

# JavaJIM COFFEE Roasters

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CS 315

27 July 2016

## Business Rules

For each customer, a first name and last name are required. An email address and phone number for each customer is recorded if the information is provided. New customers may have no sales history, phone number, or email address. A customer may have none or many sales invoices.

For every vendor that products are purchased from, a business name, contact name, and the number of days within a payment is due is recorded, known as payment terms. By default, businesses require payment within 30 days, but some are 45. Every vendor has at least one product but may have many. A contact first and last name for the vendor is not required.

Every employee has a unique id number, and a record of their first name, last name, phone number, and their position within the company. Employees can be in the sales department and not have made a sale.

Each unique product has its own unique id number and is made by one and only one vendor and must have the following characteristics: country of origin, size (in pounds), and price (per pound) in U.S. dollars. Invoices may contain many products.

The total sales of all products on all invoices are tracked, as well as individual sales. Each unique sales invoice contains information about which customer is sold what products, the total value of products sold, and which employee made the sale. Each sales invoice relates to just one customer. Each sales invoice is for one and only one customer and the sale is made by one and only one sales department employee.