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Assignment 3.

Employee table – Has Employee ID Primary Key, used to track all information about the employees, Name, Address and Position and which Factory they work at. Each Employee has one position only, however many positions can be filled by employees. Likewise, each employee can have only one location, however each location can have many employees.

Position Table, Has Pos\_ID as Primary key, each position is listed here and assigned to an employee. Position is used to determine rate of pay. And each position is assigned to only one department, but each department can have many positions.

Factory Table, two entries, Houston, or Cincinnati. Factory has two foreign keys. Each Product is made at one factory, but each factory can make many products, likewise each factory can have many employees, but each employee can only work at one factory.

Product table – This a super Table of the products. Containing the Product type to indicate which subtype the products belong. Each product is only a Di, a Miniature, or a Spellcard. And Product price is recorded here because that Is a shared trait, each product will have a price. However, products are unique, and these traits are recorded in their perspective subtype table.

Customer table – Used to track customer information and any orders the customer makes. Each customer is a Business Entity, (like a gaming store or hobby shop) that Murderhobo Inc sells their product to and then they resell them to end customers. Each Customer can make many orders, but can make zero after contacted by a salesperson, but each order is only made by one customer.

Order Table, join table between Products and costumer. This includes the CustomerID, the ProductID, and other information such as Order date, and shipping date and Order total (which will be a sum of each product price).