Online Food Ordering System ER Diagram

The **online food ordering system ER diagram** shows the relationships of the system's entities that build its **database design**. ER diagram describes the logical structure of the system's database or data storage. It is done by identifying the food ordering process entities, their properties, and the interactions between them.

The **online food ordering system database design** is sketched out using **ER (entity-relationship) diagram**. This sketch becomes the actual basis of the system's data storage that will serve as data destination and source.

Online Food Ordering System Features

- **Food Ordering information** - Food Ordering Information is the process wherein the data used in exposing the products offered by the establishment were secured in the system. They were displayed to let the customer know about their products and for marketing purposes.
- **Customer Order Details** - As one of the major process in the Food Ordering System, it will be the bases for determining the included data once a customer orders or do a transaction. An example of the data included in Customer Order Details would be the customer's basic information such as their name, address, and contact number. This process also collects the information of food ordered by the customers as well as tits quantity and payment details.
- **Transaction Reports Management** - The Food supply Management process is in charge of checking and managing all the supply-related activities. So, to be able to track all the supplies needed for production, the data or information of supply that enters and exits that system must be recorded. These data will then be stored in Food Ordering System ER Diagram.
- **Transaction and Reports Management** - This process is considered one of the major processes in the project because it saves the overall transaction in a period of time. These reports will then be helped by the ER Diagram designed for Food Ordering System.

What is an ER Diagram?

In DBMS, the **ER Diagram of online food ordering system** is also known as the system's **database design**. It is the graphical depiction of relationships between all the entities involved in the system. Its major components are Entities, Attributes, and Relationships.

To build and troubleshoot relational databases, the **online food ordering system ER Diagram** is used. It works best with DFD (Data Flow Diagram), which is responsible for data movement. Developing the **database design for online food ordering system** would be much easier with the help of ER diagram.

Importance of ER Diagram

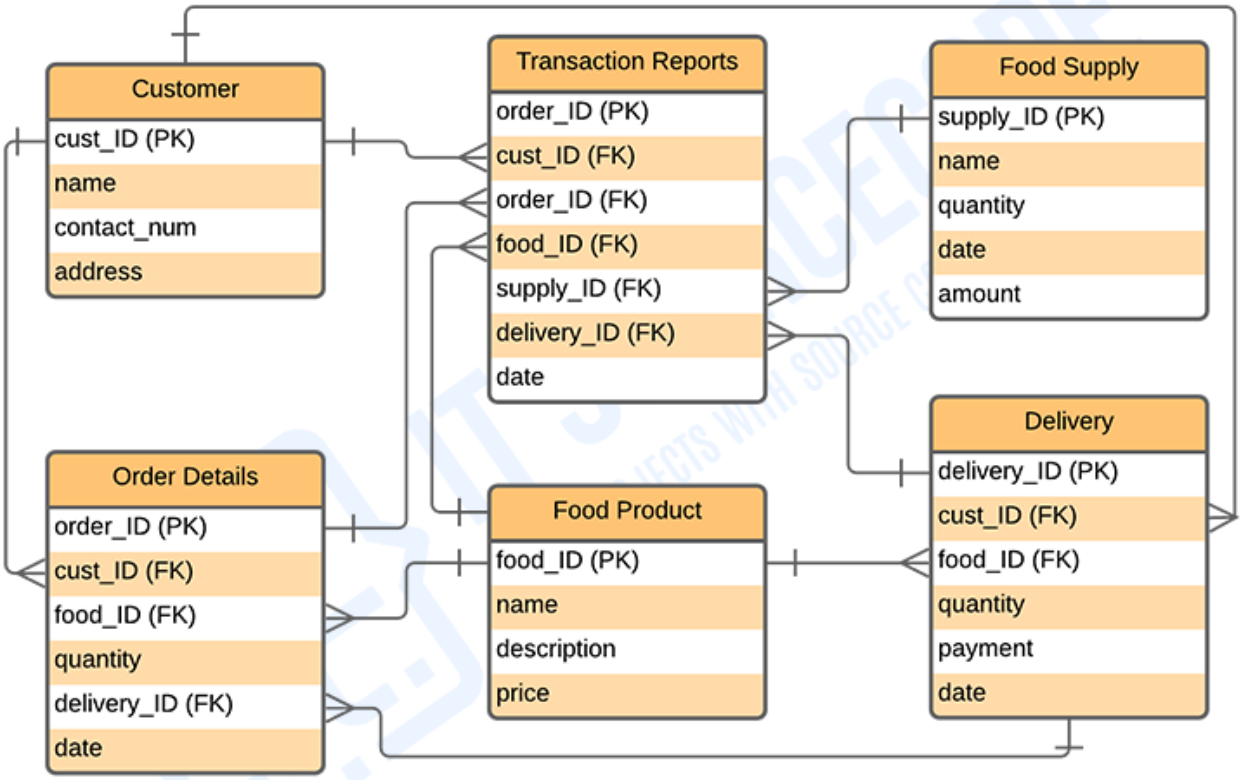
The **importance of ER diagram for online food ordering system** is to help in modeling its data storage or database. It is the basis of the project's database foundation for construction. The **online food ordering system entity-relationship diagram (ERD)** also aids in defining the data types to be stored such as their attributes and characteristics.

All other real-world projects are presented with ER Diagrams (database designs). To display the details and attributes of a data store, the **er diagram for online food ordering system** is used in conjunction with its data flow diagram. It visualizes how data is connected generically.

ERD (Entity-relationship diagram) is utilized in software engineering during the planning phase of software development. It aids in the identification of various system constituents and their interrelationships. **Online Food Ordering System ERD** is also used as the foundation of the online food ordering system DFD (Dataflow Diagram).

Online Food Ordering System ER Diagram

The ERD or **ER Diagram for Online Food Ordering System** shows the system entity relationships in each entity and their supposed functions in each relationship. Now here's the sample **ER Diagram of Online Food Ordering System**.



ER Diagram for Online Food Ordering System

Based on the image above, the **database design for Online Food Ordering System** is the blueprint for its **ERD,** and these are presented in **tables**. The tables are made to meet the required specification of the system and provide much more specific details of each entity within the system.

The purpose of this ER Diagram is to fully understand the data management of Online Food Ordering System as well as the relationships of tables in the database design.

Online Food Ordering System Database Design

This **online food ordering system database design** was made based on managing food ordering requirements. The system can encode customer and user information. Only the admin can access the status and information of the transactions and handle data in managing orders as well as the customer reservation records.

The features included in the system ER diagram were the security and monitoring of the food ordering management and status and customers' transactions. These features were also listed and recorded in reports that served as the history of transactions done in the system.

Food Ordering System ER Diagram Tables

These tables below provide the complete database table details such as **Field Name**, **Descriptions**, **data types**, and **character lengths.** These details can help the developers and programmers determine the characteristic of data that should be handled.

Table Name: Customer

Field	Description	Type	Length
cust_ID (PK)	Customer ID	Int	11
name	Customer Name	Varchar	255
contact_num	Contact Number	Varchar	11
address	Address	Text	

Table Name: Food Product

Field	Description	Type	Length
food_ID (PK)	Food ID	Int	11
name	Food Name	Int	11
description	Description	Text	
price	Price	Varchar	11

Table Name: Food Supply

Field	Description	Type	Length
suppy_ID (PK)	Supply ID	Int	11
name	Name of Supplier	Varchar	255
quantity	Supply Quantity	Int	11
date	Supply Date	Date	

amount	Supply Amount	Varchar	11

Table Name: Order Details

Field	Description	Type	Length
order_ID (PK)	Order ID	Int	11
cust_ID (FK)	Customer ID	Int	11
food_ID (FK)	Food ID	Int	11
quantity	Quantity of Order	Int	11
delivery_ID (FK)	Order Delivery	Int	11
date	Order Date	Date	

Table Name: Delivery

Field	Description	Type	Length
delivery_ID (PK)	Delivery ID	Int	11
cust_ID (FK)	Customer ID	Int	11
food_ID (FK)	Food ID	Int	11
quantity	Order Quantity	Int	11
payment	Order Payment	Varchar	11
date	Delivery Date	Date	

Table Name: Transaction Reports

Field	Description	Type	Length
order_ID (PK)	Order ID	Int	11
cust_ID (FK)	Customer ID	Int	11
order_ID (FK)	Order ID	Int	11
food_ID (FK)	Food ID	Int	11
supply_ID (FK)	Supply ID	Int	11
delivery_ID (FK)	Delivery ID	Int	11
date	Report Date	Date	

The tables given will be the basis for developers on how would they do the **online food ordering system database design**. It has the complete description of the database and they will put this into the program or data storage the same as the names given to each of the tables. They will create a database with the attributes given as well as the value of each attribute.