



## Tables and Fields

### Branch

- branch\_code (PK)

- branch\_name
- location
- contact\_number

### **Product**

- product\_id (PK)
- product\_name
- size
- color
- category
- quantity\_in\_stock
- unit\_price
- discontinued

### **Customer**

- customer\_id (PK)
- first\_name
- last\_name
- email
- gender
- date\_registered

### **Sales Rep**

- sales\_rep\_id (PK)
- name
- branch\_code (FK → Branch)
- email
- hire\_date
- active\_status

### **Sales**

- sale\_id (PK)
- customer\_id (FK → Customer)
- sales\_rep\_id (FK → Sales Rep)
- branch\_code (FK → Branch)
- sale\_date
- payment\_type
- total\_amount

### **Sales Items**

- sale\_item\_id (PK)

- sale\_id (FK → Sales)
- product\_id (FK → Product)
- quantity\_ordered
- unit\_price

### **Restock**

- restock\_id (PK)
- product\_id (FK → Product)
- supplier\_name
- quantity\_added
- cost\_price
- restock\_date

### **Returns**

- return\_id (PK)
- sale\_id (FK → Sales)
- return\_date
- reason

### **Return Items**

- return\_item\_id (PK)
- return\_id (FK → Returns)
- product\_id (FK → Product)
- quantity\_returned

### **Stock Transfer**

- transfer\_id (PK)
- product\_id (FK → Product)
- source\_branch\_code (FK → Branch)
- dest\_branch\_code (FK → Branch)
- quantity\_transferred
- transfer\_date
- reason

## Relationships Between Tables

Parent Table	Child Table	Relationship Type	Description
<b>Branch</b>	Sales Rep	One-to-Many	Each branch can have many sales reps.
<b>Branch</b>	Sales	One-to-Many	Each sale happens at a single branch.
<b>Branch</b>	Stock Transfer	One-to-Many (×2)	A transfer has both a source and destination branch.
<b>Product</b>	Sales Items	One-to-Many	A product can appear in many sale items.
<b>Product</b>	Restock	One-to-Many	A product can be restocked multiple times.
<b>Product</b>	Return Items	One-to-Many	A product can be returned in many return entries.
<b>Product</b>	Stock Transfer	One-to-Many	A product can be transferred between branches multiple times.
<b>Customer</b>	Sales	One-to-Many	A customer can make many purchases.
<b>Sales Rep</b>	Sales	One-to-Many	A sales rep can facilitate many sales.
<b>Sales</b>	Sales Items	One-to-Many	One sale can have multiple items (products).
<b>Sales</b>	Returns	One-to-Many	One sale can have multiple return transactions.
<b>Returns</b>	Return Items	One-to-Many	One return can include multiple items.