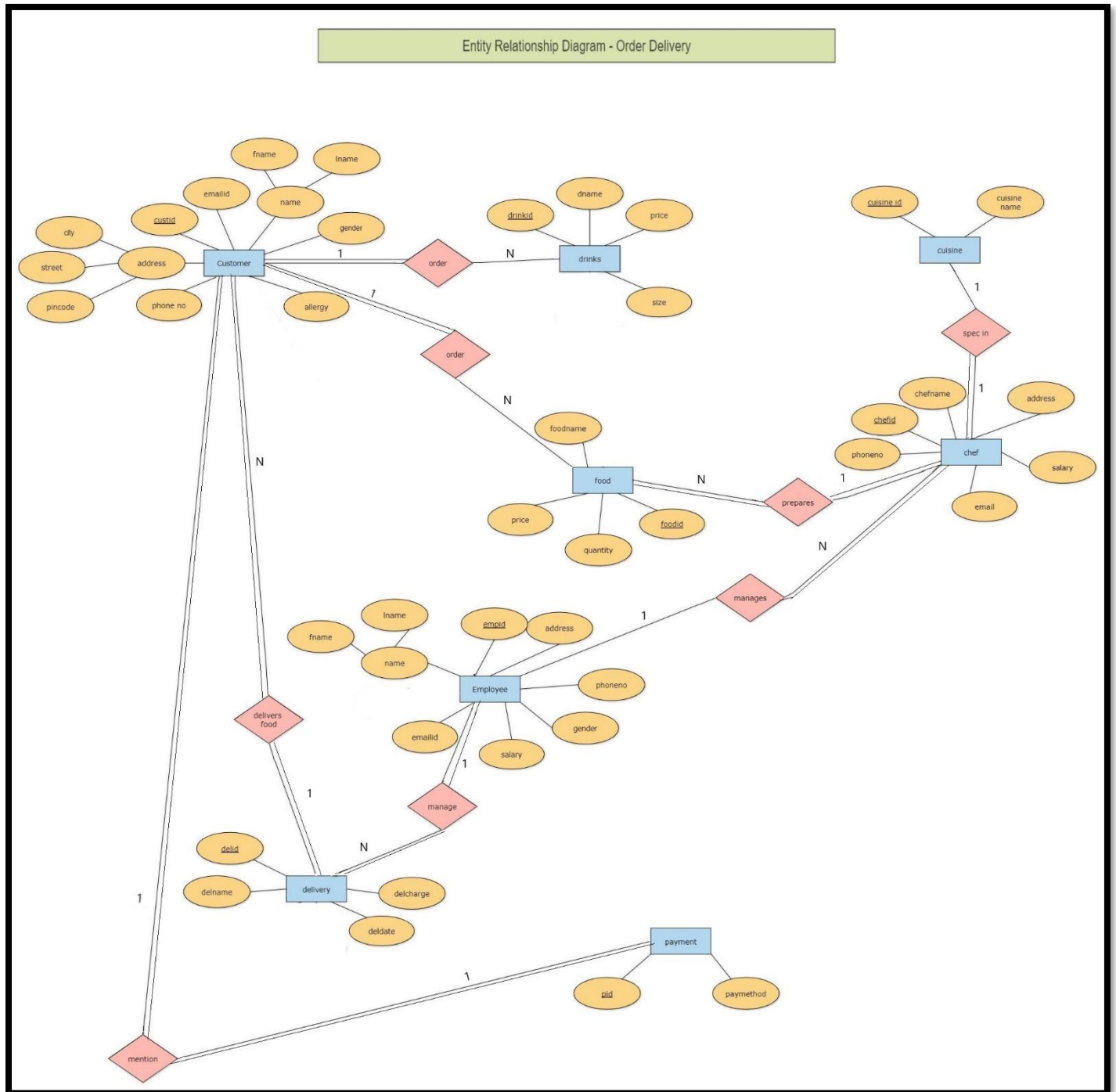
External Interface Requirements

- Front end: Python
- Backend: MySQL

Functional Requirements

- User authentication during login
- Email Verification while sign up

ER MODEL



RELATIONAL MODEL

CUSTOMER		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
FNAME		NOT NULL
LNAME		NOT NULL
CUSTID		PRIMARY KEY
EMAILID		NOT NULL, CHECK should contain @ .com
CITY	AHMEDABAD	
STREET		NOT NULL
PINCODE		NOT NULL CHECK count = 6
GENDER		NOT NULL Values ('M','F','O')
PHONENO		NOT NULL CHECK count = 10
ALLERGY	NULL	

CUISINE		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
CUISINEID		PRIMARY KEY
CUISINE NAME		NOT NULL

EMPLOYEE		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
EMPID		PRIMARY KEY
FNAME		NOT NULL
LNAME		NOT NULL
EMAILID		NOT NULL, CHECK should contain @ .com
ADDRESS		NOT NULL
PHONE NO		NOT NULL CHECK count = 10
GENDER		NOT NULL Values ('M','F','O')
SALARY		NOT NULL CHECK Greater than 0

CHEF		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
CHEFID		PRIMARY KEY
CHEFNAME		NOT NULL
ADDRESS		NOT NULL
PHONENO		NOT NULL CHECK count = 10
SPEC		Foreign key references ' CUISINEID ' of CUISINE table.
EMPID		Foreign key references ' EMPID ' of EMPLOYEE table.
EMAIL		NOT NULL, CHECK should contain @ .com
SALARY		NOT NULL CHECK Greater than 0

FOOD		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
FOODID		PRIMARY KEY
FOODNAME		NOT NULL
PRICE		NOT NULL CHECK Greater than 0
QUANTITY		NOT NULL CHECK Greater than 0
CUISINEID		Foreign key references ' CUISINEID ' of CUISINE table.
INGID		Foreign key references ' INGID ' of INGREDIENT table.
CHEFID		Foreign key references ' CHEFID ' of CHEF table.

	DRINKS	
ATTRIBUTES	DEFAULT	CONSTRAINT
DRINKID		PRIMARY KEY
DNAME		NOT NULL
PRICE		NOT NULL, CHECK can't be o
SIZE		Values('large', 'medium', 'small')

	DELIVERY	
ATTRIBUTES	DEFAULT	CONSTRAINT
DELID		PRIMARY KEY
DELNAME		NOT NULL
CUSTID		Foreign key references ' CUSTID ' of Customer table.
EMPID		Foreign key references ' EMPID ' of Employee table.
DELCHARGE		NOT NULL CHECK can't be o
DELDATE		NOT NULL

	ORDER	
ATTRIBUTES	DEFAULT	CONSTRAINT
ORDID		PRIMARY KEY
TOTALCOST		NOT NULL CHECK can't be o
FOODID		Foreign key references ' FOODID ' of Food table.
DRINKID		Foreign key references ' DRINKID ' of Drink table.
DELID		Foreign key references ' DELID ' of Delivery table.

	PAYMENT	
ATTRIBUTES	DEFAULT	CONSTRAINT
PID		PRIMARY KEY
PAYMETHOD		Values ('credit card', 'cash', 'debit card', 'paytm')
CUSTID		Foreign key references ' CUSTID ' of Customer table.
ORDID		Foreign key references ' ORDID ' of Order table.