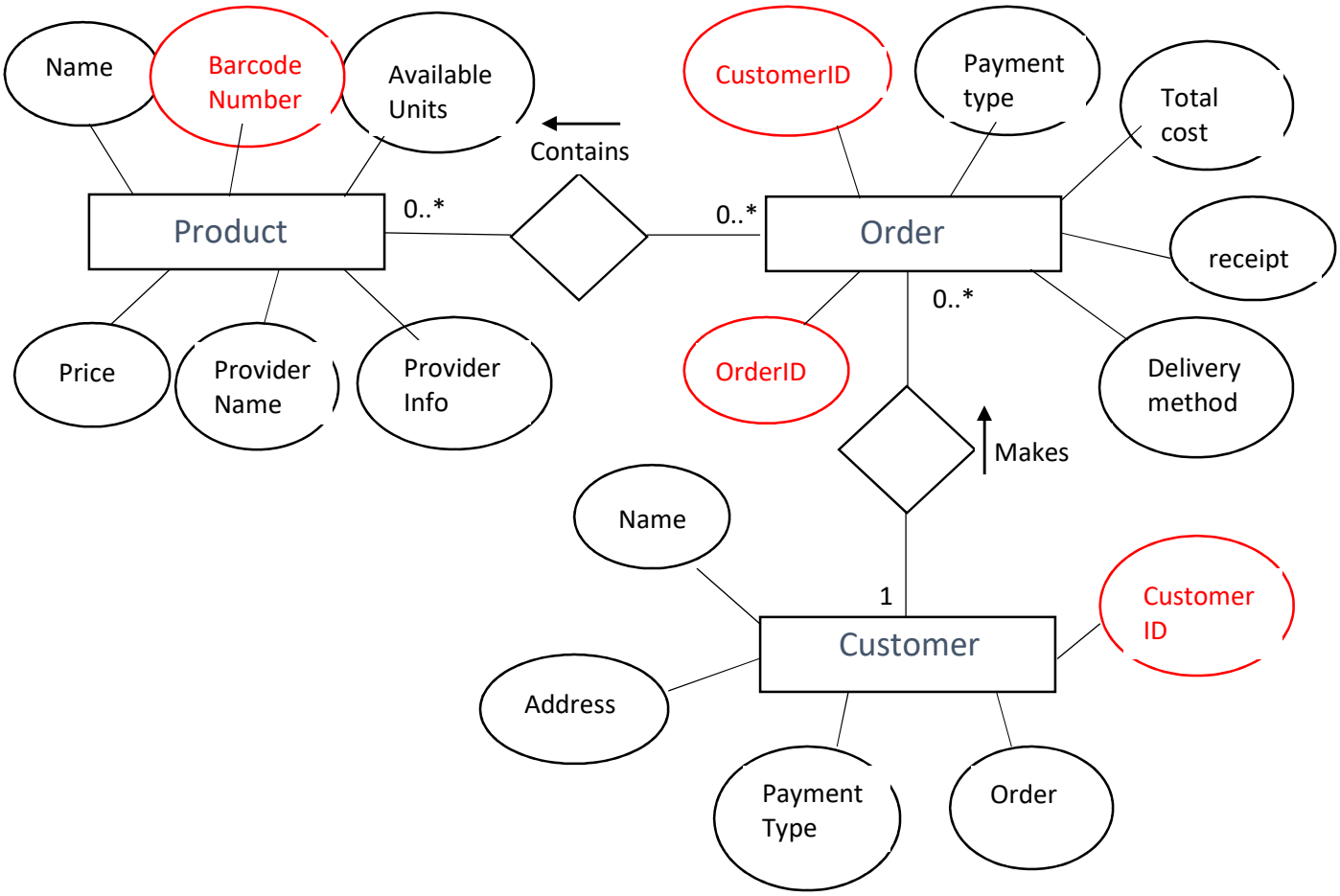
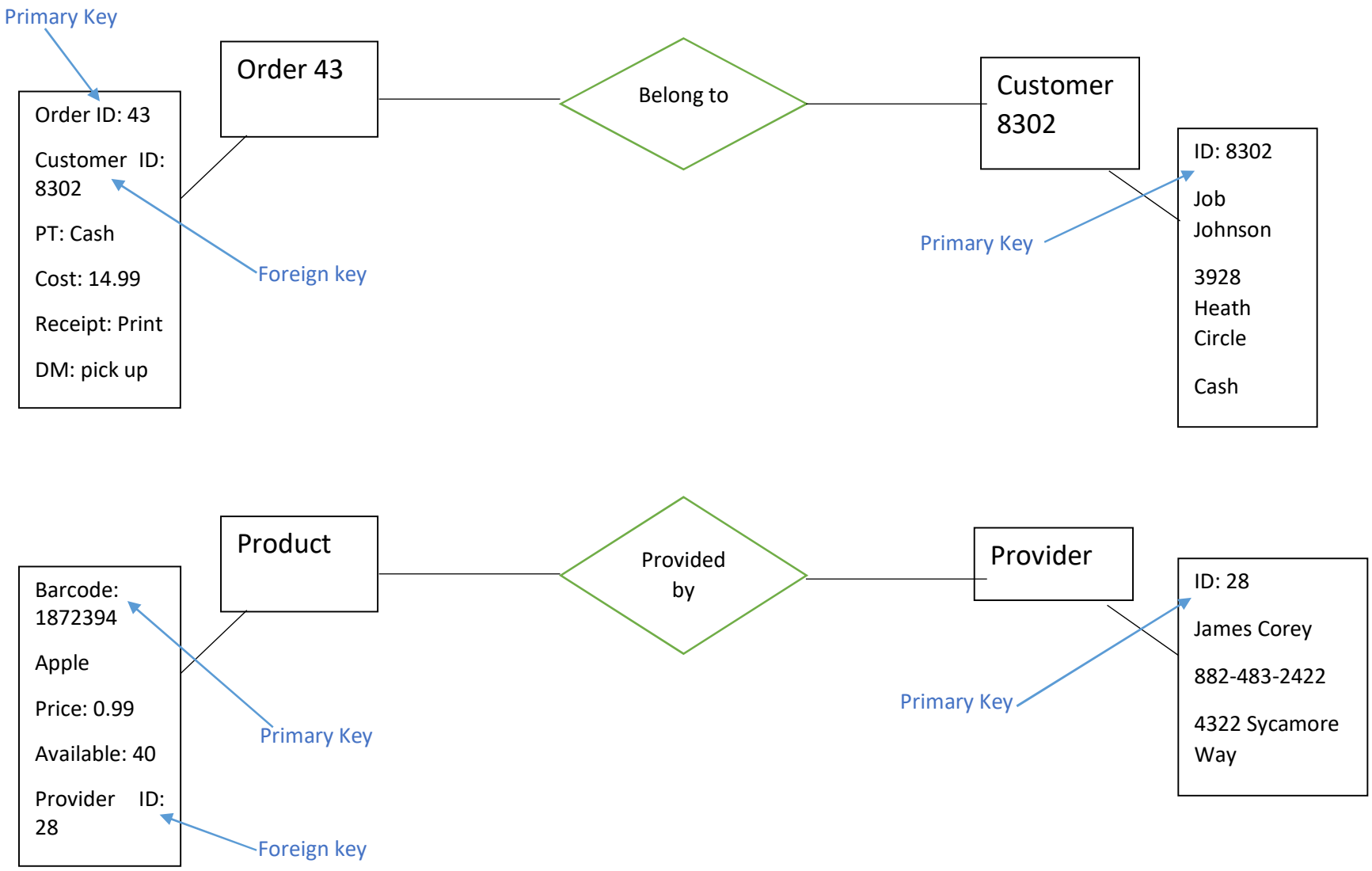
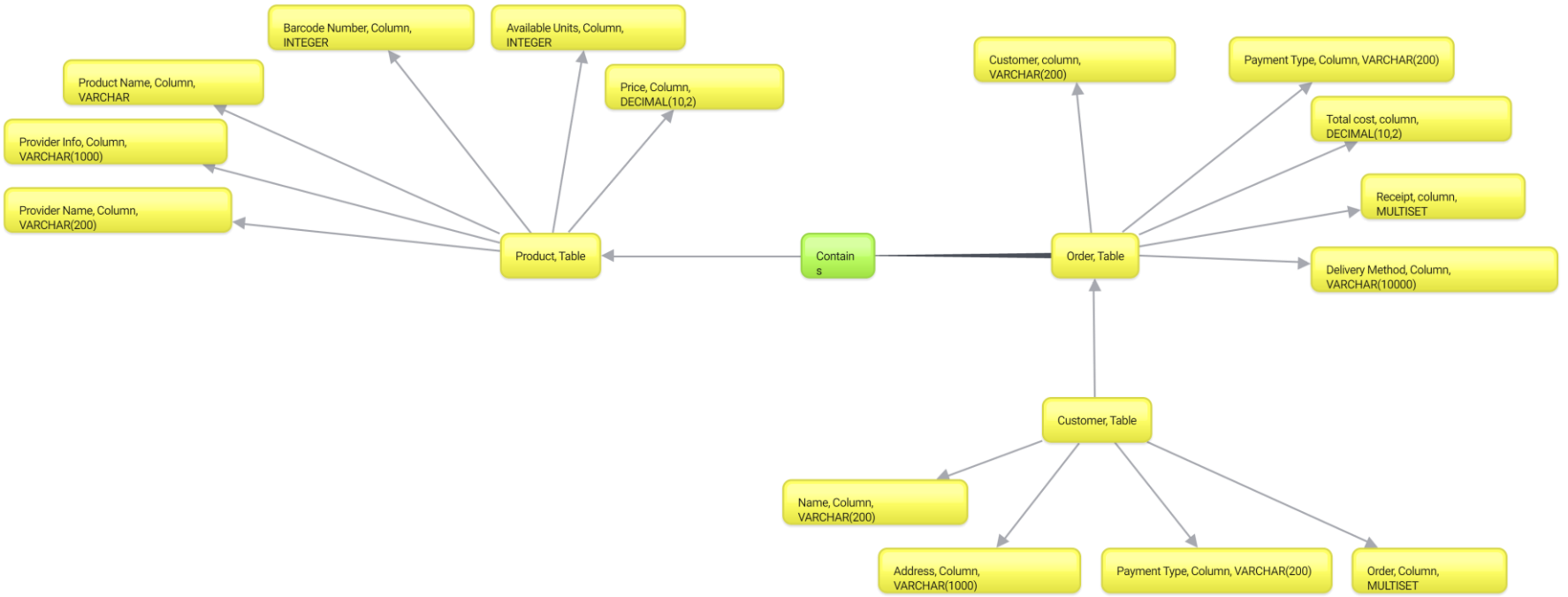


Potential Keys are in red.


Primary Key
Order 43
Order ID: 43
Customer ID: 8302
PT: Cash
Cost: 14.99
Receipt: Print
DM: pick up
Foreign key
Belong to
Customer 8302
Primary Key
ID: 8302
Job Johnson
3928 Heath Circle
Cash
Product
Barcode: 1872394
Apple
Price: 0.99
Available: 40
Provider ID: 28
Primary Key
Foreign key
Provided by
Provider
Primary Key
ID: 28
James Corey
882-483-2422
4322 Sycamore Way


Barcode Number, Column, INTEGER
Available Units, Column, INTEGER
Product Name, Column, VARCHAR
Price, Column, DECIMAL(10,2)
Provider Info, Column, VARCHAR(1000)
Provider Name, Column, VARCHAR(200)
Product, Table
Contains
Customer, column, VARCHAR(200)
Payment Type, Column, VARCHAR(200)
Total cost, column, DECIMAL(10,2)
Receipt, column, MULTISET
Order, Table
Delivery Method, Column, VARCHAR(10000)
Customer, Table
Name, Column, VARCHAR(200)
Address, Column, VARCHAR(1000)
Payment Type, Column, VARCHAR(200)
Order, Column, MULTISET
created with www.bubbl.us

Relationship Data Models

Product

Barcode Number *(Primary key)*	Product name	Price	Available Units	Provider ID *(foreign key)*
1872394	Apple	0.99	40	28
4891048	Banana	0.58	27	39
4829479	Soda	0.75	32	43

Provider (this table might not be necessary, the info could just be stored directly in the product table)

ID *(Primary key)*	Name	Phone number	Address
28	James Corey	882-483-2422	4322 Sycamore Way
39	Jane Smith	573-421-4564	8593 Trident Dr.
43	Gordon Hansen	775-322-7534	9034 Washington Avenue

Customer

ID *(Primary key)*	Name	Address	Payment type
8302	Job Johnson	3928 Heath Circle	Cash
9304	Kelsey Oaks	3920 Lilac Avenue	Cash
4204	Jenna Thomas	4904 Aspen Road	Debit

Order

Order ID *(Primary key)*	Customer ID *(foreign key)*	Payment Type	Total Cost	Receipt	Delivery Method
43	9878	Cash	14.99	Print	Pick Up
54	6734	Debit	23.39	Print	Pick Up
23	2367	Debit	7.42	Print	Pick Up

```
CREATE TABLE Product_Table
(
  Product_Name VARCHAR(200),
  Available_Units INTEGER,
  Price DECIMAL(10,2),
  Barcode_Number INTEGER,
  Provider_Info VARCHAR(1000),
  Provider_Name VARCHAR(200)
);

CREATE TABLE Order_Table
(
  OrderID INTEGER,
  CustomerID INTEGER,
  Payment_Type VARCHAR(200),
  Total_Cost DECIMAL(10,2),
  Delivery_Method VARCHAR(10000)

//probably going to need a different datatype for the receipt as multiset doesn't seem to do what I
//thought it did at the time of writing the logical diagram.
);

CREATE TABLE Customer_Table
(
  CustomerID INTEGER,
  Name VARCHAR(200),
  Adress VARCHAR(1000),
  Payment_Type VARCHAR(200)
  //same here with the order column

);
```