CREATE TABLE branches (

branch\_id SERIAL PRIMARY KEY,

name TEXT NOT NULL,

address TEXT,

phone\_number TEXT,

email TEXT,

opening\_hours TEXT

);

CREATE TABLE categories (

category\_id SERIAL PRIMARY KEY,

name TEXT NOT NULL

);

CREATE TABLE customers (

customer\_id SERIAL PRIMARY KEY,

name TEXT NOT NULL,

phone\_number TEXT,

email TEXT

);

CREATE TABLE menu\_items (

item\_id SERIAL PRIMARY KEY,

name TEXT NOT NULL,

description TEXT,

price int NOT NULL,

category\_id INT REFERENCES categories(category\_id) ON DELETE CASCADE,

is\_available BOOLEAN DEFAULT TRUE

);

CREATE TABLE reservations (

reservation\_id SERIAL PRIMARY KEY,

customer\_id INT REFERENCES customers(customer\_id) ON DELETE CASCADE,

branch\_id INT REFERENCES branches(branch\_id)ON DELETE CASCADE,

reservation\_time TIMESTAMP NOT NULL,

number\_of\_people INT NOT NULL

);

CREATE TABLE orders (

order\_id SERIAL PRIMARY KEY,

customer\_id INT REFERENCES customers(customer\_id) ON DELETE CASCADE,

branch\_id INT REFERENCES branches(branch\_id) ON DELETE CASCADE,

total\_price int ,

status TEXT DEFAULT 'pending'

);

CREATE TABLE order\_items (

order\_item\_id SERIAL PRIMARY KEY,

order\_id INT REFERENCES orders(order\_id)on delete set null,

item\_id INT REFERENCES menu\_items(item\_id),

quantity INT NOT NULL,

price int NOT NULL

);

CREATE TABLE staff (

staff\_id SERIAL PRIMARY KEY,

name TEXT NOT NULL,

role TEXT,

phone\_number TEXT,

branch\_id INT REFERENCES branches(branch\_id) on delete cascade

);

Key Relationships:

* **branches** → **reservations**, **orders**, **staff** (1-to-many)
* **categories** → **menu\_items** (1-to-many)
* **customers** → **reservations**, **orders** (1-to-many)
* **orders** → **order\_items** (1-to-many)
* **menu\_items** → **order\_items** (1-to-many)

INSERT INTO branches (name, address, phone\_number, email, opening\_hours)

VALUES

('Kadıköy Branch', 'Bahariye Cad. No:34, Kadıköy, Istanbul', '0216 555 1234', 'kadikoy@restaurant.com', '09:00 - 23:00'),

('Beşiktaş Branch', 'Barbaros Bulvarı No:12, Beşiktaş, Istanbul', '0212 555 5678', 'besiktas@restaurant.com', '10:00 - 22:00'),

('Üsküdar Branch', 'Selami Ali Mah. No:7, Üsküdar, Istanbul', '0216 555 9012', 'uskudar@restaurant.com', '09:00 - 22:00'),

('Fatih Branch', 'Fevzipaşa Cad. No:89, Fatih, Istanbul', '0212 555 3456', 'fatih@restaurant.com', '11:00 - 23:30');

INSERT INTO categories (name)

VALUES

('Burgers'),

('Pizzas'),

('Sandwiches'),

('Side Dishes'),

('Drinks');

INSERT INTO menu\_items (name, description, price, category\_id, is\_available)

VALUES

('Classic Burger', 'Beef patty with lettuce, tomato, and cheese', 220, 1, TRUE),

('Cheese Burger', 'Double cheddar cheese and beef patty', 230, 1, TRUE),

('Chicken Burger', 'Grilled chicken breast with mayo and lettuce', 215, 1, TRUE),

('Spicy Burger', 'Beef with jalapeños and hot sauce', 225, 1, TRUE),

('Margherita Pizza', 'Classic pizza with tomato sauce and mozzarella', 300, 2, TRUE),

('Pepperoni Pizza', 'Loaded with pepperoni and mozzarella', 315, 2, TRUE),

('Vegetarian Pizza', 'Topped with peppers, olives, and onions', 305, 2, TRUE),

('BBQ Chicken Pizza', 'BBQ sauce, chicken, and red onion', 420, 2, TRUE),

('Tuna Sandwich', 'Tuna with mayo, lettuce, and tomato', 90, 3, TRUE),

('Club Sandwich', 'Turkey, egg, bacon, lettuce, and tomato', 110, 3, TRUE),

('Veggie Sandwich', 'Lettuce, tomato, cucumber, and hummus', 85, 3, TRUE),

('Chicken Avocado Sandwich', 'Grilled chicken with avocado and aioli', 115, 3, TRUE),

('French Fries', 'Crispy golden fries', 80, 4, TRUE),

('Onion Rings', 'Battered and deep-fried onion rings', 65, 4, TRUE),

('Mozzarella Sticks', 'Fried mozzarella with marinara dip', 100, 4, TRUE),

('Chicken Nuggets', '6-piece chicken nuggets with sauce', 85, 4, TRUE),

('Coca-Cola', 'Chilled can of Coca-Cola', 40, 5, TRUE),

('Fresh Orange Juice', 'Freshly squeezed orange juice', 80, 5, TRUE),

('Mineral Water', 'Still mineral water', 35, 5, TRUE),

('Iced Tea', 'Lemon flavored iced tea', 55, 5, TRUE);