RESTAURANT MANAGEMENT SYSTEM

DOMAIN DESCRIPTIONTop of Form

The domain description for a restaurant management system outlines the various functional areas and processes involved in the operation and management of a restaurant. Here's a detailed domain description:

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* MENU:

Designing a menu for a restaurant management system involves listing the various food and beverage items available for customers to order.

* TABLE:

The "Table" entity represents the physical tables available in the restaurant. The structure allows you to efficiently manage tables, track their status, and link them to reservations and orders within your restaurant management system.

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* ORDER:

The "Order" entity represents the customer's request for food and beverages during their visit to the restaurant. This structure allows you to manage and track customer orders efficiently within your restaurant management system. You can expand upon this schema to include additional details such as order items, special requests, and order history.

* RESERVATION:

The "Reservation" entity represents the booking made by a customer to secure a table at the restaurant for a specific date and time.

* PAYMENT:

The "Payment" entity represents the financial transaction between the customer and the restaurant for the goods and services provided.

* CHEF
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The "Chef" entity represents the staff member responsible for preparing and overseeing the kitchen operations.

* INGREDIENT

The "Ingredient" entity represents the individual items or components used to prepare dishes in the kitchen. Here's a suggested structure for the "Ingredient" entity in a database:

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* RECIPE

The "Recipe" entity represents the specific instructions and ingredients required to prepare a dish or menu item.

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* REVIEW

The "Review" entity represents feedback provided by customers about their dining experience.

* INVENTORY

The "Inventory" entity represents the stock of ingredients, supplies, and other items used in the operation of the restaurant.

* ER-DIAGRAM
* The main entities are Reservation, Table, Employee, Menu Item, Order, Order Item, Chef, Inventory, and Review.
* **Description of the entities and their relationships:**
* One Ingredient can be used in many Recipes (one-to-many)
* One recipe is prepared by one chef (one-to-one).
* One menu item is based on one recipe(one-to-one).
* One order is associated with one table(one-to-one)
* Menu items can be included in multiple order items (one-to-many).
* One Reservation is made for one table(one-to-one)
* Attributes
* **Ingredient**:
  + Ingredient\_id(Primary Key)
  + Name
  + Quantity
* **Reservation**:
  + Reservation\_id(Primary Key)
  + Table\_id(Foreign Key)
  + Date
  + Time
* **Table**:
  + Table\_id(Primary Key)
  + Capacity
* **Menu Item**:
  + Menu\_id(Primary Key)
  + Name
  + Description
  + Price
* **Order** 
  + Order\_id(Primary Key)
  + Table\_id(Foreign Key)
  + Menu\_id(Foreign Key
  + Quantity
  + Status
* **Chef**:
  + Chef\_id(Primary Key)
  + Name
  + Speciality
* **Recipe**:
  + Recipe\_id(Primary Key)
  + Name
* **Review**:
  + review\_id(Primary Key)
  + Rating
  + Comment
  + Date
* ENTITY RELATIONSHIP(ER) DIAGRAM

