**Entities and Attributes**

1. **DimCustomer**
   * **CustomerKey** (PK, surrogate)
   * CustomerID (business key, unique)
   * CustomerName
   * Region
2. **DimProduct**
   * **ProductKey** (PK, surrogate)
   * ProductID (business key, unique)
   * ProductName
   * Category
   * Price
3. **DimStore**
   * **StoreKey** (PK, surrogate)
   * StoreID (business key, unique)
   * StoreName
   * Location
4. **DimDate**
   * **DateKey** (PK, surrogate)
   * DateValue
   * Year
   * Month
   * Day
5. **FactSales**
   * **SalesKey** (PK)
   * DateKey (FK → DimDate)
   * CustomerKey (FK → DimCustomer)
   * ProductKey (FK → DimProduct)
   * StoreKey (FK → DimStore)
   * Quantity
   * TotalAmount
   * created\_at
   * updated\_at
6. **StgSales** (staging, optional for ETL)
   * DateValue
   * CustomerID
   * ProductID
   * StoreID
   * Quantity

**Relationships**

* **FactSales → DimDate**: Many-to-One
* **FactSales → DimCustomer**: Many-to-One
* **FactSales → DimProduct**: Many-to-One
* **FactSales → DimStore**: Many-to-One

This is a **classic star schema**: one central fact table (FactSales) connected to four dimension tables.

