We are developing the database for a paper bag company. The company makes sales, and each sale has different attributes. It has a client, the items, quantities, prices, identification number, employee that produced each item, machine where each item was produced, date, status, and delivery method.

The items are paper bags,and each type of bag has a paper type, dimensions and a list of machines where it can be produced.

We need to keep track of the employee that produced the items and the machine where it was produced, so that in case a problem arises with the bags, it is possible to know who and where the mistake was made.

Employees and clients are both persons, so they have similar attributes, with them being name, identification number, phone number, e-mail and address and VAT number. Employees would also have a department, machine qualifications, salary, employment status, work location and work schedule. Clients have a history of orders and an account manager, which is an employee of the company.

The company has various warehouses, and each warehouse have certain machines and paper types in stock. We can select in what warehouse a certain item can be produced based on the machines where it can be produced and on the paper type it needs.