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Products:

* Barcode, name, productid, expiration date, price, tax rate, quantity, supplier, manufactured date, …

Customers:

* Name, address, customerid, phone, payment info, …

Relationship:

* Buy: date time, quantity, price, tax, total cost

Products(**productid**, Barcode, name, expiration date, price, tax rate, quantity, supplier, manufactured date)

Customers(**customerid**, name, address, phone)

Purchase(**purchaseid**, *customerid*, *productid*, date time, quantity, price, tax, total cost)

CREATE TABLE "products" (

"productid" INTEGER,

"barcode" INTEGER,

"name" TEXT,

"expiration date" TEXT,

"price" REAL,

"tax rate" REAL,

"quantity" INTEGER,

"supplier" TEXT,

"manufactured date" TEXT

);

CREATE TABLE "customers" (

"customerid" INTEGER,

"name" TEXT,

"address" TEXT,

"phone" TEXT

);

CREATE TABLE "purchases" (

"purchaseid" INTEGER,

"customerid" INTEGER,

"productid" INTEGER,

"date time" TEXT,

"quantity" INTEGER,

"price" REAL,

"tax" REAL,

"total cost" REAL

);

INSERT INTO customers VALUES

(1, ‘Bob’, ‘Apple Lane’, ‘808-808-8008’)

(2, ‘Dylan’, ‘Lemon Lane’, ‘777-777-7777’)

(3, ‘Dude’, ‘Orange Lane’, ‘555-444-5454’);

INSERT INTO products VALUES

(1, 101010, ‘apple’, ‘11/30/19’, 1.99, 0.10, 100, ‘American Farms’, ‘9/1/19’)

(2, 111000, ‘milk’, ‘10/31/19’, 3.99, 0.20, 30, ‘American Dairy Farms’, ‘10/13/19’)

(3, 110011, ‘bread’, ‘11/15/19’, 2.99, 0.15, 50, ‘American Bakery’, ‘10/1/19’);

INSERT INTO purchase VALUES

(1, 1, 2, ‘10/20/19’, 1, 3.99, 0.20, 4.788)

(2, 2, 3, ‘10/23/19’, 2, 2.99, 0.15, 6.877)

(3, 3, 2, ‘10/25/19’, 2, 3.99, 0.20, 9.576)

(4, 3, 3, ‘10/25/19’, 4, 2.99, 0.15, 13.754);

Purchase

Products

Customers