

BUSINESS RULES FOR AN "ORDERS STORE DATABASE SYSTEM"

A customer can request one or multiple product orders, but one order belongs to exactly one customer.

One order can be composed of one or many order items, but each order item is assigned to exactly one order.

An order must have exactly one status (processed, shipped, delivered), but one status can be applied to one or many different orders.

One order is shipped by exactly one shipper, but one shipper can distribute one or several orders.

One order can have different "order items notes", but may not have "order item notes" at all. Each order item note is assigned to exactly one order.

A product can be referenced in several "order item notes", but it may also not be taken as a reference in any "order item note". Conversely, an "order item note" must make reference to exactly one product and one order.

Each "order item" is composed by only one product, but a product can be assigned to several order items or not assigned to any.