Database Structure: Pizza Shop

Database: PostgreSQL

Database name: pizza_shop

Tables: items, invoices, invoice_items

1. Table: items

Field Name	Data Type	Constraints
id	SERIAL	PRIMARY KEY
name	VARCHAR(255)	NOT NULL
type	VARCHAR(50)	NOT NULL
price	DECIMAL(10, 2)	NOT NULL CHECK (price > 0)
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP

2. Table: invoices

Field Name	Data Type	Constraints
id	SERIAL	PRIMARY KEY
customer_name	VARCHAR(255)	NOT NULL
tax_rate	DECIMAL(5, 2)	NOT NULL
subtotal	DECIMAL(10, 2)	NOT NULL CHECK (subtotal >= 0)
tax	DECIMAL(10, 2)	NOT NULL CHECK (tax >= 0)
total	DECIMAL(10, 2)	NOT NULL CHECK (total >= 0)
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP

3. Invoice_items

Field Name	Data Type	Constraints
id	SERIAL	PRIMARY KEY
invoice_id	INT	FOREIGN KEY REFERENCES `invoices(id)` ON DELETE CASCADE
item_id	INT	FOREIGN KEY REFERENCES `items(id)` ON DELETE CASCADE
quantity	INT	NOT NULL CHECK (quantity > 0)
total_price	DECIMAL(10, 2)	NOT NULL CHECK (total_price >= 0)

Database Diagram