**MIDTERM 1 – Review Questions**

**A diagram of a product

Description automatically generated**

Use the above ERD to answer the following SQL problems:

1. Return the store with the most staffs.
2. Return the customers that have bought $2000 products in the last month.
3. Return the number of times that products with model year of 2017 and price of $1000 or more, have been ordered.
4. Return the CA customers that have purchased from an out of state store.
5. List the out of stock products for Store ID 1.
6. Return the customers that their number of orders is above average.
7. Return the name of all the managers.
8. For 2016, return the store that has the most orders in Spring season (March, April, May).

A screenshot of a computer

Description automatically generated

Use the above ERD to answer the following SQL problems:

1. Return the products and total quantity that was ordered in the last month. Sort the result with the most popular product at the top.
2. Return the categories, number of products in each category and the list price of the more expensive product in that category. Sort the result set so the category with the most products appears first.
3. Return the customer information along with total shipping and the date of their most recent order.
4. Return the customers with the count of their orders and the total amount for those orders. Order by the customer with the highest orders.
5. Modify Q3 to only count the line items that have an item price value that is greater than $400.
6. Write a query that answers this question: What is the total amount ordered for

each product?

1. Write a query that answers this question: Which customers have ordered more than one product?
2. What is the average number of days from the time the order is placed till the shipping date.
3. Assuming each credit card company will receive 2% off each order, return the amount each credit card company has made based on the orders placed so far.
4. Return the year 2024 credit cards that have expired and those that haven’t. Add a column card status that will either say “Expired” or “Expire in a year”.