Mini World Project

Before the research even started I understood that a database for a clothing store had a very simple structure which is just a table for an employee, product and an order table. The employee table is to keep a database for your employees that you hire, the product table is to keep in stock on what you have to sell and an order table to have a database of sales and transactions. What is different about my database is that it is a sustainable fashion brand which is where my research began.

From what I've seen sustainable fashion brands heavily prioritize eco-friendly materials and through a read in an article from Weavabel when discussing what makes your brand sustainable the key thing was finding an eco-friendly source for your materials(Weavabel). A lot of brands practice this by finding manufacturers who use organic cotton material and recycled fabric making them more eco-friendly, which is why we have to make a database for our supplier which makes sense that we need a supplier database table and a material database to ensure the fabric comes from eco-friendly area with high quality material that makes the products sustainable. Another practice that gets a lot of attention is circular fashion, which is the aim to extend the use of clothes and this can be done by repairing, recycling and upcycling different pieces(Team), which is why I think it is important to introduce a repair table. It makes sense for a sustainable fashion brand and you see it through local businesses and even large businesses like Uniqlo("Login | ACFE") who provides services like repairs to have more of an eco-friendly business practice.

Now that we have the tables we now have to label the relationships across each table, first the customer places an order during this an order is handled by an Employee, both are 1 to many relationships as one customer can place many orders but an order belongs to one customer, as well as one employee handles multiple orders. Then the order table will include a relationship from the product and repair table and they are both 1 to many. An Order can contain many products as well as it can contain many repairs in one order as well. Now the relationship between the product table and material table is a little different, it is a many to many relationship as products can be made from many materials or at least one material. And finally all of these materials come from a supplier, it is a 1 to many relationship as one supplier provides many materials to conclude this database.

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