Python Code for Chocolate House SQLite Application

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import sqlite3

# Database setup
def initialize_database():
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('''
        CREATE TABLE IF NOT EXISTS seasonal_flavors (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            flavor_name TEXT NOT NULL,
            description TEXT,
            available BOOLEAN DEFAULT 1
        )
    ''')
    cursor.execute('''
        CREATE TABLE IF NOT EXISTS ingredients (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            ingredient_name TEXT NOT NULL,
            quantity INTEGER DEFAULT 0
        )
    ''')
    cursor.execute('''
        CREATE TABLE IF NOT EXISTS customer_suggestions (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            suggestion TEXT,
            allergy_concerns TEXT
        )
    ''')
    conn.commit()
    conn.close()

# Adding Seasonal Flavor
def add_seasonal_flavor(flavor_name, description, available=True):
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('''
        INSERT INTO seasonal_flavors (flavor_name, description, available)
        VALUES (?, ?, ?)
    ''', (flavor_name, description, available))
    conn.commit()
    conn.close()

# Adding Ingredient
def add_ingredient(ingredient_name, quantity):
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('''
        INSERT INTO ingredients (ingredient_name, quantity)
        VALUES (?, ?)
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    ''', (ingredient_name, quantity))
    conn.commit()
    conn.close()

# Adding Customer Suggestion
def add_customer_suggestion(suggestion, allergy_concerns):
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('''
        INSERT INTO customer_suggestions (suggestion, allergy_concerns)
        VALUES (?, ?)
    ''', (suggestion, allergy_concerns))
    conn.commit()
    conn.close()

# Display Functions
def display_seasonal_flavors():
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('SELECT * FROM seasonal_flavors')
    flavors = cursor.fetchall()
    conn.close()
    return flavors

def display_ingredients():
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('SELECT * FROM ingredients')
    ingredients = cursor.fetchall()
    conn.close()
    return ingredients

def display_customer_suggestions():
    conn = sqlite3.connect('chocolate_house.db')
    cursor = conn.cursor()
    cursor.execute('SELECT * FROM customer_suggestions')
    suggestions = cursor.fetchall()
    conn.close()
    return suggestions

# Initialize database on first run
initialize_database()

# Sample Data
add_seasonal_flavor("Pumpkin Spice", "A seasonal blend perfect for fall", True)
add_ingredient("Cocoa", 100)
add_customer_suggestion("Add more vegan options", "Peanuts")
```