

Database Design Considerations for Online Restaurant Ordering System

As you are working on the database design phase, it's crucial to ensure that your design aligns with the customer's needs and expectations. Below is a summary of key components to consider in your database design. Remember, this is not a list of tables but rather concepts that need to be represented in your database. You have the flexibility to combine these concepts into fewer tables or expand them into more detailed, related tables depending on your design strategy.

Key Components:

1. **Customers:**
 - Customer name, email, phone number and address.
2. **Ratings & Reviews:**
 - Review text, score (rating).
3. **Payment Information:**
 - Card information, transaction status, payment type.
4. **Orders:**
 - Order date, tracking number, order status, total price, customer and links to order details.
5. **Menu Items:**
 - Dishes, ingredients, price, calories, food category.
6. **Resource Management:**
 - Ingredient/resource amount, unit.
7. **Promotions:**
 - Promotion code, expiration date.

Additional Considerations:

- **Data Relationships:** Clearly define how these components interact with each other. For example, how orders are linked to menu items, or how promotions apply to orders or menu items.
- **Data Integrity:** Ensure the integrity of your data with appropriate primary keys, foreign keys, and constraints.

This information is intended to guide you in creating a robust and comprehensive database for the Online Restaurant Ordering System. You are encouraged to expand upon these basics, considering the unique features and functionalities of your system.