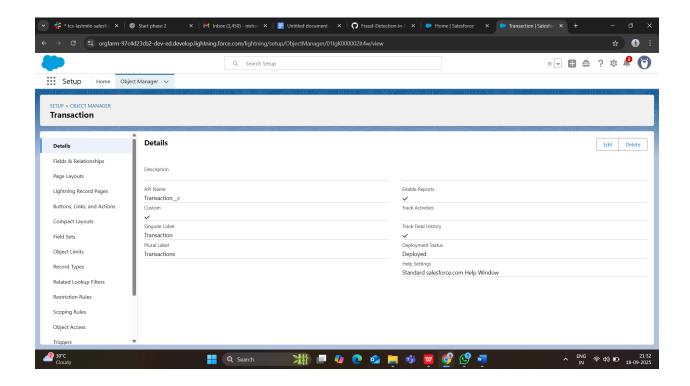
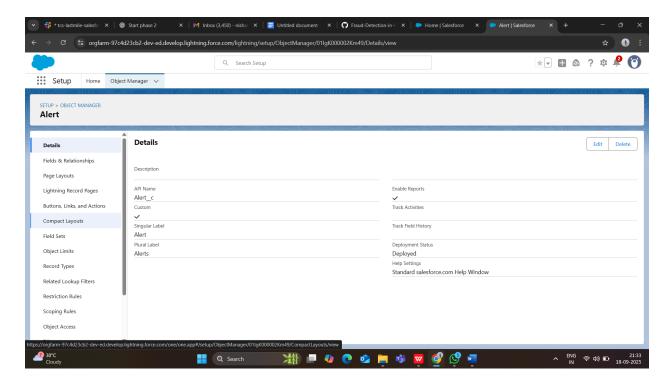
Phase 3: Data Modeling & Relationships

1. Standard & Custom Objects

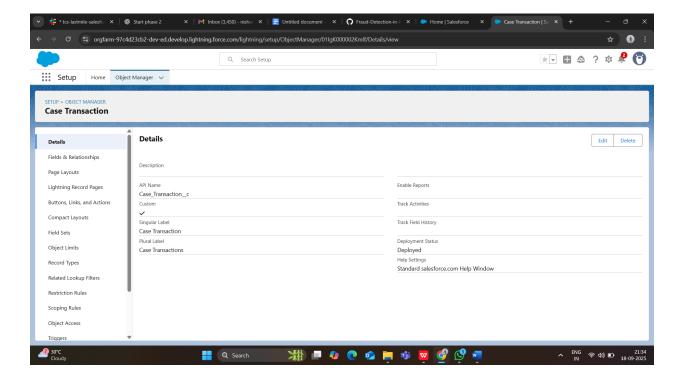
- Standard:
 - Account (represents customer or business)
 - Contact (customer representatives).
- Custom:
 - Transaction (each financial activity).



Alert (potential fraud case).

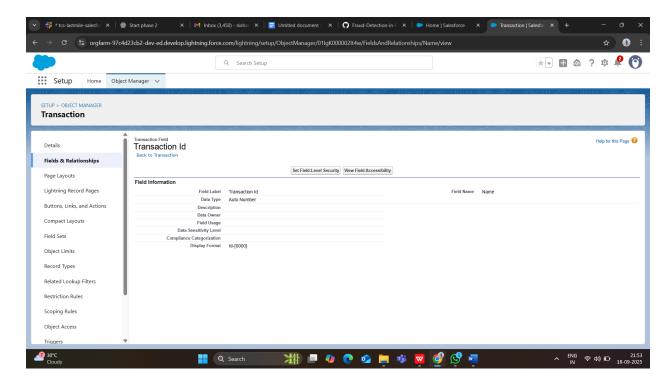


Case Transaction (junction between Case & Transaction if needed).

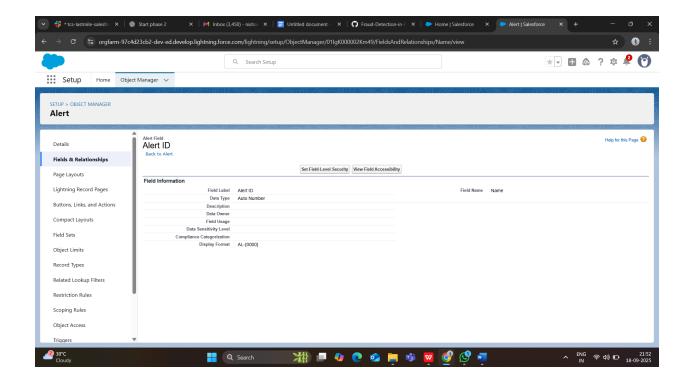


2. Fields

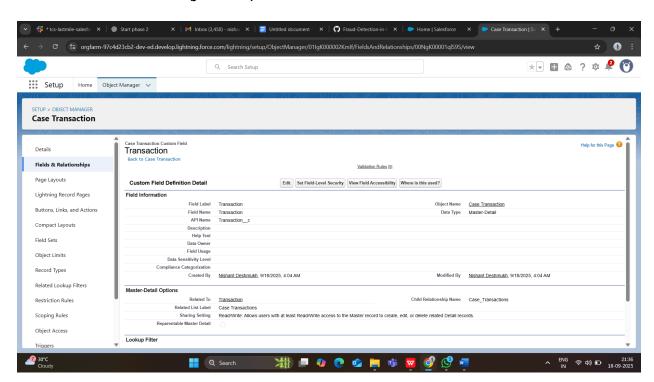
• **Transaction:** Amount, Date, Location, Channel (ATM, Online, POS), Status (Approved/Declined).



• Alert: Risk Score, Alert Type (Suspicious Login, Unusual Transaction), Alert Status (Open, Investigating, Closed).



• Case Transaction (junction): Links Case with one or more Transactions.

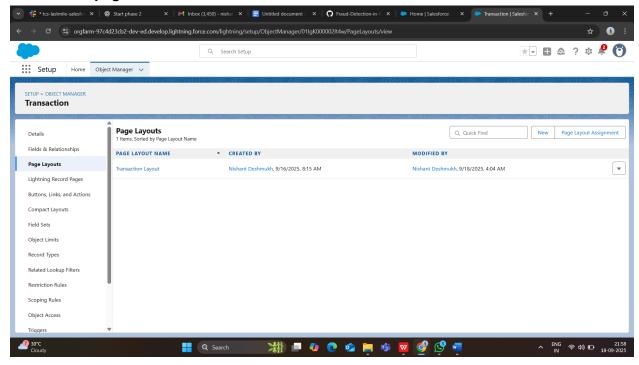


3. Record Types

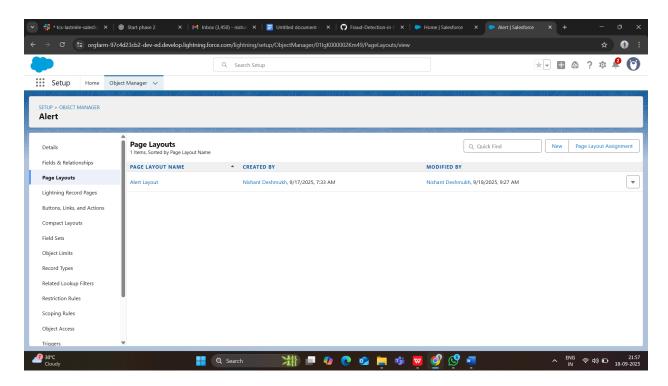
- **Transaction** → "Domestic Transaction" vs "International Transaction."
- Alert → "High Risk" vs "Medium Risk" vs "Low Risk."

4. Page Layouts

• Transaction page → shows related customer, alerts, and cases.



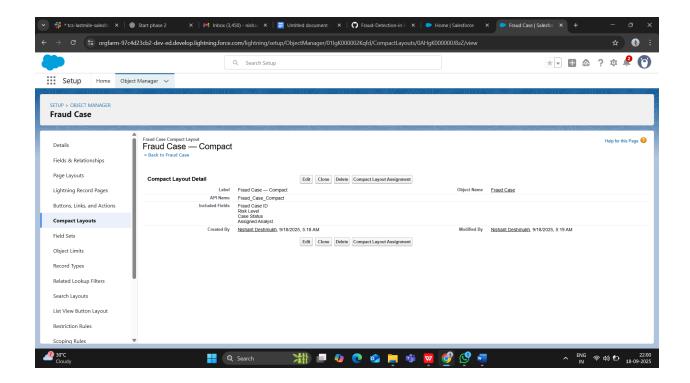
Alert page → shows related transactions and assigned fraud analyst.



• Case page → shows linked alerts and transactions.

5. Compact Layouts

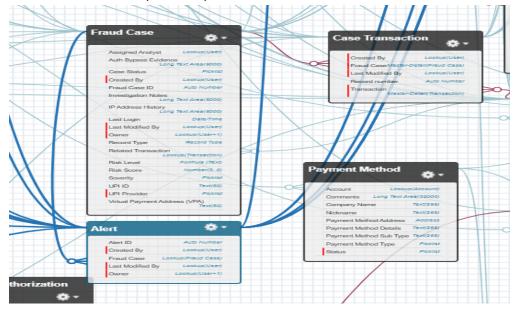
- Mobile (Transaction): Amount, Date, Status.
- Mobile (Alert): Alert Type, Risk Score, Status.



6. Schema Builder

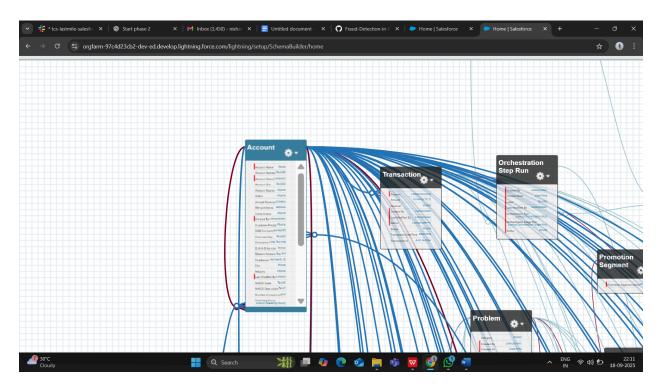
- Use **Schema Builder** to visually design:
 - Account → Transaction (Lookup).
 - Transaction → Alert (Lookup).

Case ← Transaction (Junction).



7. Lookup vs Master-Detail vs Hierarchical

• **Account** ↔ **Transaction** → **Lookup** (transactions don't own accounts, but reference them).



•	Transaction ↔ Alert → Lookup (one transaction may trigger multiple alerts).

8. Junction Objects

- Case Transaction:
 - Used when one Case contains multiple suspicious Transactions.
 - o Enables many-to-many relationship.

9. External Objects

• If fraud detection system integrates with external banking/credit systems, use External Objects (via Salesforce Connect) to bring in real-time transaction logs, blacklist databases, or KYC data without storing them directly in Salesforce.