Group 47
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Phase 1 Assumptions:

1. For the store entity we assumed that date established would be an optional attribute.
2. Because a product entity is a weak set, there is no primary key for the product.
3. We implemented the app entity to organize and create a clear constitution for product management between the customer and products. App has the ability to review order history which we assume is what the customer would want to do when visiting their profile. We have a stock attribute representing the quantity of a particular product available in the store. If the stock is greater than or equal to the quantity the user wishes to purchase, then the app will allow them to purchase the product.
4. We didn't implement the product's number of units being updated in the product table because we assume that the quantity of a particular product will always be in stock.
5. We assumed the order history would be listed in chronological order starting from most recent so we didn't include it in our diagram.
6. **Aggregation**: Because the managers order from the warehouse for supplies, and because each store has a warehouse with the products, it makes sense to aggregate the entities, warehouse, stores, managers for a supply request relationship
7. We created an entity named "numberofUnits" which has a relationship of "updates" to "products" because the amount of products based on unit per capita is updated every order from the manager to the stores. Therefore, having a table for each unit will give us different product amounts with different order counts which makes it easier to keep track of each product order.