

## 1. Standard & Custom Objects

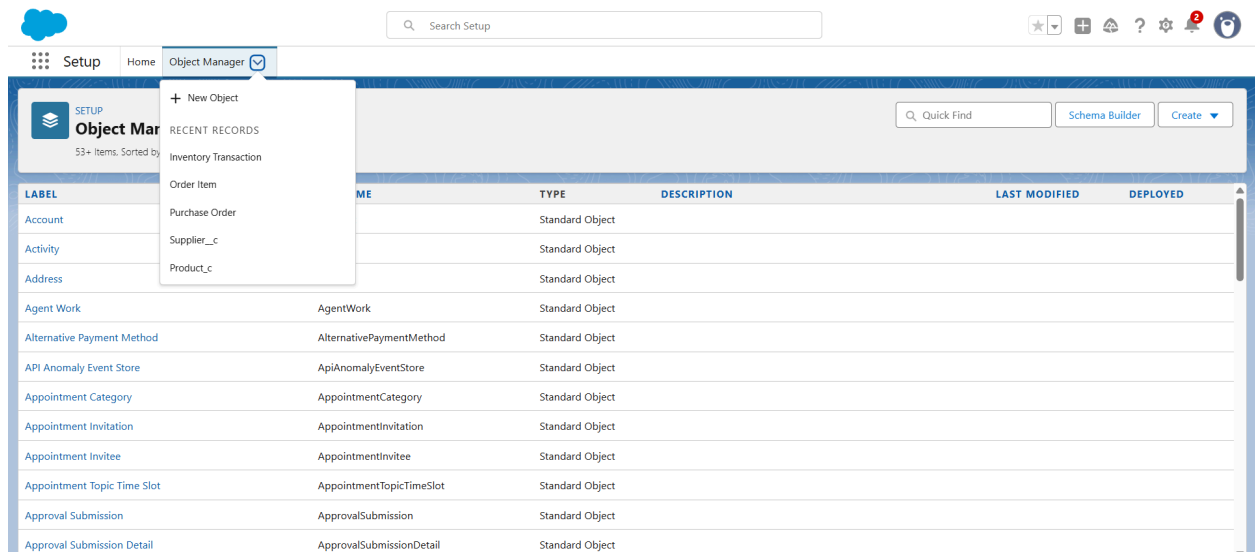
### Explanation:

Salesforce provides standard objects (like Account, Contact, User) and lets us create custom ones.

For this project, custom objects were built to represent real entities in a healthcare supply chain — products, suppliers, orders, and stock movements.

### Custom Objects Created:

Object Name	API Name	Description
Product	Product__c	Stores details of each medical product
Supplier	Supplier__c	Contains supplier details and contact info
Purchase Order	Purchase_Order__c	Records each supplier order
Order Item	Order_Item__c	Tracks each product line inside a purchase order
Inventory Transaction	Inventory_Transaction__c	Logs stock inflow and outflow



## 2. Fields

### Explanation:

Each object includes custom fields to capture unique business data.

### Example Fields:

**Product** → Product ID, Name, Category, Unit Price, Available Stock, Expiry Date

**Supplier** → Supplier ID, Contact Person, Email, Phone, Rating

**Purchase Order** → Order ID, Supplier Lookup, Order Date, Total Cost, Status

**Order Item** → Product Lookup, Quantity, Unit Price, Total Price (formula)

**Inventory Transaction** → Product Lookup, Transaction Type, Quantity, Date

The screenshot shows the Salesforce Setup interface for the 'Product\_c' object. The 'Fields & Relationships' section is active, displaying a table of 12 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Fields include Available Stock, Category, Created By, Expiry Date, Last Modified By, Minimum Stock Level, Owner, Product ID, and Product Name. The 'Product ID' and 'Product Name' fields are marked as indexed.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Available Stock	Available_Stock__c	Number(18, 0)		
Category	Category__c	Picklist		
Created By	CreatedById	Lookup(User)		
Expiry Date	Expiry_Date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Minimum Stock Level	Minimum_Stock_Level__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓
Product ID	Product_ID__c	Text(10)		
Product Name	Name	Text(80)		✓

The screenshot shows the Salesforce Setup interface for the 'Supplier\_c' object. The 'Fields & Relationships' section is active, displaying a table of 10 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Fields include Address, Contact Person, Created By, Email, Last Modified By, Owner, Phone, Rating, and Supplier ID. The 'Owner' field is marked as indexed.

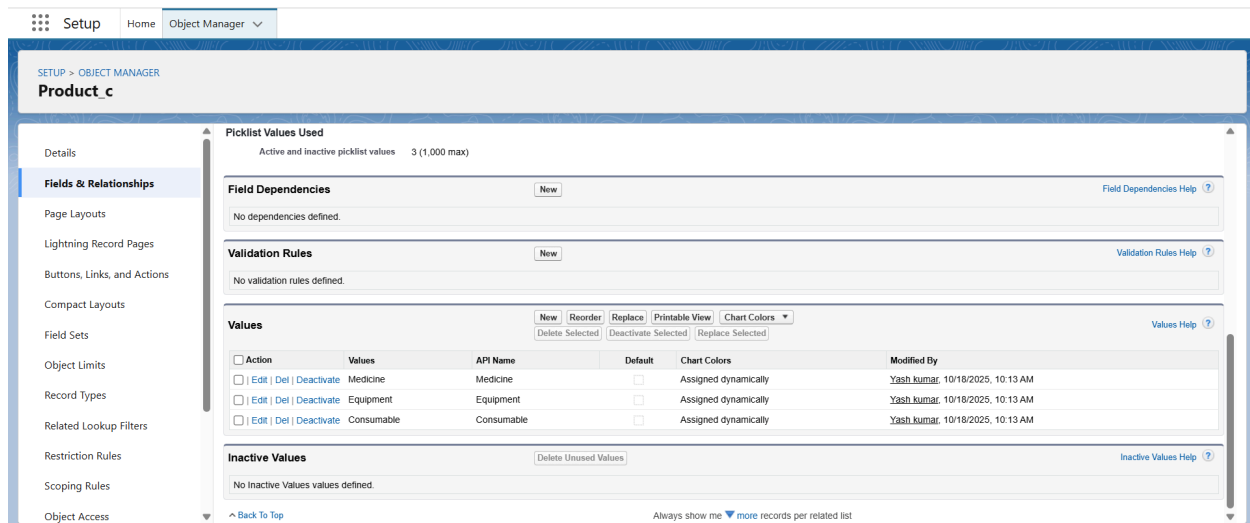
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text Area(255)		
Contact Person	Contact_Person__c	Text(50)		
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Rating	Rating__c	Picklist		
Supplier ID	Supplier_ID__c	Text(10)		

### 3. Record Types

#### Explanation:

Record Types allow different processes or picklists for the same object.  
For demonstration, two record types were made under Purchase Order:

- **Medicine Order**
- **Equipment Order**



### 4. Page Layouts

#### Explanation:

Page Layouts define how data fields appear on a record page for each user profile.  
Layouts were customized to show logical groupings:

Object	Sections Added
Product	Product Details, Stock Information, Supplier
Supplier	Company Details, Contact Info

## Order Details, Delivery Info, Financial Summary

## Product Details, Pricing

## Stock Movement, Reference

**Product\_c**

Details

Fields & Relationships

**Page Layouts**

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

**Fields**

Quick Find Field Name \*

Section	Created By	Owner	Supplier__c
Blank Space	Expiry Date	Product ID	Unit Price
Available Stock	Last Modified By	Product Name	
Category	Minimum Stock Level	Seller	

**Product\_c Detail**

Standard Buttons Edit Delete Clone Change Owner Change Record Type Printable View Sharing Sharing Hierarchy Edit Labels Custom Buttons

Information (Header visible on edit only)

- Product Name Sample Text
- Product ID Sample Text
- Category Sample Text
- Unit Price ₹123.45
- Minimum Stock Level 5,782
- Available Stock 63.089
- Expiry Date 10/19/2025
- Seller Sample Text
- Supplier\_\_c Sample Text

Owner Sample Text

System Information (Header visible on edit only)

Created By Sample Text Last Modified By Sample Text

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**Supplier\_\_c**

Details

Fields & Relationships

**Page Layouts**

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Save Quick Save Preview As... Cancel Undo Redo Layout Properties

**Fields**

Quick Find Field Name \*

Section	Created By	Phone
Blank Space	Email	Rating
Address	Last Modified By	Supplier ID
Contact Person	Owner	Supplier Name

**Supplier\_\_c Detail**

Standard Buttons Edit Delete Clone Change Owner Change Record Type Printable View Sharing Sharing Hierarchy Edit Labels Custom Buttons

Information (Header visible on edit only)

- Supplier Name Sample Text
- Supplier ID Sample Text
- Contact Person Sample Text
- Phone 1-415-555-1212
- Email sarah.sample@company.com
- Address Sample Text
- Rating Sample Text

Owner Sample Text

System Information (Header visible on edit only)

Created By Sample Text Last Modified By Sample Text

Custom Links (Header visible on edit only)

Mobile Cards (Salesforce mobile only)

The screenshot shows the Salesforce Setup interface for configuring the 'Purchase Order' object layout. The left sidebar lists various configuration options, with 'Page Layouts' selected. The main area displays the 'Purchase Order' layout configuration. A 'Layout Properties' window is open, showing a list of fields and their layout properties. The fields are organized into sections: 'Section' (Expected Delivery Date, Owner, Supplier), 'Blank Space' (Last Modified By, Purchase Order, Total Order Cost), and 'Section' (Actual Delivery Date, Order Date, Remarks, Created By, Order ID, Status). The layout configuration area shows the 'Purchase Order' layout with fields like 'Order ID', 'Supplier', 'Order Date', 'Expected Delivery Date', 'Actual Delivery Date', 'Total Order Cost', 'Status', and 'Remarks'. The 'System Information' section shows 'Created By' and 'Last Modified By' fields.

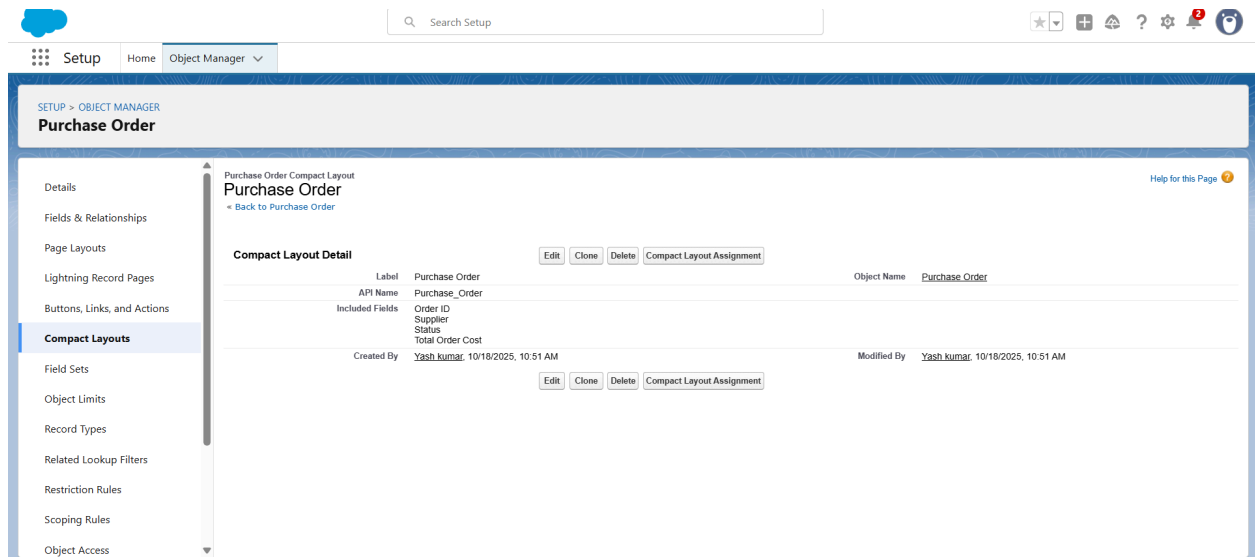
## 5. Compact Layouts

### Explanation:

Compact Layouts show quick summary fields on record headers for mobile/desktop.

Example: For Product — Product Name, Category, Available Stock, Unit Price.

The screenshot shows the Salesforce Setup interface for configuring the 'Product' object compact layout. The left sidebar lists various configuration options, with 'Compact Layouts' selected. The main area displays the 'Product' compact layout configuration. The 'Compact Layout Detail' section shows the layout configuration for the 'Product' object. The layout includes fields like 'Product Name', 'Available Stock', 'Product Name', 'Category', and 'Unit Price'. The 'System Information' section shows 'Created By' and 'Modified By' fields. The 'Compact Layout Assignment' section shows the layout assignment for the 'Product' object.



## 6. Schema Builder

### Explanation:

The Schema Builder visually maps relationships between all objects. It clearly displays Lookup and Master-Detail connections among Products, Suppliers, Orders, and Transactions.

## 7. Lookup vs Master-Detail Relationships

### Explanation:

Relationships link objects so data flows logically:

Relationship	Parent → Child	Type	Reason
Supplier → Purchase Order	Lookup		A supplier can have many orders

Purchase Order → Order Item	Master-Detail	Order Item exists only within an Order
Product → Order Item	Lookup	A product can belong to multiple orders
Product → Inventory Transaction	Lookup	Stock changes recorded for each product

## 8. Junction Objects

### Explanation:

The Order Item acts as a **Junction Object** between Product and Purchase Order, enabling a many-to-many relationship.

This design lets multiple products belong to one order, and the same product appear across several orders.