# **1. Standard & Custom Objects**

In this project, we use both **standard** (already provided by Salesforce) and **custom objects** (created for our groundnut oil business).

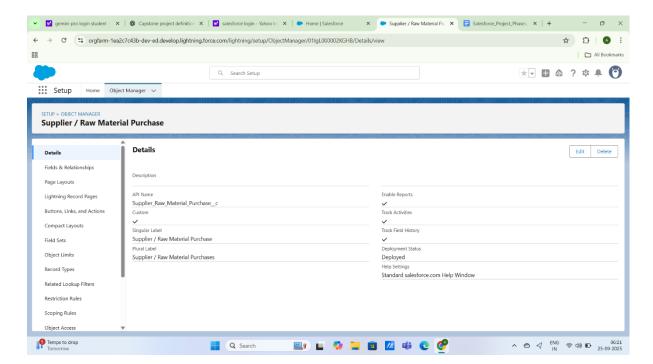
### **Standard Objects Used:**

- **User** → Represents system users (Owner, Supervisor, Worker, Sales Clerk).
- Account/Contact (optional) → Can be used if we need customer hierarchy.

#### **Custom Objects Created:**

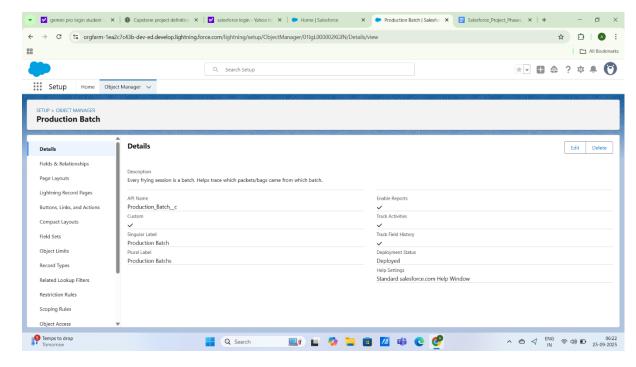
#### 1. Supplier / Raw Material Purchase

o To track groundnut sourcing (quantity, cost, supplier details).



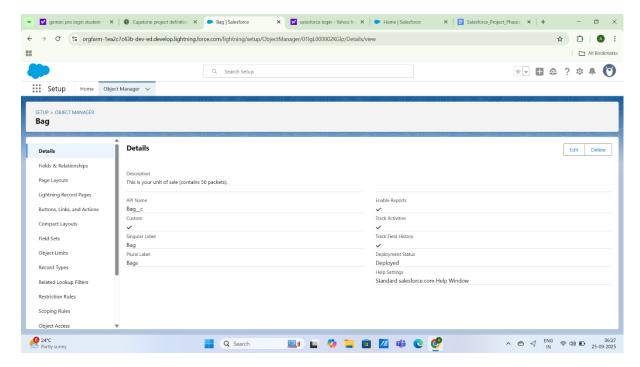
#### 2. Production Batch

 Each frying session is a batch. Helps trace which packets/bags came from which batch.



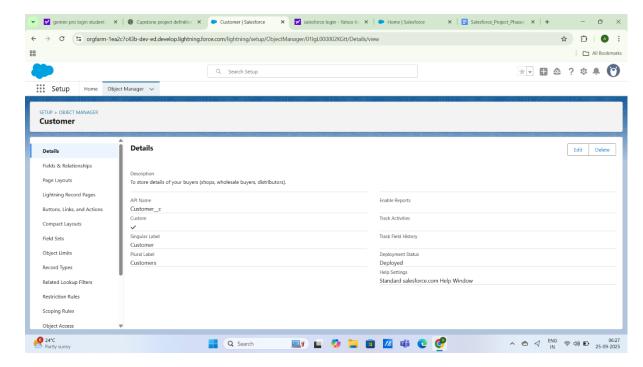
#### 3. **Bag**

o Represents the unit of sale (contains 50 packets).



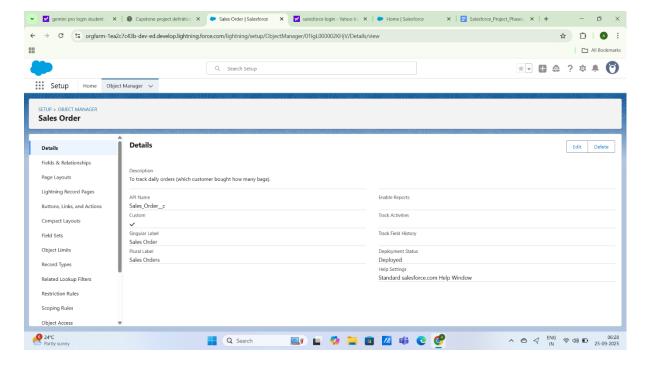
#### 4. Customer

o Stores details of buyers (shops, wholesale buyers, distributors).



#### 5. Sales Order

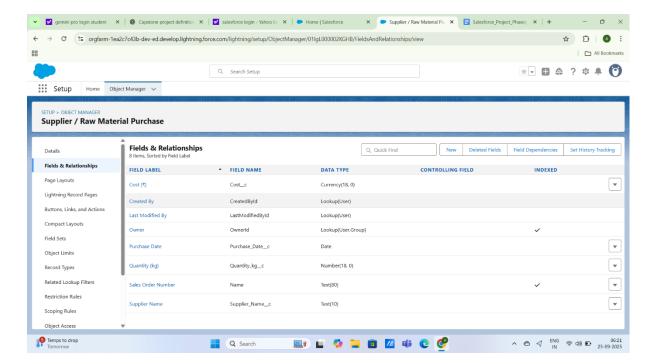
To track daily sales orders placed by customers.



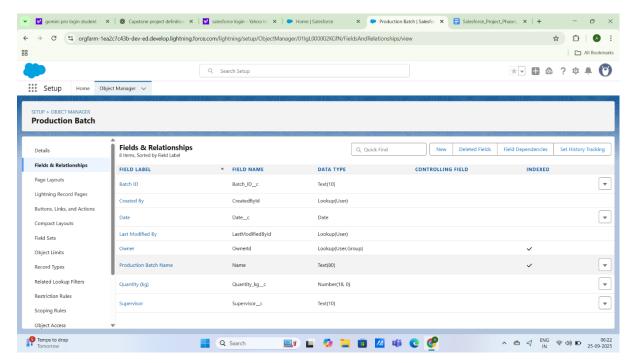
#### 2. Fields

Each custom object has specific fields:

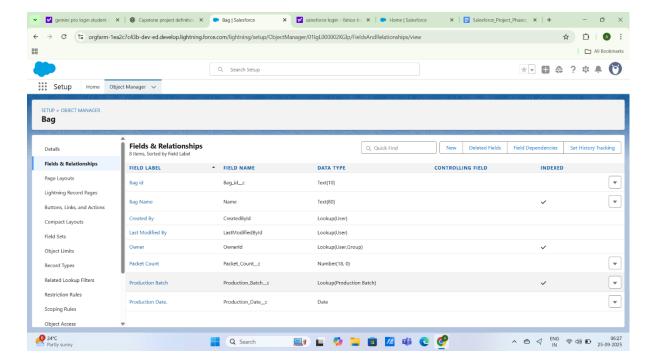
Supplier → Supplier Name, Purchase Date, Quantity, Cost, Sales Order Number.



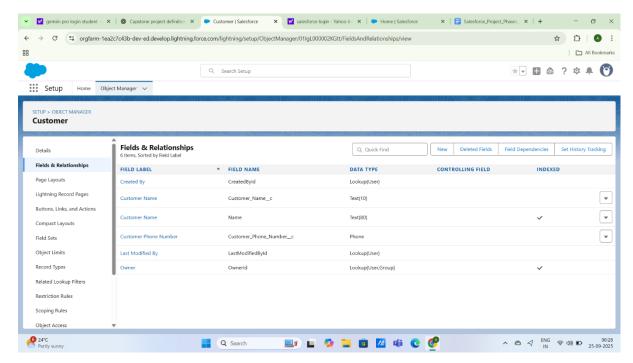
• **Production Batch** → Batch ID, Production Date, Quantity, Supervisor.



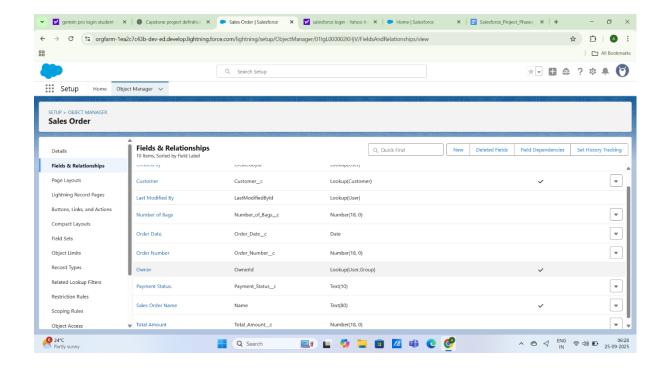
Bag → Bag ID, Packet Count, Batch (Lookup), Production Date.



• **Customer** → Customer Name, Contact Person.



 Sales Order → Order Number, Customer (Lookup), Order Date, Number of Bags, Total Amount, Payment Status.



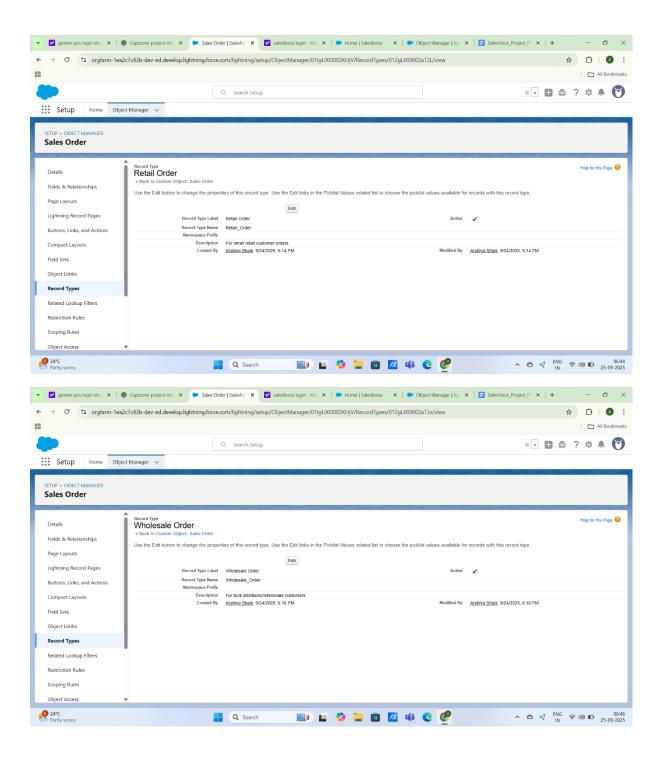
# 3. Record Types

Why? To manage different kinds of records in the same object.

## **Example in this project:**

- Sales Order Object →
  - o Record Type 1: Retail Sales Order (small orders, direct customers).
  - o Record Type 2: Wholesale Sales Order (large orders from distributors).

Each record type can have its own page layout.

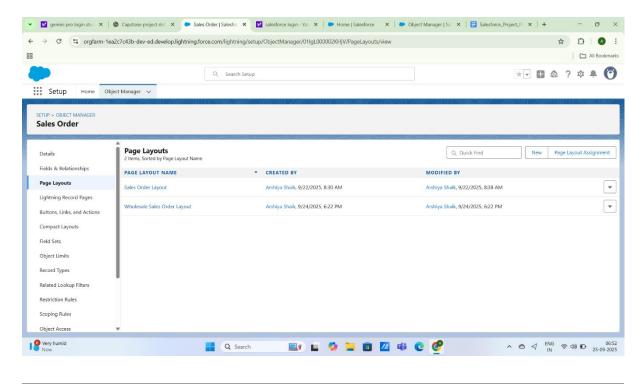


# **4. Page Layouts**

Page Layouts control what fields, related lists, and sections appear on the record page.

#### **Example:**

 Retail Sales Order Layout → Show fields like Order Number, Customer, Order Date, Payment Status.  Wholesale Sales Order Layout → Add fields like Discount %, Delivery Date, Special Notes.

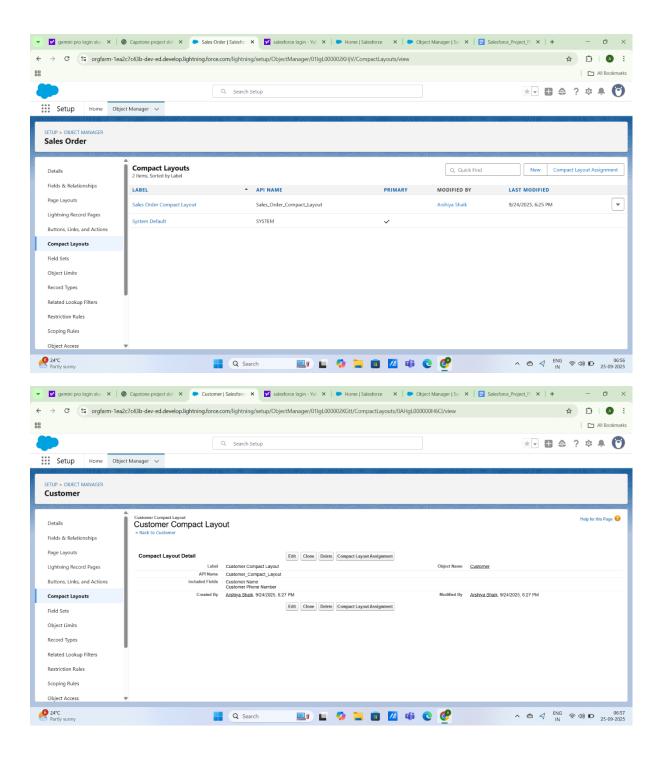


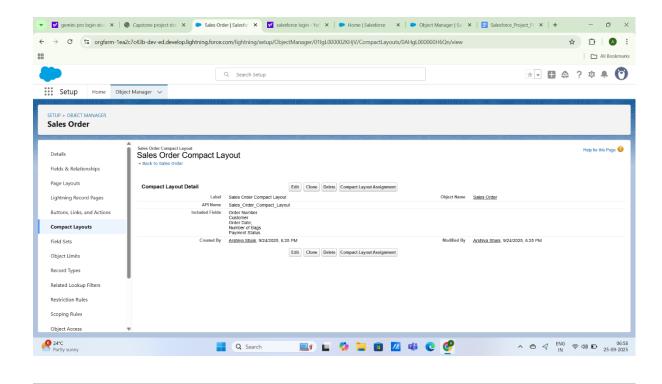
# **5.** Compact Layouts

**Compact Layouts** are used in the **Highlights Panel** (top of record page).

### **Example:**

- Sales Order Compact Layout → Order Number, Customer, Order Date, Number of Bags, Payment Status.
- Customer Compact Layout → Customer Name, Phone, Address.

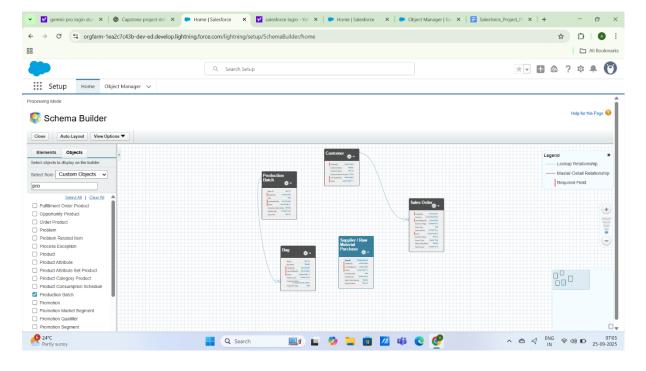




### • 6. Schema Builder

Schema Builder provides a **visual diagram** of all objects and their relationships.

- Shows Production Batch linked with Bag.
- Shows Sales Order linked with Customer.
- Shows BatchSupplier junction object linking Supplier → Production Batch.



## 7. Relationships

There are 3 main relationship types in Salesforce:

### 1. Lookup Relationship

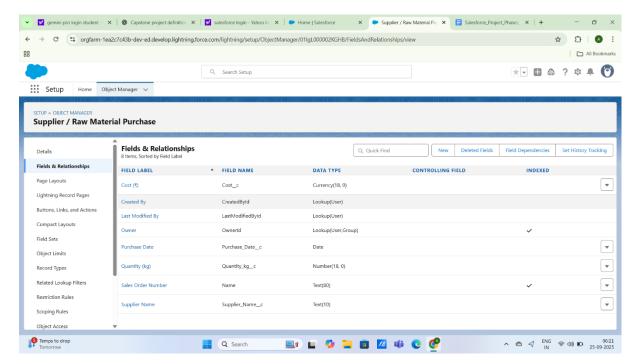
- A loose link, records are independent.
- Example: Sales Order → Customer.

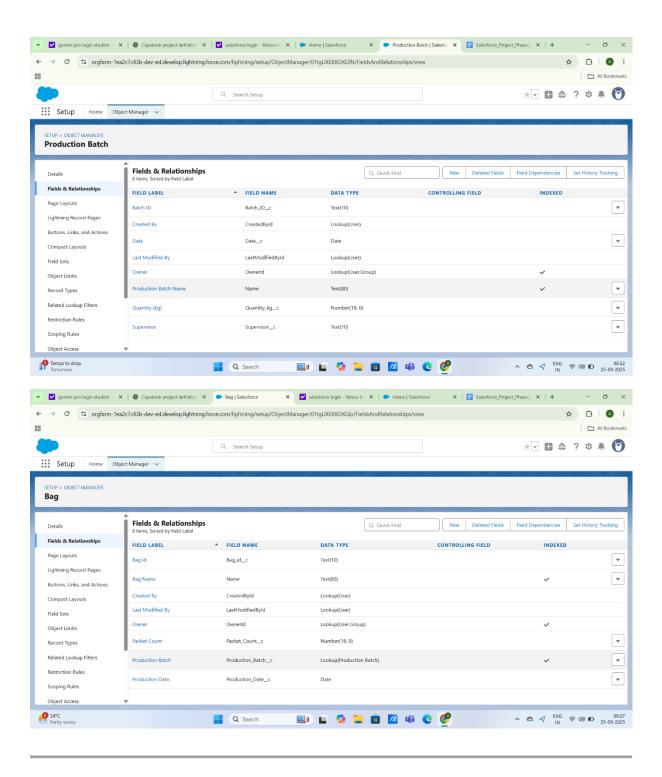
## 2. Master-Detail Relationship

- o Strong dependency, child cannot exist without parent.
- Example: Bag → Production Batch.

### 3. Hierarchical Relationship

- Special lookup only available for the User object.
- o Example: Supervisor managing Worker.





# 8. Junction Objects

Junction Objects are used for many-to-many relationships.

#### **Example in this project:**

- One Supplier can provide raw material for many Production Batches.
- One Production Batch can use raw material from many Suppliers.
- ✓ Solution → Create a junction object: **BatchSupplier**.

• Fields: Lookup to Production Batch, Lookup to Supplier.

# 9. External Objects

**External Objects** represent data stored outside Salesforce (via Salesforce Connect).

- Example: If raw material invoices are stored in an ERP system or Google Sheets, they can be linked to Salesforce as **External Objects**.
- Data is not stored inside Salesforce but displayed as if it's native.