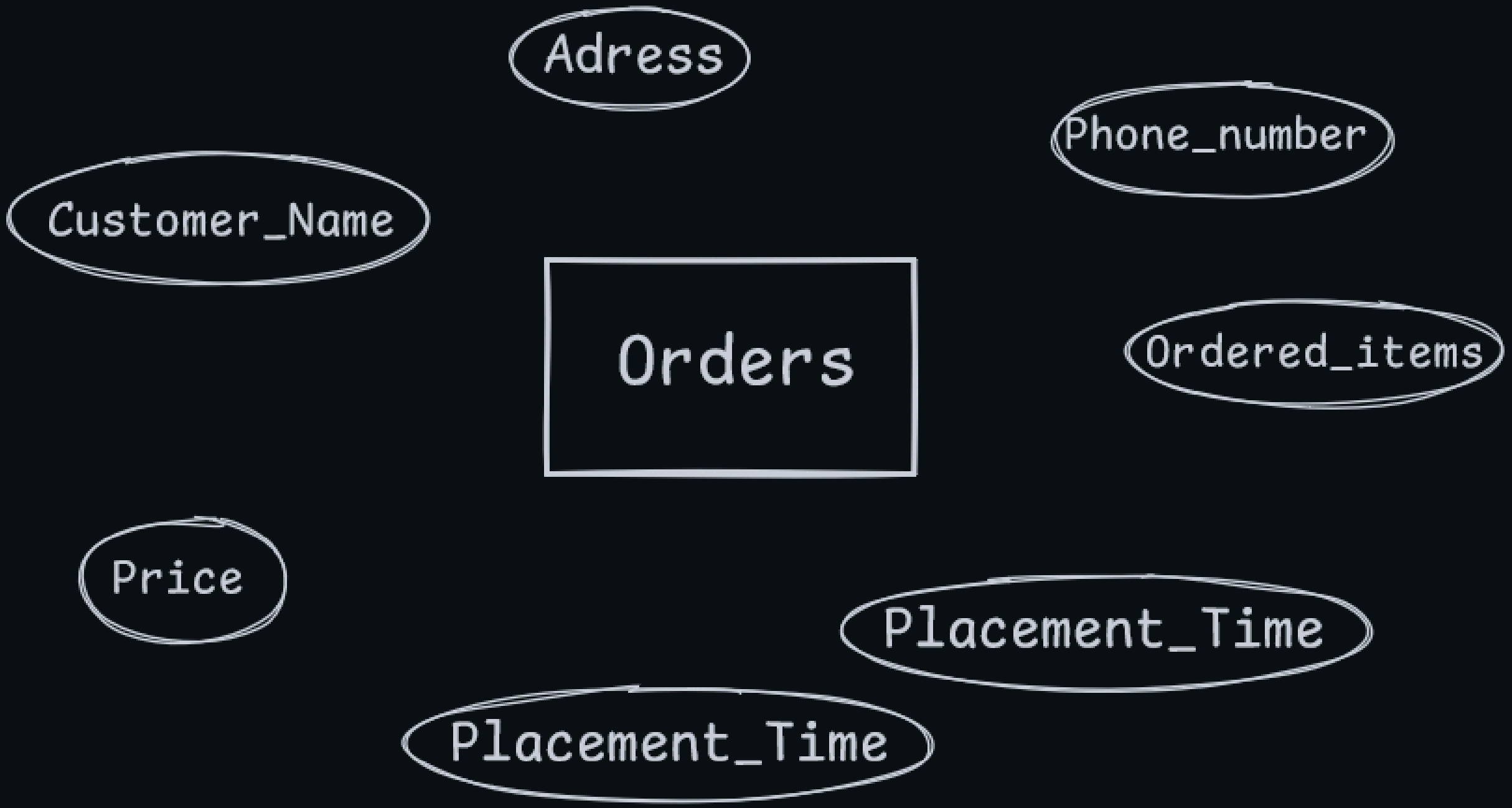
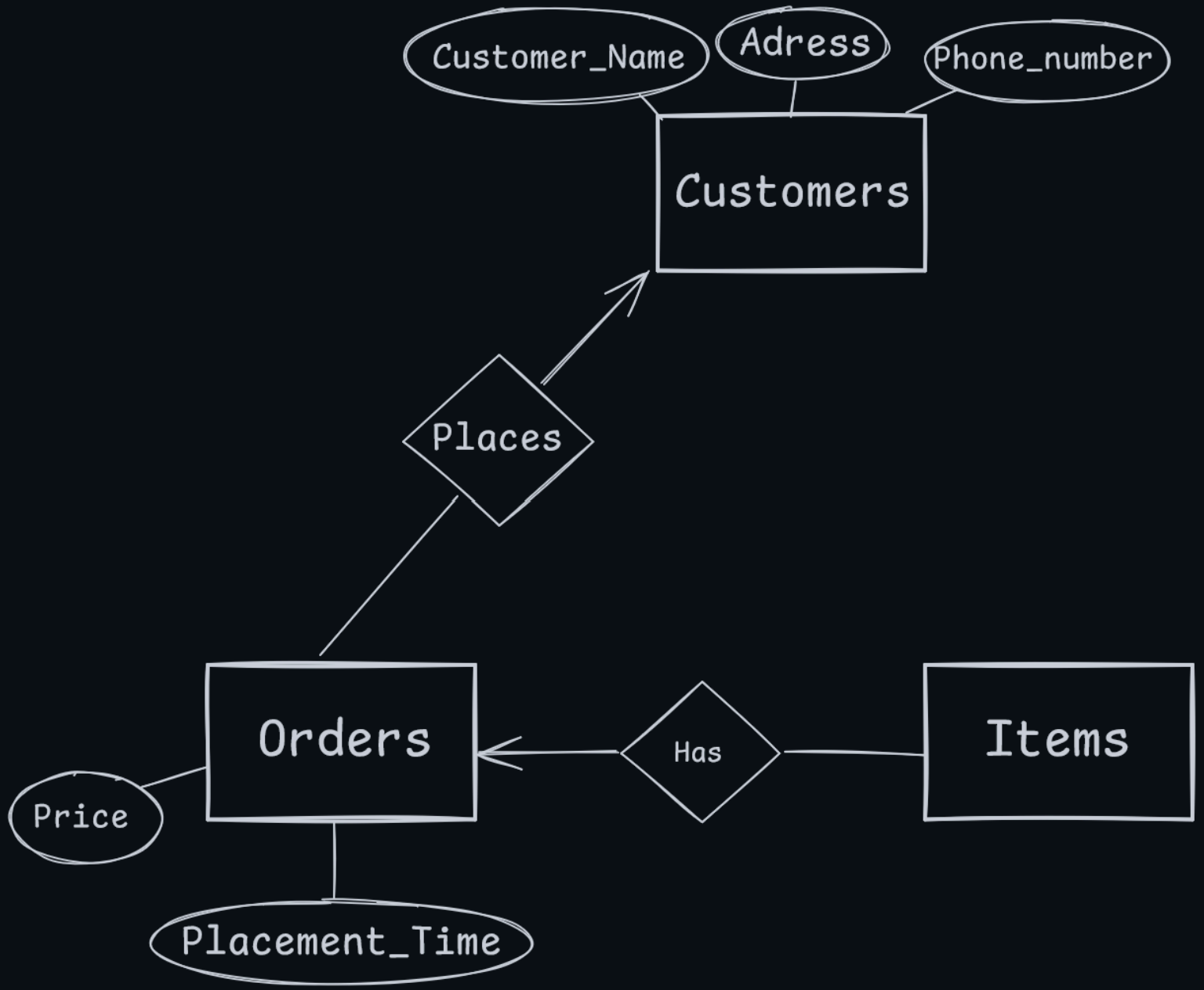
Desing Steps

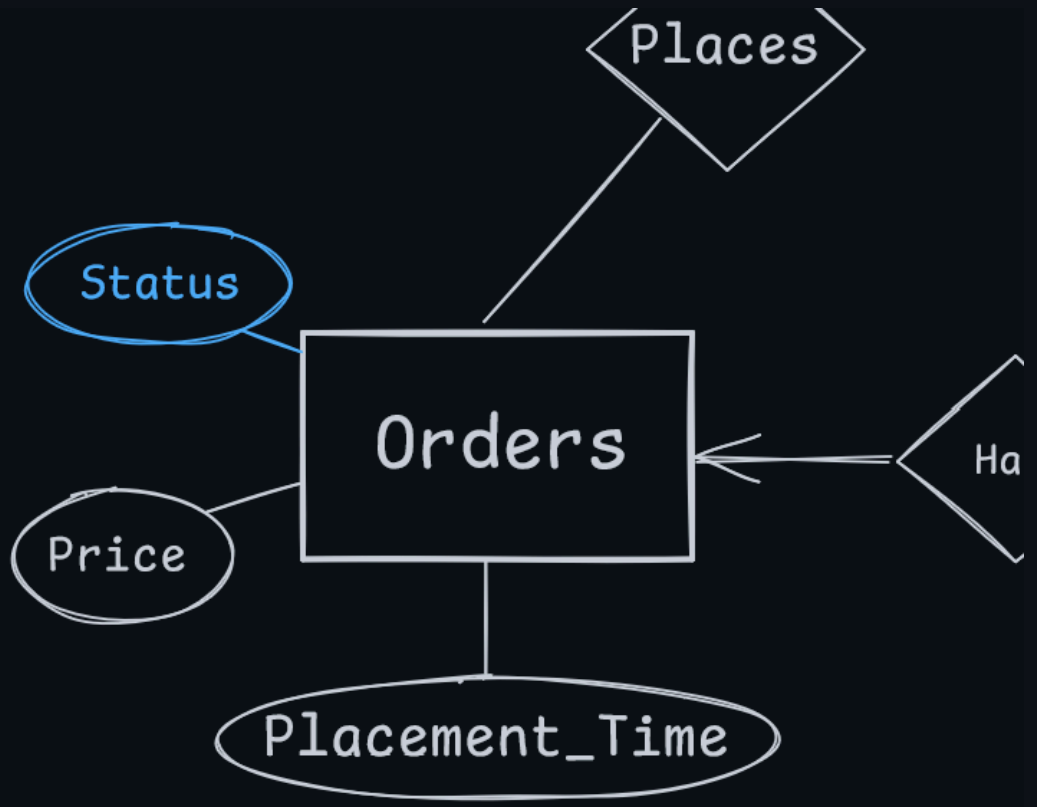
- When a customer calls and places a delivery order, an employee records the order on a multiform order ticket.
- The employee captures such details as customer name, business or home address, phone number, order placement time, items ordered, and amount of sale.


Adress
Phone_number
Customer_Name
Orders
Ordered_items
Price
Placement_Time
Placement_Time

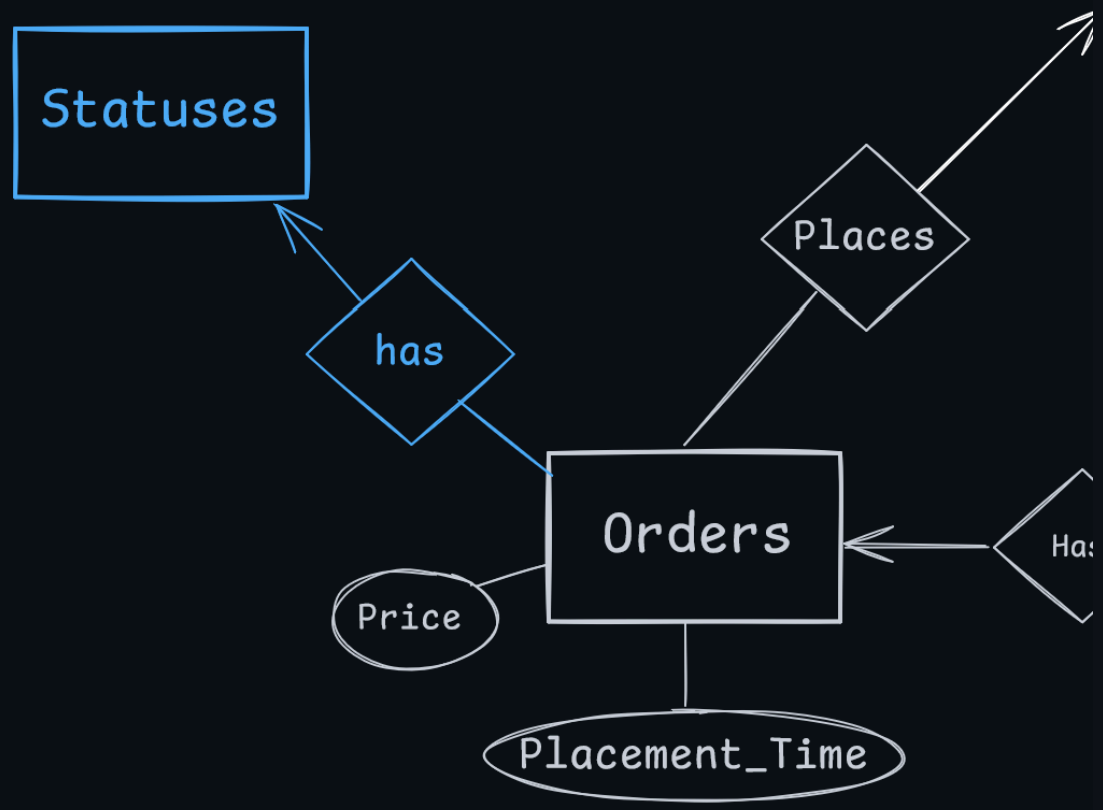

Customer_Name
Adress
Phone_number
Customers
Places
Orders
Has
Items
Price
Placement_Time

- The multiform document is sent to the bouquet designer who will make the order ready for delivery.

1.


Places
Status
Orders
Ha
Price
Placement_Time

2.


Statuses
Places
has
Orders
Price
Placement_Time

- Multiple copies of the shop’s order will be there (one for the client, the shop and one places in a reconciliation box)
- When the order is prepared, the delivery person delivers the order to the customer, removes one order ticket from the delivery box, collects payment for the order, and returns to Rachel’s Flowers shop (to take his second order if there are any).

- Upon arriving at Rachel's Flowers and decor shop, the delivery person gives the order ticket and the payment to Rachel.
- Each evening Rachel reconciles the order tickets stored in the reconciliation box with thedelivery payments and matching order tickets returned by the delivery person (to avoid any discrepancies).

Do we have to model this?

Solution

You can have

- ***delivering***
- ***payed***

statuses.

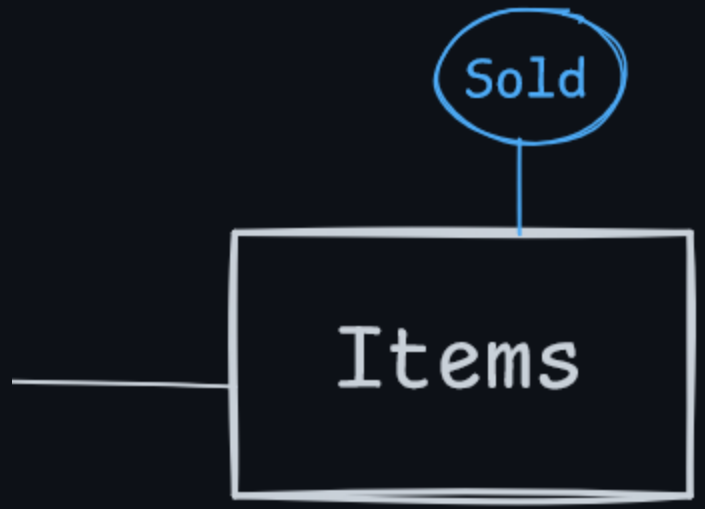
- Each evening Rachel reconciles the order tickets stored in the reconciliation box with the delivery payments and matching order tickets returned by the delivery person (to avoid any discrepancies).

Can our ER diagram do this?

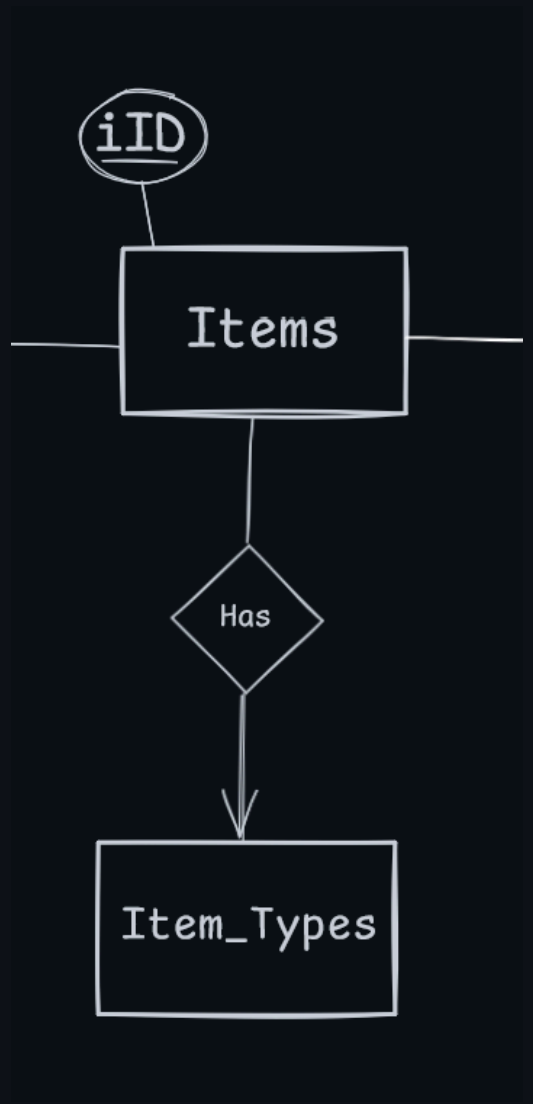
- At the close of business ***each evening***, Rachel uses the data from the order tickets to update the goods sold and inventory files and generate the daily reports and to order new flowers from her flower supplier (different flower fields) if needed to maintain the stock levels.

Solution

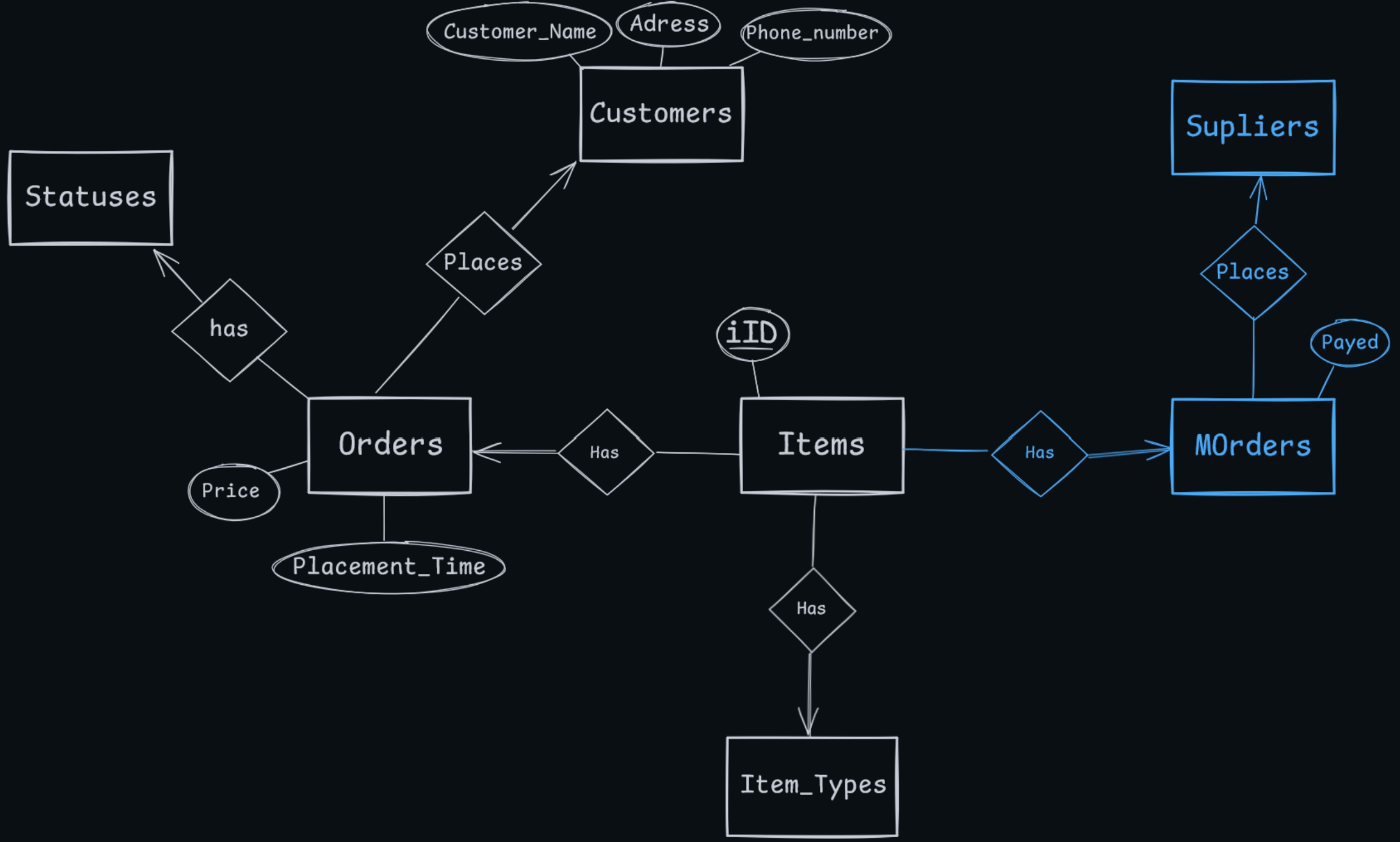
1. You can find out from the **payed** orders which items have to updated.
2.



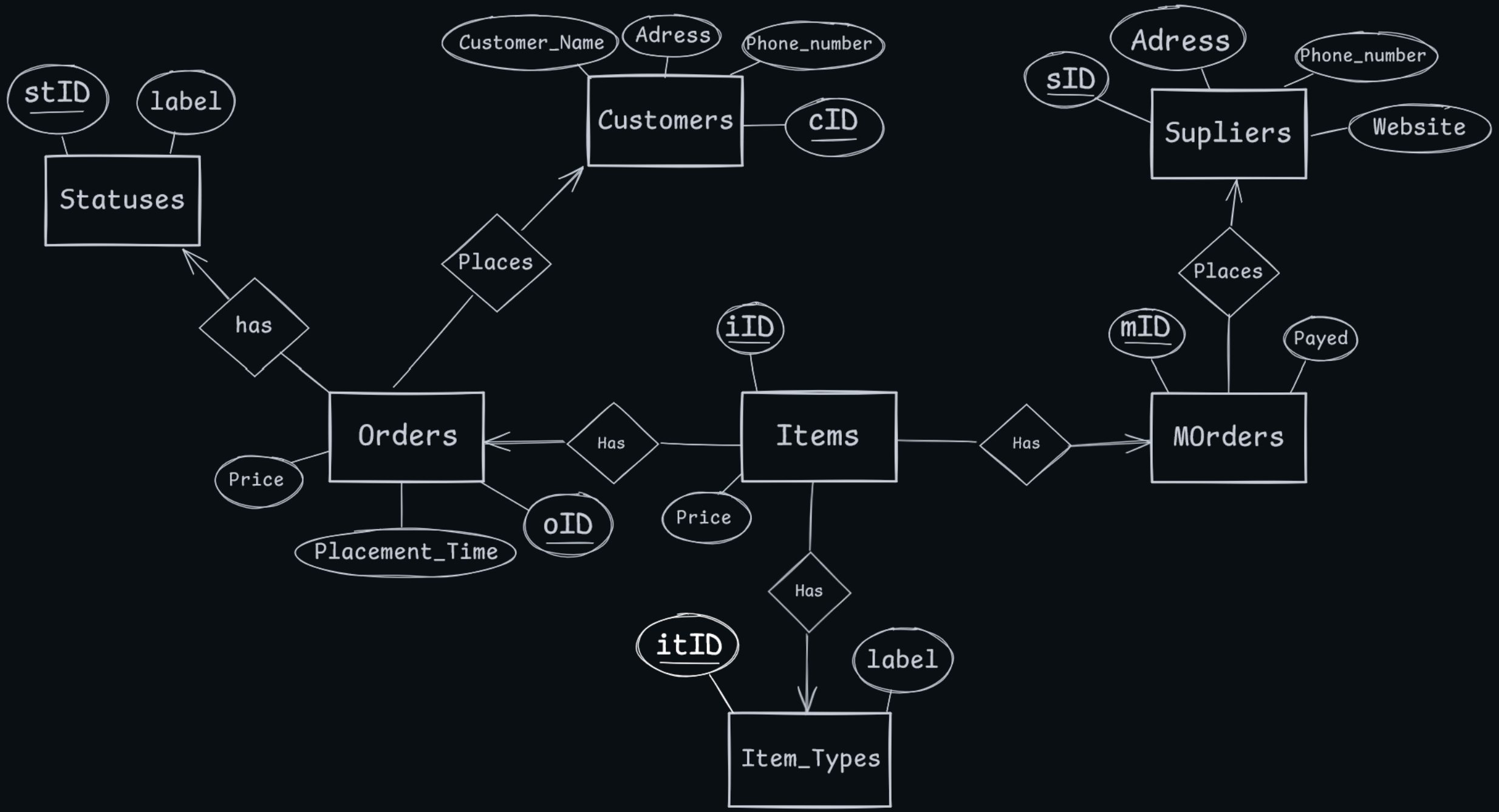
We also have to check the stock levels so we have to differentiate what type of item we have!


iID
Items
Has
Item_Types

- This online system must be able to monitor and report changes inventory material levels and ***to issue material orders and payments to suppliers***. Thus, the central data entity for this system will be an INVENTORY ITEM.


Customer_Name
Adress
Phone_number
Customers
Statuses
Places
has
Orders
Price
Placement_Time
iID
Items
Has
Has
Has
Item_Types
Supliers
Places
Payed
MOrders

Is this complete?


Customer_Name
Adress
Phone_number
Customers
cID
stID
label
Statuses
Adress
sID
Phone_number
Supliers
Website
Places
has
Places
iID
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Payed
Orders
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Items
Has
MOrders
Price
oID
Placement_Time
Price
Has
itID
label
Item_Types