

Son Cao
570135

Assumption:

- A store can have zero (newly open) or many stocks. But each stock must belong to 1 store.
- A stock can have zero or many articles. But an article must belong to only 1 stock.
- Each article must belong to 1 category, the category can group multiples articles and could exist without any article yet.
- Customer can place zero or many orders but each order must belong to 1 customer.
- Each order consist of 1 (must have 1) (it's meaningless to have an empty order) or more order items. Each order item must belong to 1 order.
- Each article can appear without an order item (like in the store no one bought it yet) or many order items. But each order item must refer to 1 article.

customer	
PK	<u>customer_id</u>
	first_name
	last_name
	phone
	zipcode
	city
	house number
	street

Order	
PK	<u>order_id</u>
	order_date
FK	store_name
FK	customer_id

store	
PK	<u>store_name</u>
	street
	house_number
	zipcode
	city
	phone

StoreStock	
PK, FK	<u>store_name</u>
PK, FK	<u>article_id</u>
	stock_quantity

OrderItem	
PK, FK	<u>order_id</u>
PK, FK	<u>article_id</u>
	quantity
	unit_price

Article	
PK	<u>article_id</u>
	name
	price
	description
FK	category_id

category	
PK	<u>category_id</u>
	category_name
	description