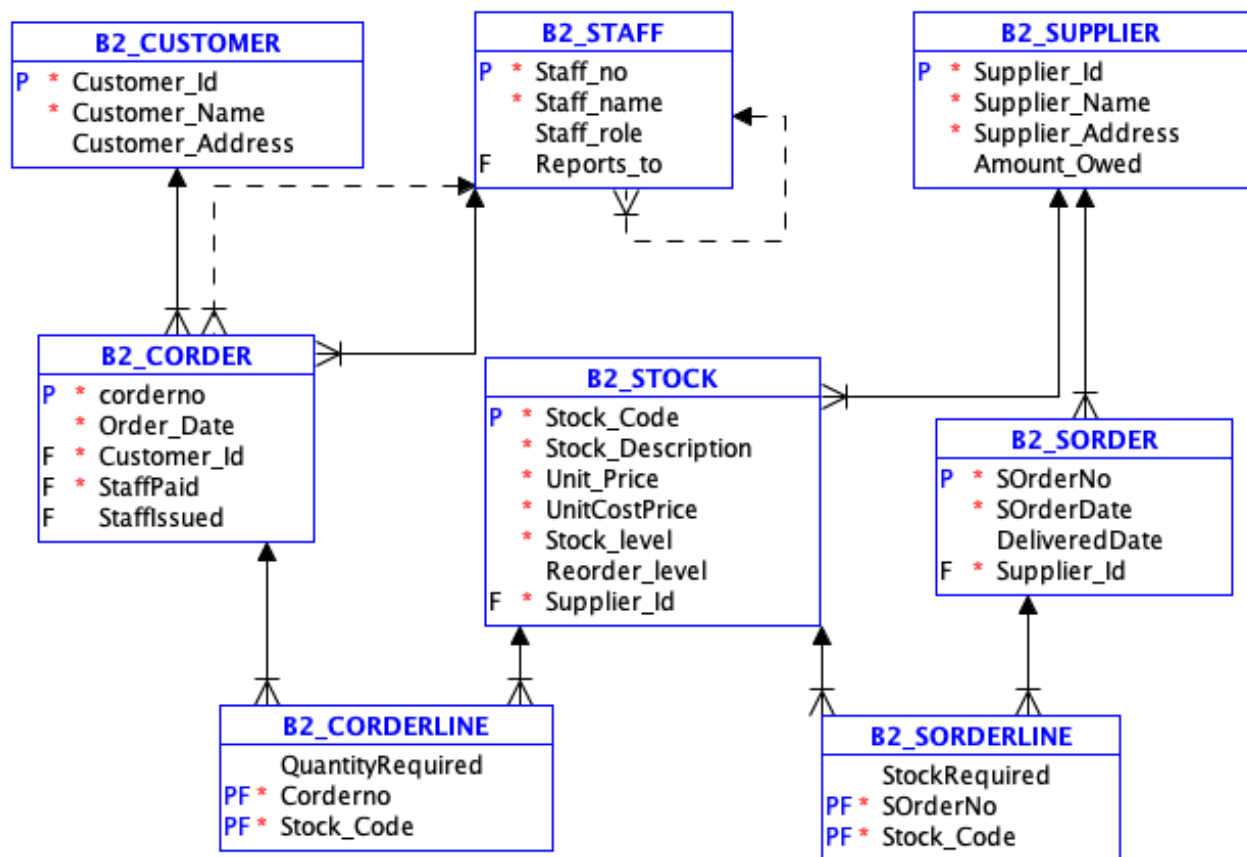


Builder Schema



The builder schema is based on an old-fashioned builders' yard, where people bought tools and supplies for DIY and more complex building projects. It is similar to the customer experience in Argos or MacDonalds. The customer starts an order (corder) and picks items from a stock list (stock) and adds them as a line to the order (corderline). The order is recorded by a staff member, who is paid for the order as it is placed (staffpaid). When the order is ready, a staff member (possibly a different one (staffissued)) signs the completed order over to the customer. Each staff member has a role and a staffno. He / she may report to another staff member. The supplier side is very similar to the customer side. However, each stock item is related to one and only one supplier.

Each stock has a code, a description, a quantity in stock (stock_level) and a unit price (what the customer pays). It also has a unit cost price (what the suppliers charged) and a reorder level. This is the level at which the stock needs to be reordered.

Each corderline represents a stock item that a customer has ordered on a specific order. A customer could make many orders and could order many stock items on the order. Similarly, he / she could order the same thing again in a later order. The corderline specifies the amount of a specific stock item the customer is requesting in this particular order.

Relationships:

Customer:corder A customer can place 0, 1 or many orders. An order is placed by 1 and only 1 customer.

Staff:corder A customer order is paid for to one and only 1 staff member. A staff member can take payment for 0 or many corders. An order may be filled, or issued by a staff member. If the order hasn't been filled, the staffissued attribute is null.

Staff:staff One staff member will report to 0 or 1 other staff member. A staff member may be reported to by many other staff members.

Corderline:corder A corderline belongs to 1 and only 1 corder. A corder has 0,1 or many corderlines.

Corderline:stock A corderline orders 1 and only 1 stock. Stock can be on 0, 1 or many corderlines.

To create and populate these tables in your schema, run
MAKEBUILDER2023.sql as schema owner BUILDER.