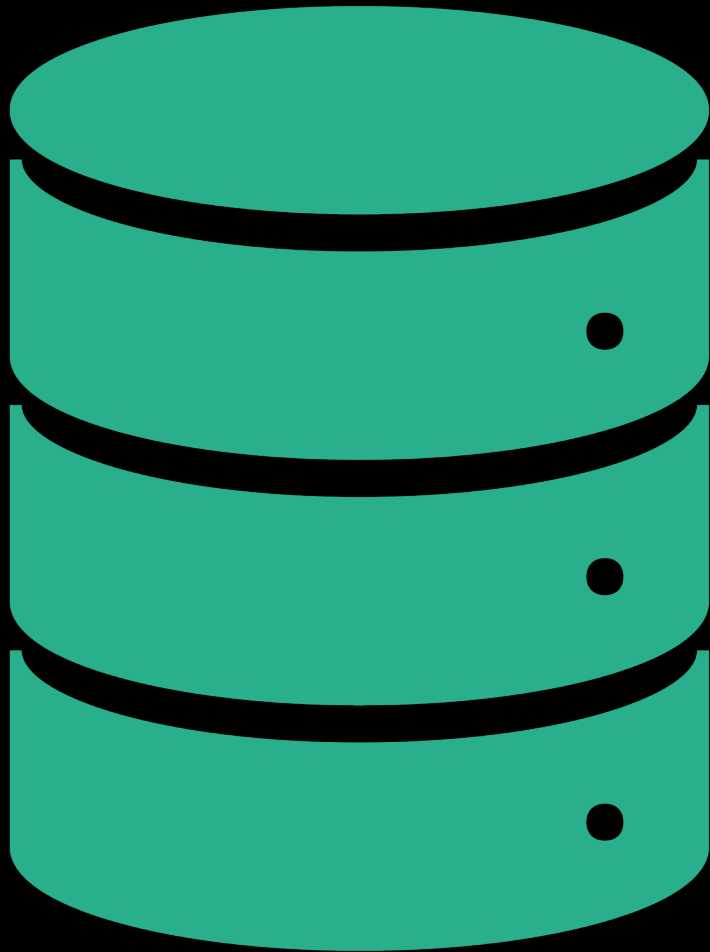# Restaurant Database Franchise

Joe Kulas, Marshal Will

Goal

Create a database system to manage a complex restaurant chain system

Motivation

Restaurants need a system of taking in orders and managing what customers are ordering

Many chains have complex interactions between their customers, orders, employees, and their managers

Data on different aspects would be important to a business owner, Exe: Number of Employees, Manager Involvement, and Items being ordered often
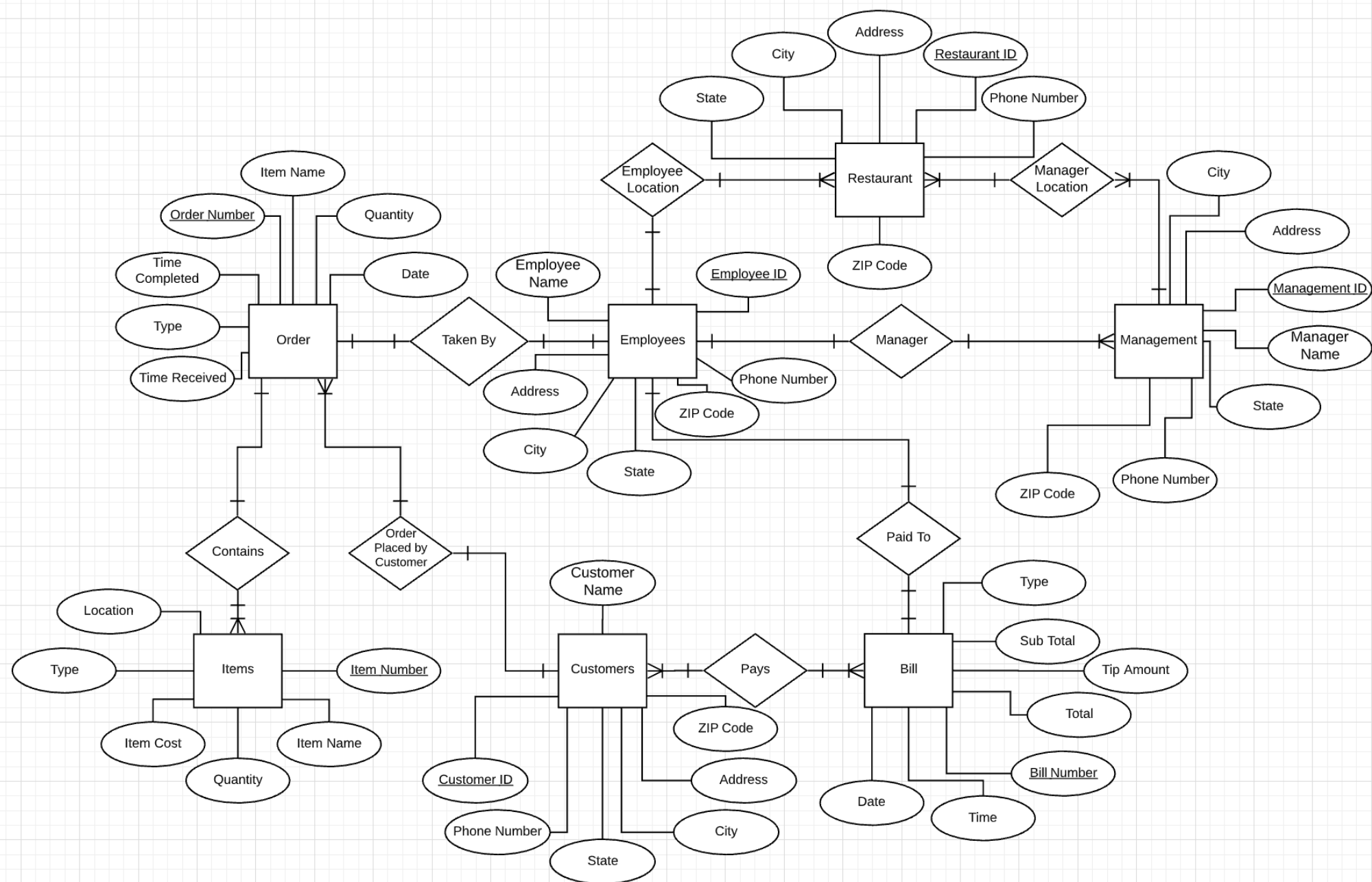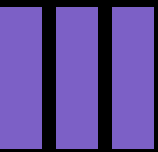
Data Collection

Data is generated from: filldb.info

Some data was manually modified to accommodate changes in the types for some of the tables.

Data is also crossed referenced to ensure accuracy

Diagram

Utility

- Ease of access to relevant information

- Allows the user to scale up and add more relevant tuples

- Makes it easier to manage a large business by allowing the database to connect to other parts of a business.

Use Cases

- You might want to know which item customers tend to order the most, so you make sure that you always have that item on hand.

- It would be of interest to know what type of order (eat in, delivery, or carryout) generates the most revenue in case you would have to close your restaurant if something like what is going on now happened in the future.

- Knowing the type of food (ex. breakfast, lunch, or dinner) that is ordered the most regardless of the time of the day it is ordered to make sure you can make that item when necessary.

- Knowing what type of orders would generate the most revenue. This would be useful to know because they would be able to determine which aspect of the business is most relevant.

- Another relevant question is how often specific menu items are ordered the most as this could help determine what supplies the restaurant should need.

Demo Cases

- What type of order generates the most revenue?
- What do customers order the most?
- What menu type do people order the most?

Roles

Marshal Will
- Database creation
- Database implementation
- Milestone Report

Joe Kulas
- Design of ERD Diagram
- Design of Schema
- Database SQL Execution