

# Conceptual Schema

## Orders Table

**Purpose:** Represents customer orders.

**Attributes:**

Order ID: A unique identifier for each order.

Placement Date: The date and time when the order was placed.

## OrderItems Table

**Purpose:** Represents items included in each order.

**Attributes:**

Order Item ID: A unique identifier for each item in an order.

Order ID: References the order to which this item belongs.

Item ID: References the item that was ordered.

Quantity: The quantity of the item ordered.

Item Price: The price of the item at the time of ordering.

**Relationships:**

Order ID: Links to the Orders table, indicating which order the item is part of.

Item ID: Links to the Items table, indicating which item is being ordered.

## Items Table

**Purpose:** Represents the items available for ordering.

**Attributes:**

Item ID: A unique identifier for each item.

Item Name: The name of the item.

Item Category: The category to which the item belongs.

Item Size: The size of the item.

Item Price: The price of the item.

## Ingredients Table

**Purpose:** Represents ingredients used in items.

**Attributes:**

Ingredient ID: A unique identifier for each ingredient.

Ingredient Name: The name of the ingredient.

Measurement: The unit of measurement for the ingredient.

Ingredient Price: The price of the ingredient.

## ItemIngredients Table

**Purpose:** Maps items to their required ingredients.

**Attributes:**

Item ID: References the item.

Ingredient ID: References the ingredient used in the item.

Quantity Required: The quantity of the ingredient needed for the item.

**Relationships:**

Item ID: Links to the Items table, indicating which item uses the ingredient.

Ingredient ID: Links to the Ingredients table, indicating which ingredient is used.

## Inventory Table

**Purpose:** Manages the inventory of items and ingredients.

**Attributes:**

Inventory ID: A unique identifier for each inventory record.

Item ID: References the item.

Ingredient ID: References the ingredient.

Quantity: The current quantity of the item or ingredient in stock.

**Relationships:**

Item ID: Links to the Items table, indicating which item's inventory is being tracked.

Ingredient ID: Links to the Ingredients table, indicating which ingredient's inventory is being tracked.