

PROJECT DESIGN PHASE

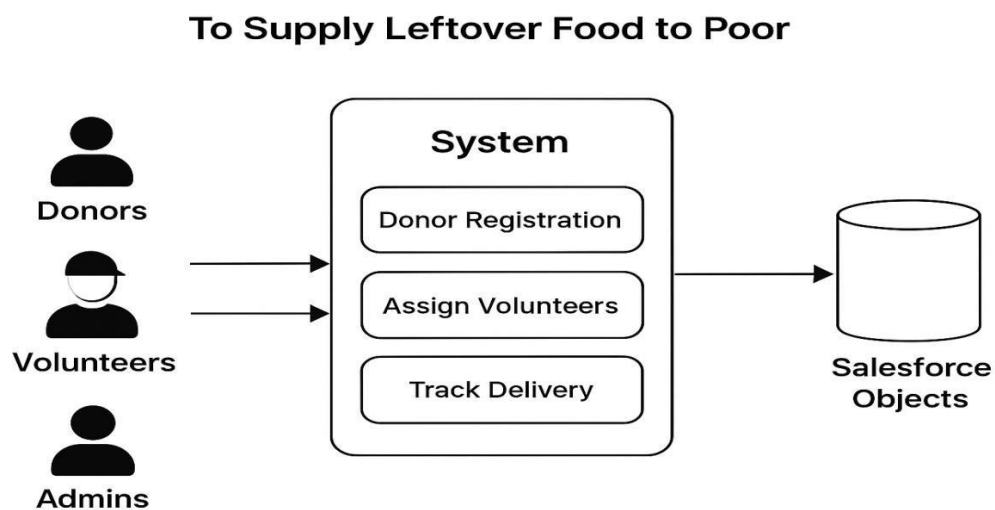
Technology Stack

Date	06 November 2025
Team Id	NM2025TMID05229
Project Name	To Supply Leftover Food To Poor
Maximum Marks	4 Marks

Technical Architecture

The project “**To Supply Leftover Food to Poor**” is developed using the **Salesforce platform**. It helps in managing food donations, assigning volunteers, and tracking drop-off points. The application is built on a **cloud-based architecture**, which ensures real-time access, data security, and scalability.

The system follows a **modular architecture** with clear data flow between donors, volunteers, drop-off points, and the central Salesforce database. It uses standard Salesforce features like **Custom Objects, Page Layouts, Relationships, Reports, and Dashboards** for efficient data management.



Components & Technologies:

S.No	Component	Technology Used
1	User Interface	Salesforce Lightning
2	Donor Registration	Salesforce Form / Flow
3	Volunteer Assignment	Salesforce Automation
4	Drop-Off Tracking	Salesforce Objects
5	Reports & Dashboards	Salesforce Report Builder
6	Database	Salesforce Cloud Storage

Application Characteristics :

S.No	Characteristics	Description	Technology Used
1.	Open-Source Frameworks	Not applicable; uses Salesforce's proprietary cloud platform.	
2.	Security Implementation	Provides secure data access with user authentication and role-based permissions.	Salesforce Profiles, Roles, and Permission Sets
3.	Scalable Architecture	Can support an increasing number of donors, volunteers, and delivery points.	Salesforce Cloud Architecture
4.	Availability	Always available with Salesforce's 24/7 cloud uptime.	Load-balanced Salesforce Servers
5.	Performance	Optimized with automated workflows, indexed data, and fast report generation.	Salesforce Flow and Apex Optimization