**Database Schema**

**1. ProductCategory**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + productCategoryName (String, Not Null)

**2. Supplier**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + supplierName (String, Not Null)
  + supplierMail (String, Not Null)
  + supplierContact (String, Not Null)

**3. Product**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + productName (String, Not Null)
  + description (Text, Optional)
  + productImage (String, Optional)
  + modelNumber (String, Optional, Unique)
  + serialNumber (String, Optional, Unique)
  + productCategoryId (Foreign Key to ProductCategory.id)

**4. Inventory**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + productId (Foreign Key to Product.id)
  + stockLevel (Integer, Not Null)
  + reorderPoint (Integer, Not Null)

**5. Order**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + orderDate (Date, Not Null)
  + orderStatus (String, Not Null)

**6. OrderDetails**

* **Attributes**:
  + id (Primary Key, Auto-Increment, Integer)
  + orderId (Foreign Key to Order.id)
  + productId (Foreign Key to Product.id)
  + quantity (Integer, Not Null)

**7. ProductSuppliers**

* **Attributes**:
  + productId (Foreign Key to Product.id)
  + supplierId (Foreign Key to Supplier.id)

**Relationships**

1. **ProductCategory**
   * ProductCategory has many Products.
   * Product belongs to one ProductCategory.
2. **Supplier**
   * Supplier has many Products through ProductSuppliers.
   * Product has many Suppliers through ProductSuppliers.
3. **Product**
   * Product has one Inventory entry.
   * Product can have many OrderDetails.
4. **Inventory**
   * Inventory belongs to one Product.
5. **Order**
   * Order has many OrderDetails.
6. **OrderDetails**
   * OrderDetails belongs to one Order.
   * OrderDetails belongs to one Product.