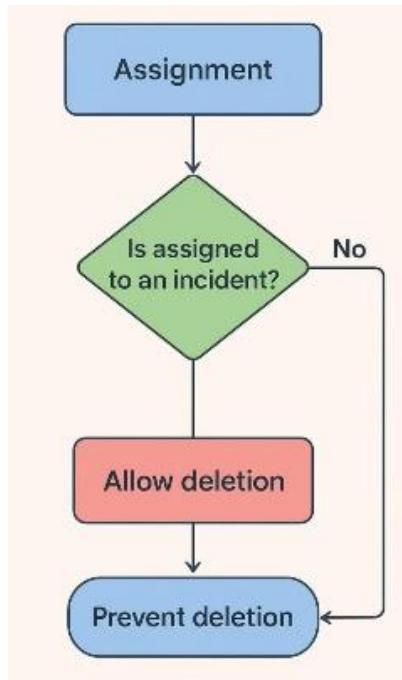


# Project Design Phase

## Solution Architecture

Date	02 November 2025
Team ID	NM2025TMID02364
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

**Solution Architecture:**



## Overview:

The FoodConnect application leverages Salesforce's **Platform as a Service (PaaS)** model, using its declarative tools to create a scalable and maintainable solution. The architecture integrates multiple custom objects with defined relationships, automation, and security configurations to ensure smooth operations.

## Architecture Components:

<b>Component</b>	<b>Description</b>
Objects	Venue, Drop-Off Point, Volunteer, Task, Execution Details.
Relationships	Lookup and Master-Detail relationships between the above objects for structured data linking.
Automation	Flow to create Venue records, Triggers for backend logic, Reports for analytics
User Management	Profiles (NGO Profile), Users (e.g., Iksha Foundation), Public Groups for role-based sharing

Sharing Rules	Defined based on distance criteria to grant access to specific NGOs
Reports and Dashboards	Used to visualize and monitor the performance of NGOs and volunteers
Lightning App	Unified interface (FoodConnect App) for managing all activities in one place
Security	Controlled access through profiles and public groups, ensuring data privacy and hierarchy-based sharing