GOGO PIZZA

Scenario:

GoGo Pizza is a pizzeria that focuses on preparing and delivering pizzas directly to customers. This pizzeria has just been established in town. Therefore, the owner of the pizzeria wants to have a tailor-made database system to capture and manage all the important data related to the business's operation, such as:

- Track customer orders and payments
- Manage inventory level
- Schedule staff shift

Once the pizzeria database is implemented, the owner also wants to have a dashboard to easily monitor business performance based on the data from the database. The dashboard should contain the information as follows:

- Sales by day of the week, time of day, and menu item
- Inventory levels and usage
- Staff hours worked and productivity

List of initial entities

Entities	Description
Menu Item	The name of each item on the menu
Ingredient	Ingredient used to make the pizzeria's products
Recipe	Information about the ingredient and quantity needed to make the product
Customer	Information for each customer who places order at the pizzeria
Address	Information about the address for where the order is to be shipped
Order Header	Information related to orders placed by a customer
Order Detail	Information about each item in an order
Shift	Information about the start time and end time of a shift
Employee	Information about each employee who works for the pizzeria
Rotation	The name of the employee and the shift assigned to that employee

List of attributes

Attribute	Description
MenuItem	
*MenuItemID	The unique identifier for each item on the menu
MenuItemName	The name of the item on the menu
MenuItemCategory	The category of the item
MenuItemSize	The size of the item
MenuItemPrice	The selling price for each item sold
Ingredient	
*IngredientID	The unique identifier for each ingredient
IngredientName	The name of the ingredient
IngredientWeight	The weight of the ingredient
PurchasedPrice	The price of the ingredient purchased
StockQuantity	The inventory quantity of the ingredient
Recipe	
*MenuItemID	The unique identifier for the item
*IngredientID	The unique identifier for the ingredient needed for the recipe
RecipeQuantity	The amount needed for each recipe
Customer	
*CustomerID	The unique identifier for each customer
CustomerFirstName	The customer's first name
CustomerLastName	The customer's last name
CustomerGender	The customer's gender
CustomerBirthDate	The customer's birthday
CustomerPhoneNumber	The customer's phone number
Address	
*AddressID	The unique identifier for each address associates with the order
ShippingStreetAddress	The street address for where the order is to be shipped
ShippingCity	The city to which the order is to be shipped
ShippingZipCode	The zip code associate with the shipping address
OrderHeader	
*OrderID	The unique identifier for each order
CustomerID	The unique identifier for each customer
OrderDate	The date when the order was placed
OrderTime	The time when the order was placed
ShippingAddressID	The unique identifier for each address
OrderTotal	Total amount of money for an order
OrderStatus	The status of an order

OrderDetail

*OrderID	The unique identifier for each order
*MenuItemID	The unique identifier of each item
QuantityOrdered	The number of items purchased
ItemPrice	The price of the item purchased

Employee

*EmployeeID	The unique identifier for the staff member
EmpFirstName	The first name of the staff member
EmpLastName	The last name of the staff member
EmpRole	The role of the staff member
HireDate	The date in which the employee is hired
HourlyRate	The hourly wage of the employee

Shift

*ShiftID	The unique identifier of each shift in a week
DayOfWeek	The name of the day of the week
ShiftStart	The start time of the staff member's shift
ShiftEnd	The end time of the staff member's shift

Rotation

*RotationID	The unique identifier of each rotation
Date	The working date
ShiftID	The unique identifier of each shift
StaffID	The unique identifier of each employee