**Phase 3 – Data Modeling & Relationships (Step-by-Step Implementation)**

# Objects Overview

I have create three main custom objects:

• Task – Represents the task or request created by the user (e.g., draft request).

• AI Suggestion – Stores AI-generated suggestions for a task.

• Feedback – Captures the user’s feedback on the AI suggestion.

# Concepts Covered in Phase 3

• Standard & Custom Objects

• Fields

• Record Types

• Page Layouts

• Compact Layouts

• Schema Builder

• Lookup vs Master-Detail vs Hierarchical Relationships

• Junction Objects

• External Objects

# Step 3.1 – Create the “Task” Object

Purpose: Store task requests where users provide descriptions that AI will process.

Steps:  
Go to Setup → Object Manager → Create → Custom Object  
Enter:

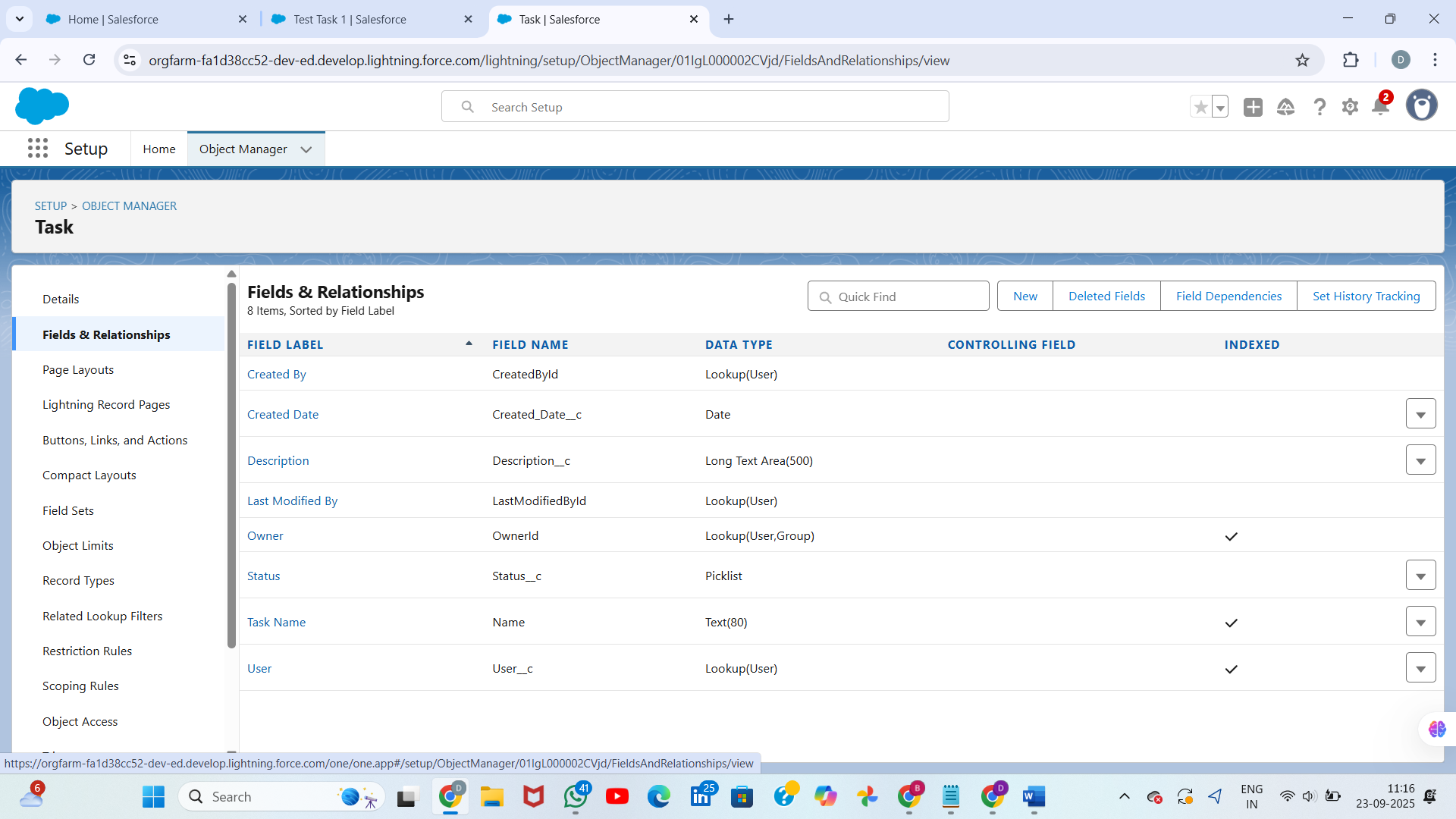
Label = Task  
Plural Label = Tasks  
Object Name = Task  
Record Name = Task Name (Auto Number or Text)  
Check “Allow Reports”, “Track Activities”  
Save.

## 

## Fields for Task Object

|  |  |  |  |
| --- | --- | --- | --- |
| Field Label | Field Name | Data Type | Description |
| Task Name | Task\_Name | Text | The title or name of the task |
| Description | Description | Long Text Area (500) | Details of the task for AI to analyze |
| Status | Status | Picklist | Track task’s stage – options: New, In Progress, Completed |
| Assigned User | Assigned\_User | Lookup(User) | Links task to the agent handling it |
| Created Date | CreatedDate | Auto-Number/Standard | Automatically tracks when the task is created |
| Last Modified Date | LastModifiedDate | Auto-Number/Standard | Automatically updates when task is edited |

Steps to Create Fields:  
Inside the Task object → click Fields & Relationships → New  
Select the appropriate data type  
Enter the field label and field name  
Set field-level security if needed (visible for agents/admins)  
Add the field to the page layout

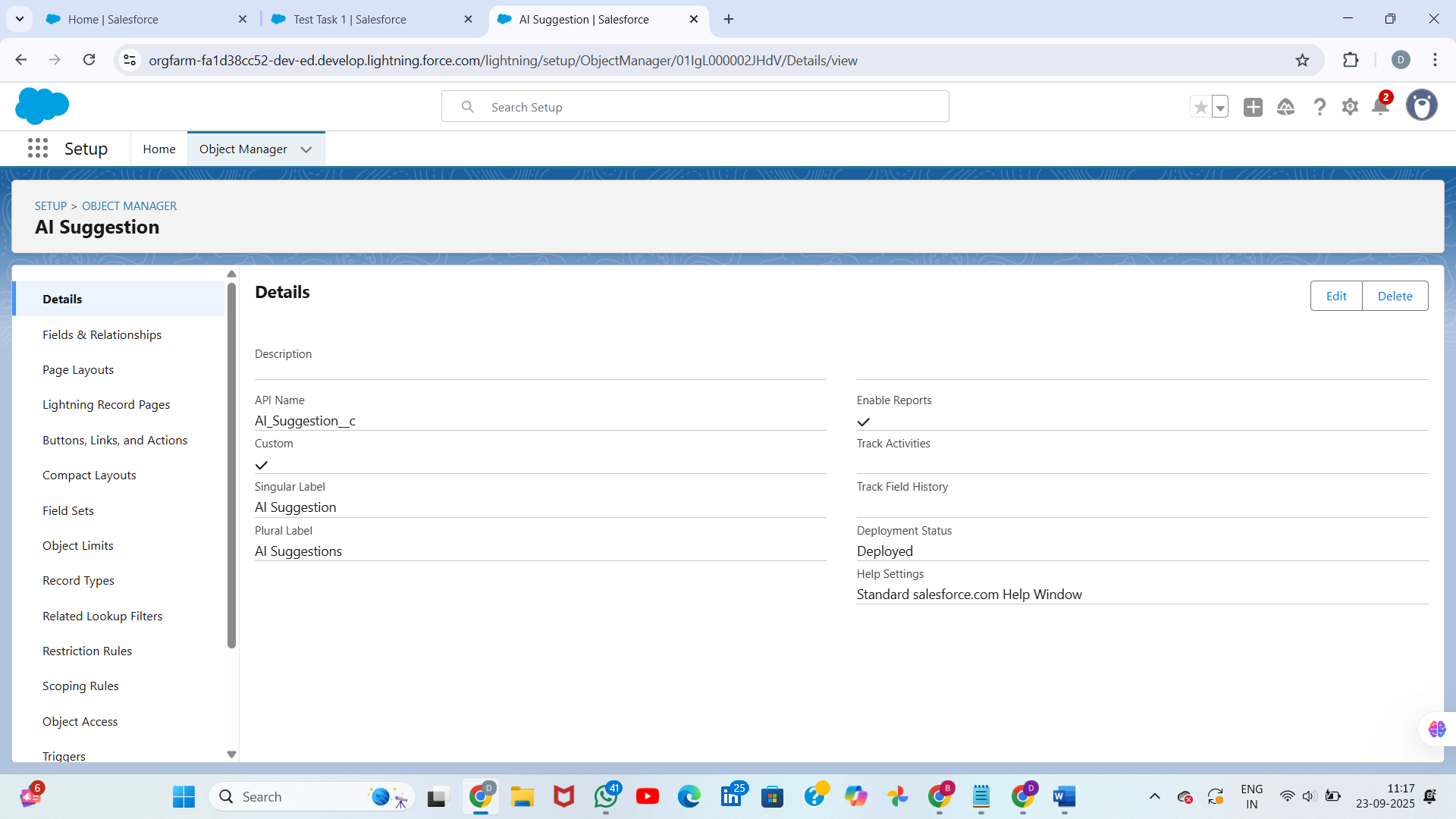


# Step 3.2 – Create the “AI Suggestion” Object

Purpose: Store AI-generated suggestions for each task.

Steps:  
Go to Setup → Object Manager → Create → Custom Object  
Enter:

Label = AI Suggestion  
Plural Label = AI Suggestions  
Object Name = AI\_Suggestion  
Record Name = Suggestion ID (Auto Number or Text)  
Check “Allow Reports”  
Save.



## Fields for AI Suggestion Object

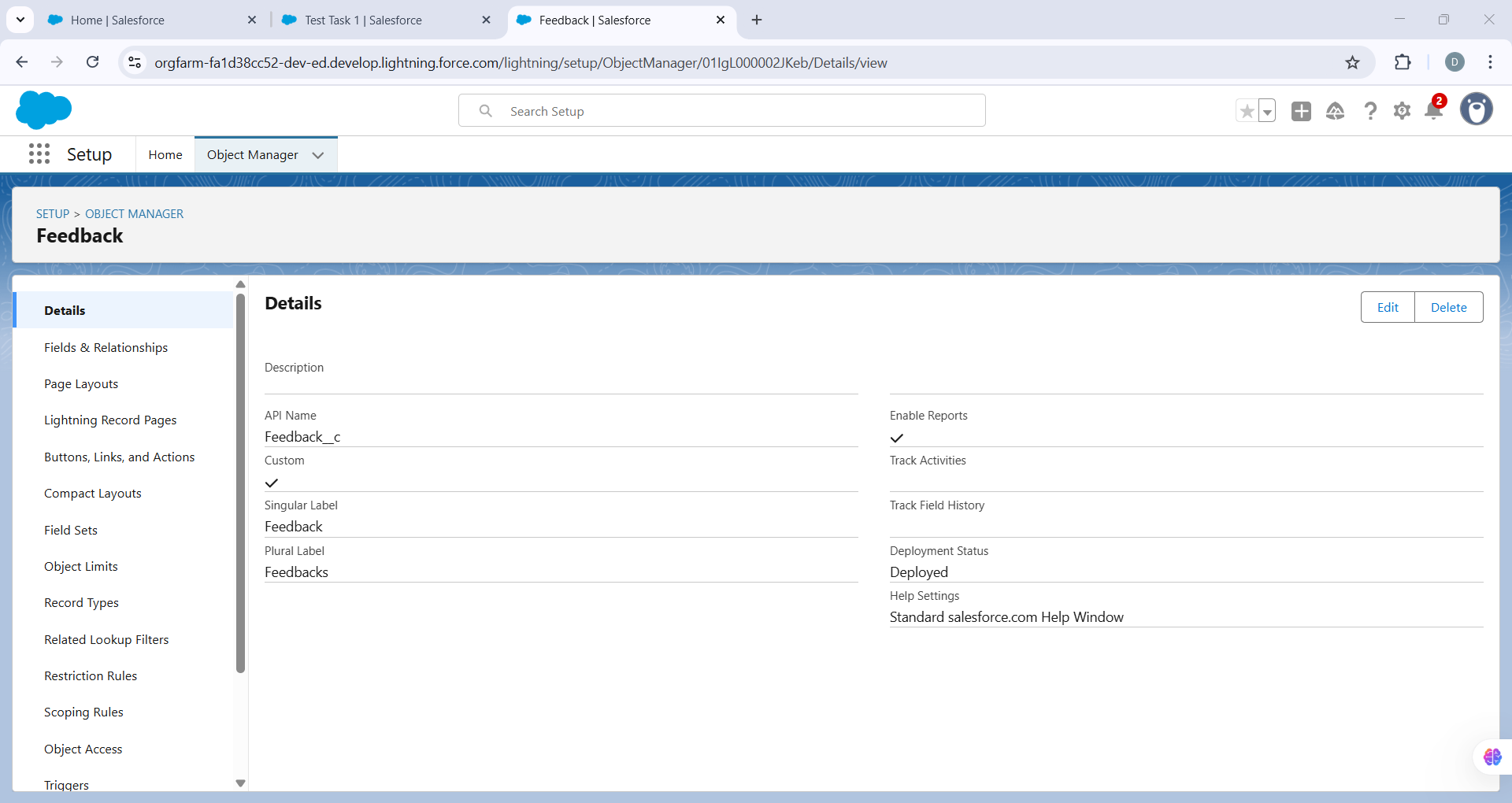
|  |  |  |  |
| --- | --- | --- | --- |
| Field Label | Field Name | Data Type | Description |
| Suggested Text | Suggested\_Text | Long Text Area (1000) | The AI’s recommended content |
| Confidence Score | Confidence\_Score | Percent (3, 2) | AI’s confidence in suggestion accuracy |
| Related Task | Related\_Task | Lookup(Task) | Connects this suggestion to a specific task |
| Created Date | CreatedDate | Auto-Number/Standard | Timestamp when suggestion is created |
| Last Modified Date | LastModifiedDate | Auto-Number/Standard | Timestamp when edited |

# Step 3.3 – Create the “Feedback” Object

Purpose: Track user approval, rejection, and comments regarding each AI suggestion.

Steps:  
Go to Setup → Object Manager → Create → Custom Object  
Enter:

Label = Feedback  
Plural Label = Feedbacks  
Object Name = Feedback  
Record Name = Feedback ID (Auto Number or Text)  
Check “Allow Reports”  
Save.

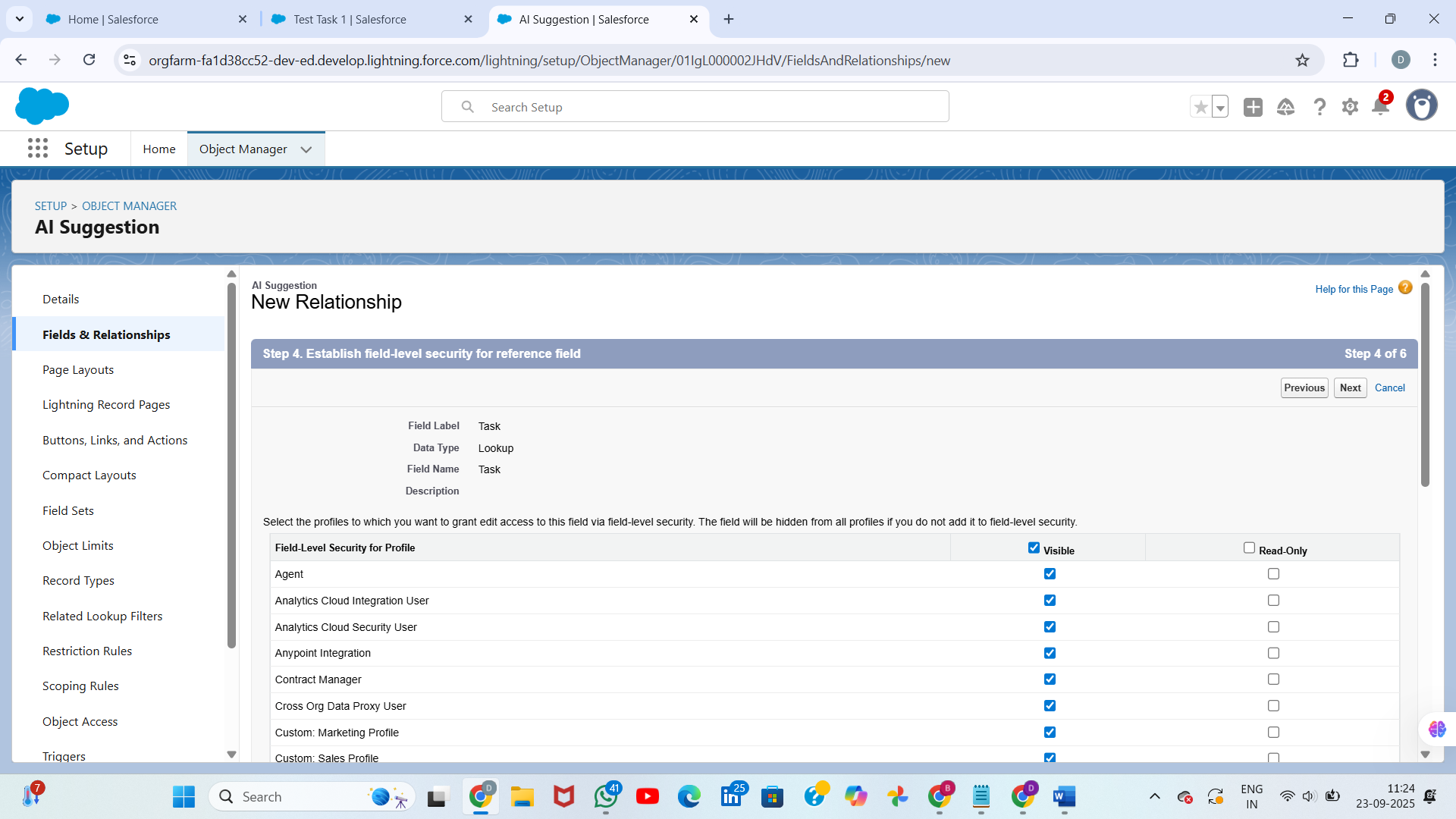


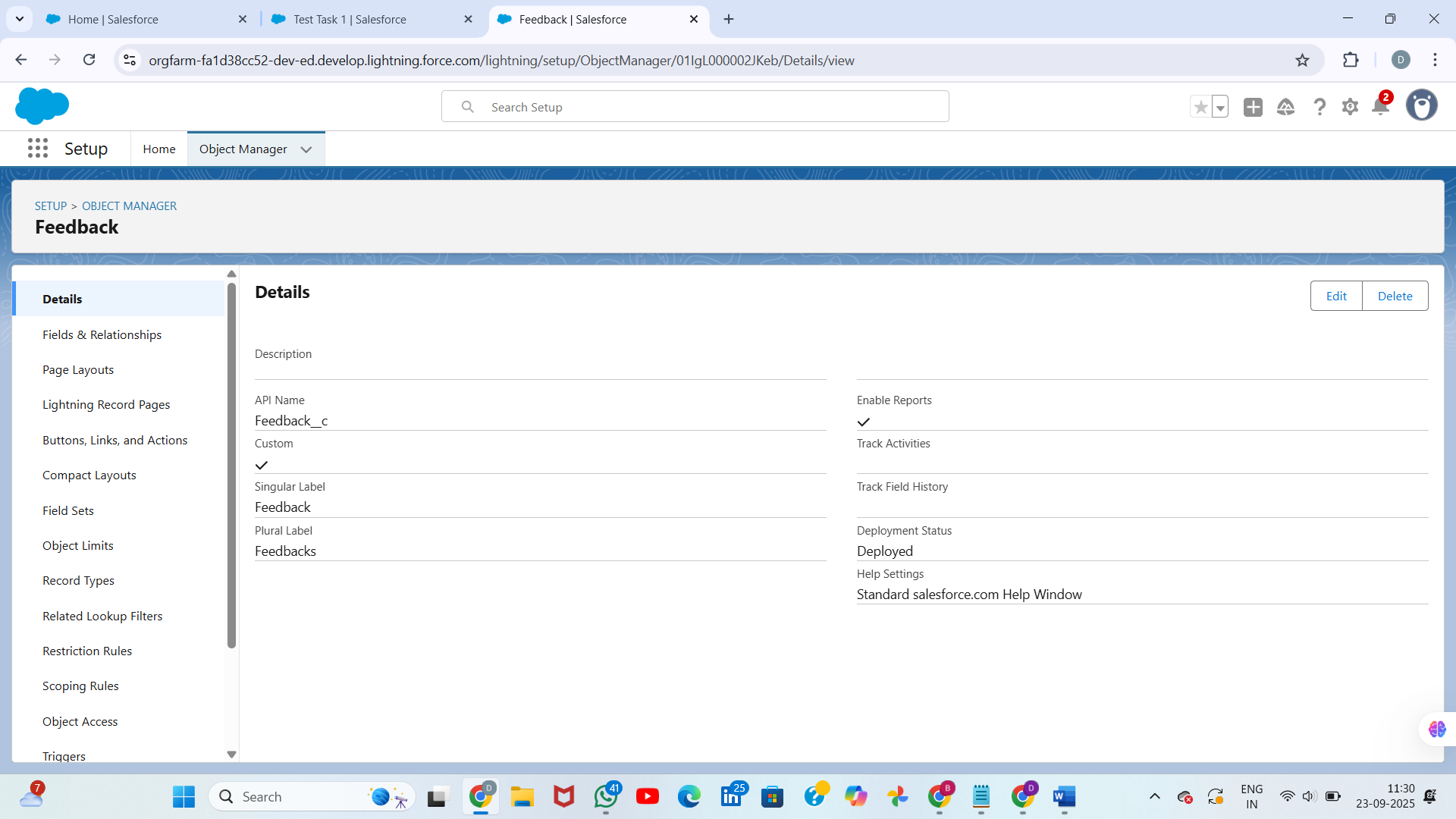
## Fields for Feedback Object

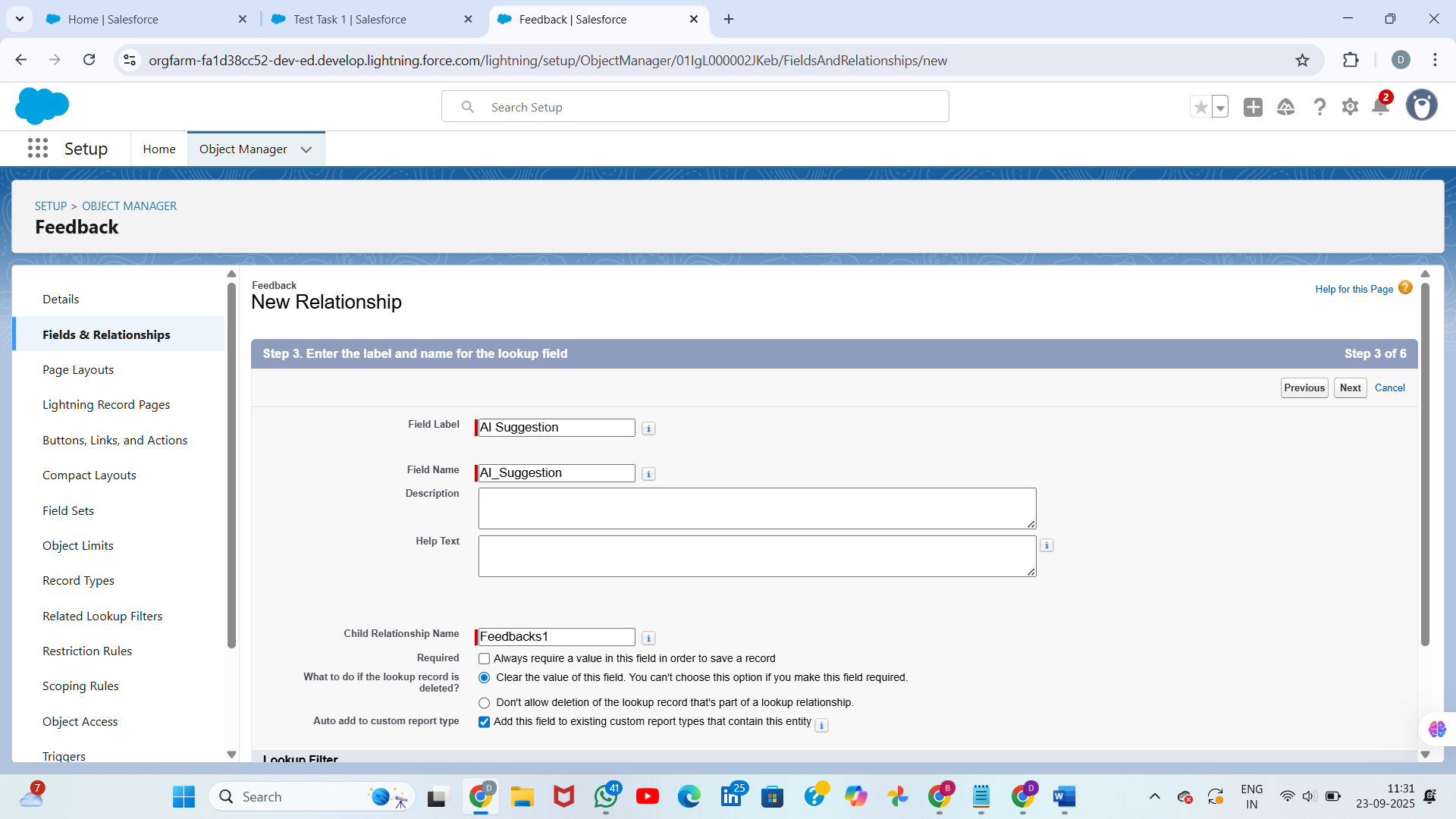
|  |  |  |  |
| --- | --- | --- | --- |
| Field Label | Field Name | Data Type | Description |
| Approved | Approved | Checkbox | Indicates if suggestion was accepted |
| Comments | Comments | Long Text Area (500) | Additional remarks from user |
| Related Suggestion | Related\_Suggestion | Lookup(AI Suggestion) | Connects feedback to the suggestion |
| Created Date | CreatedDate | Auto-Number/Standard | Automatically set when feedback is created |
| Last Modified Date | LastModifiedDate | Auto-Number/Standard | Updates when feedback is edited |

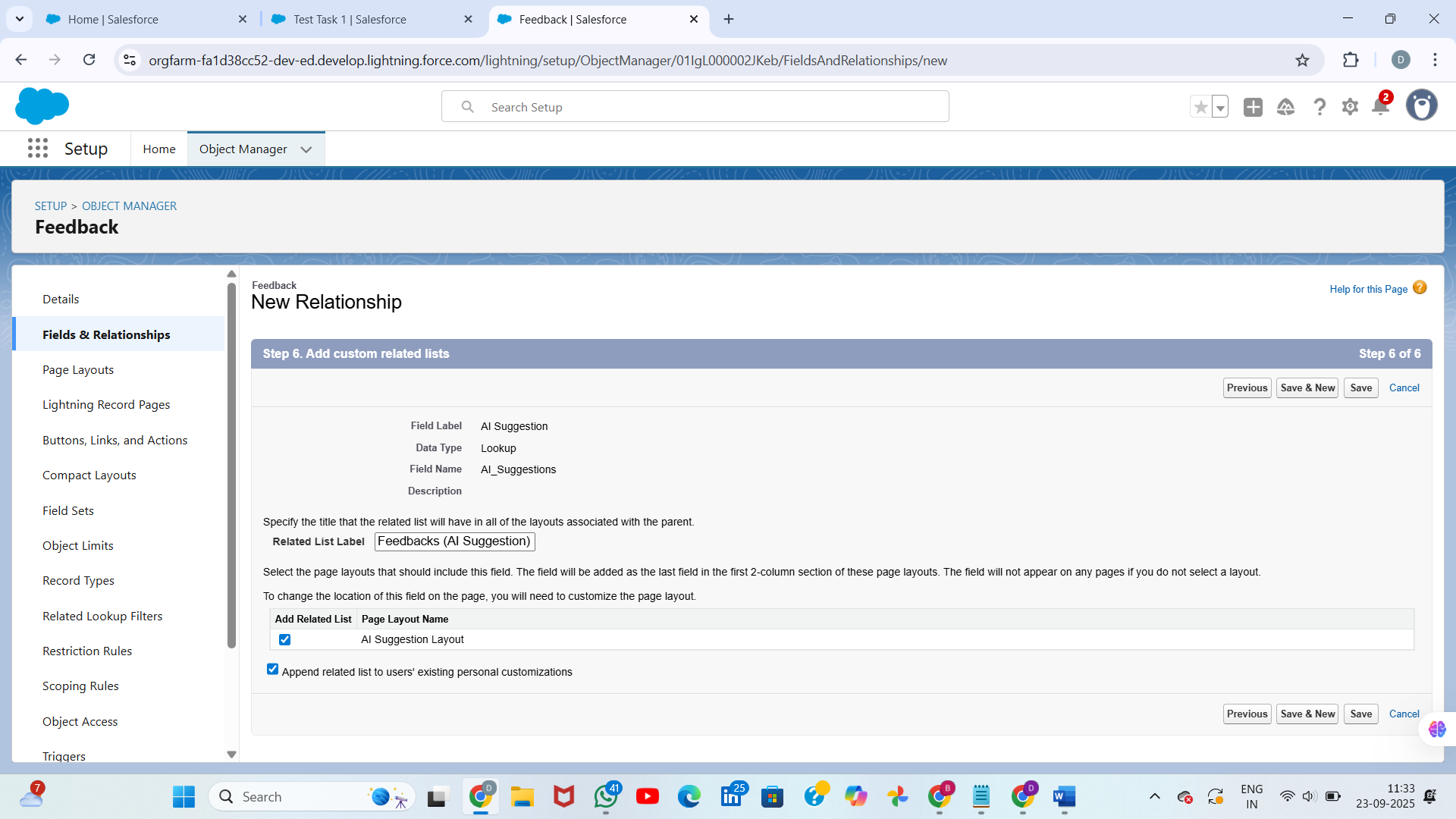
# Step 3.4 – Define Relationships

Task → AI Suggestion (1-to-many)  
Each task can have multiple suggestions  
Create lookup field → Related Task in AI Suggestion



AI Suggestion → Feedback (1-to-many)  
Each suggestion can have multiple feedback entries  
Create lookup field → Related Suggestion in Feedback  






# Step 3.7 – Test the Data Model

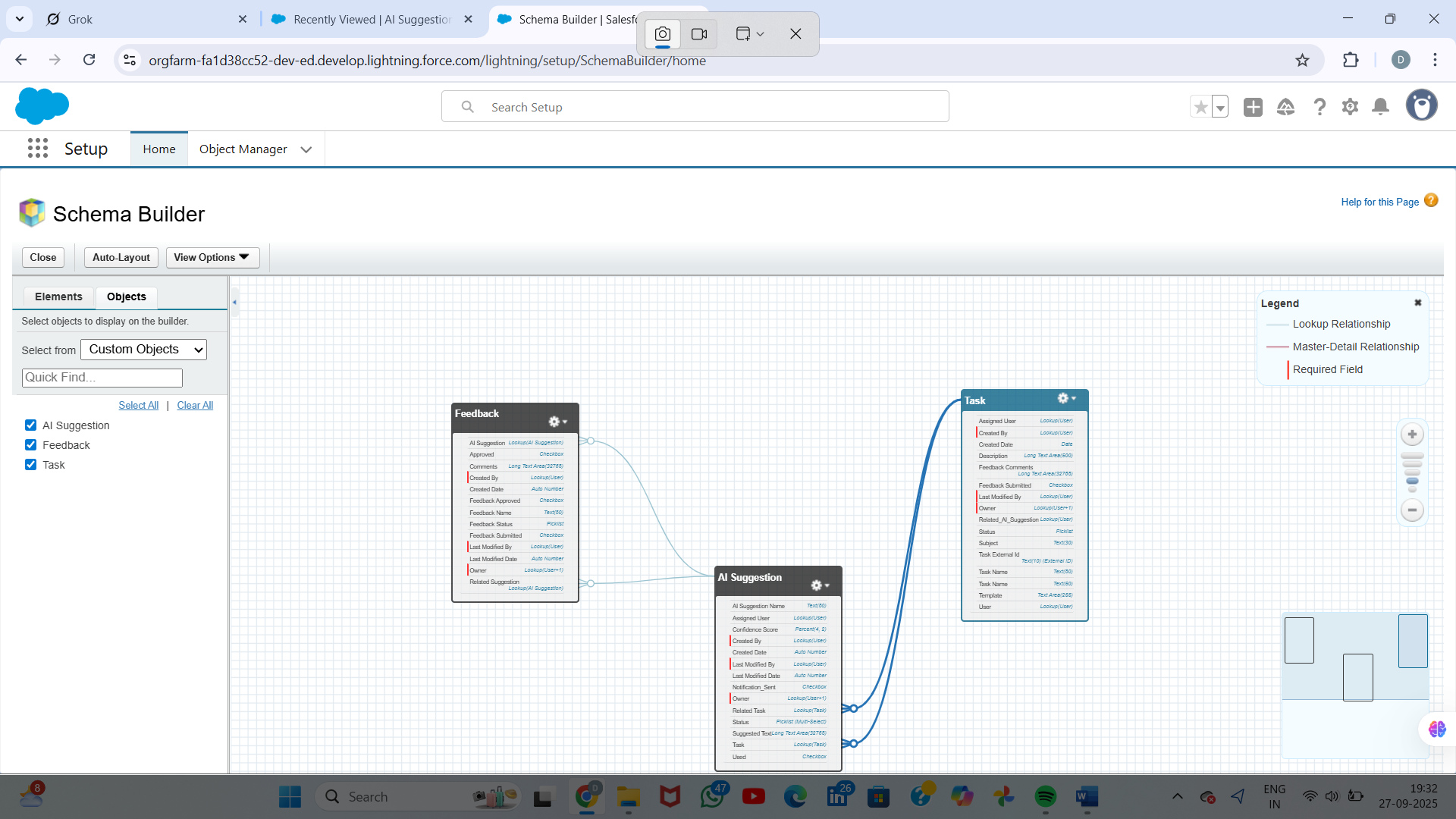
Create a sample Task  
Create a linked AI Suggestion for that task  
Create feedback connected to that suggestion  
Validate data flows correctly

**3.8. Schema Builder in Salesforce**

Schema Builder is a visual tool in Salesforce where you can create, view, and modify objects & relationships.

Navigate: Setup → Schema Builder

(search "Schema Builder" in Quick Find).

we’ll see all your objects (Standard & Custom) with fields and relationships visually connected.  
  


## 3.9 Relationships in Salesforce

**(a) Lookup Relationship**

**Definition:** Loose relationship between two objects. One record can be linked but not tightly dependent.

### Example for project:

A Task may have a Lookup to AI Suggestion object.

(Task can exist even if the AI Suggestion is deleted).

### Steps in Schema Builder / Object Manager:

- Go to Object Manager → Your Object → Fields & Relationships → New.

- Choose Lookup Relationship.

- Select the related object.

- Save and add to page layout.