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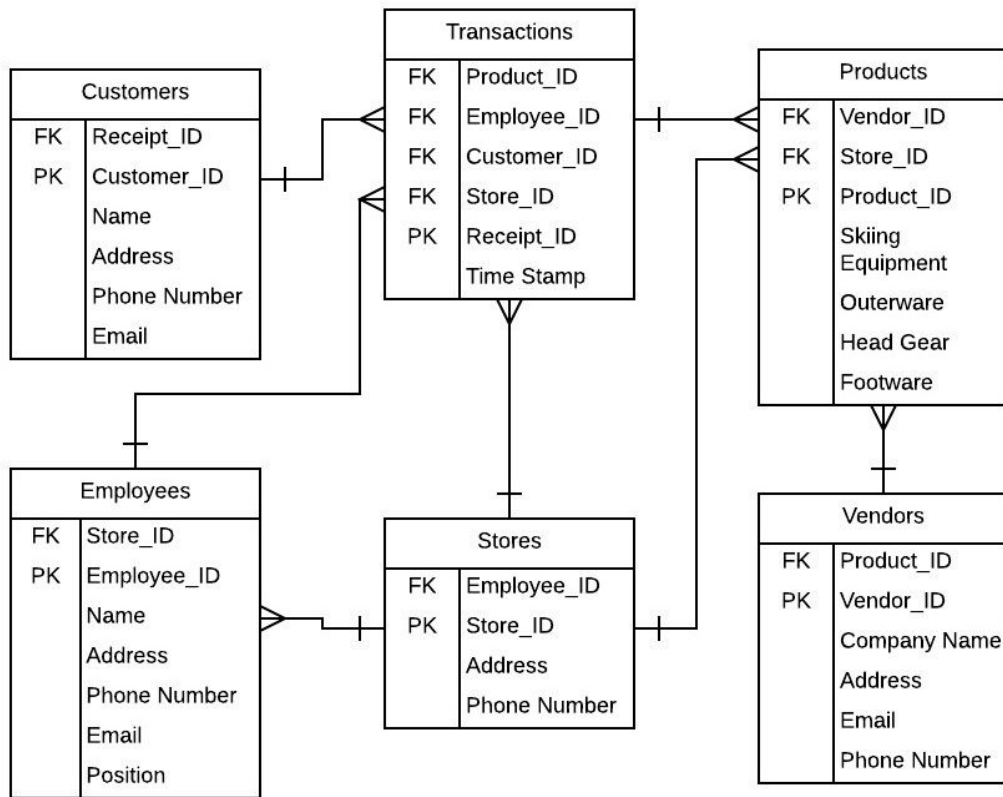
Database Management

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Data Types

The topic in which I would create a table could be for any store or business, but mine is particularly for a Ski Shop. There would be multiple keys used like primary keys and foreign keys. One table might be called Employees, and in that table the primary key would be the *Employee_ID*, a foreign key would be the *Store_ID* which would be referencing another table. The elements in the Employee table would hold the data / information that would be their name, address, phone number, email, position, etc. In the Store table it's primary key would be the *Store_ID* and the foreign key the *Employee_ID*. The elements for that table would be the store's address and phone number. This could then continue on to make tables for Customers, Transactions, Products, Vendors, etc. An example would be the chart I made below.

Transactions

FK	Product_ID
FK	Employee_ID
FK	Customer_ID
FK	Store_ID
PK	Receipt_ID
	Time Stamp

Customers

FK	Receipt_ID
PK	Customer_ID
	Name
	Address
	Phone Number
	Email

Products

FK	Vendor_ID
FK	Store_ID
PK	Product_ID
	Skiing Equipment
	Outerware
	Head Gear
	Footware

Employees

FK	Store_ID
PK	Employee_ID
	Name
	Address
	Phone Number
	Email
	Position

Stores

FK	Employee_ID
PK	Store_ID
	Address
	Phone Number

Vendors

FK	Product_ID
PK	Vendor_ID
	Company Name
	Address
	Email
	Phone Number

These tables in the database are necessary for any type of store or business because it's data and information that they would need in order to run such an establishment.