

Shop system

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I'm about to create a database for my father shop, my father sells women clothes such as wedding dresses, pants, skirts, jackets and so on. His shop consists of clothes items, employees, wholesalers and customers.

- Each clothes style has id, type, description, date of adding the product, size range, colors, purchase price, selling price, and the number of items.
- Each item of the style has a size, color, and the place where the item stored (shop or warehouse (معرضة للبيع في المعرض أو في المخزن)).

في عنا بضاعة بالمحل، هاي البضاعة عبلة عن عدة موديلات، كل موديل إله رقم ووصف وووو، هذا الموديل يكون منه أكثر من قطعة، كل قطعة عبلة عن قياس ولون مختلف.

يعني مثلاً: متوفر 8 قطع من الموديل رقم AA725، الـ 8 قطع هي كالتالي:

- قطعتين قياس S، قطعة لون أحمر وقطعة لون أصفر.
- قطعتين قياس M، قطعة لون أحمر وقطعة لون أصفر.
- قطعتين قياس L لون أحمر.
- قطعتين قياس XL، قطعة لون أسود وقطعة لون أحمر.

- Each employee has id, name, phone number, address, start working date, end working date and wage.
- Employee wage is not static, it may change over time.
- Each customer has id number, name, nickname, address, phone number, date of adding the customer to the system and any other needed attributes.
- Wholesalers are the Turkish sources of clothes. Each one has an id, name, address, phone number, website, date of adding them, and types of clothes provided.
- Each clothes style has a wholesaler, one style cannot have more than one wholesaler, each wholesaler can be the source of more than one style.
- Each process (sale, replace or return) of any product should be recorded.
 - If the process is selling, the record will contain selling id, item id, color, size, storing place, selling price, customer, the employee makes the process, date and time.
 - If it's a replacement process, the record will contain replacement id, selling id, the new item, price of the taken item, customer who makes the process (not required to be same with the buyer), employee, date and time, reason of replacement.
 - If the process is returning, the record will contain returning id, selling id, customer who makes the process (not required to be same with the buyer), amount of money get back, employee, date and time, reason for returning.

Our system aims to store all the information about clothes in the shop; shop customers, employees and wholesaler, and to record all processes so that we can make queries like monthly incomes and specific customer total sales. Also to make it easy to find info about the selling process when a customer wants to replace or return an item. And to get the number of items that remains from a specific style. And to get the number of items in the warehouse, and to know the place of specific item. We can make a lot of reports and queries as needed.