PROJECT DESIGN PHASE

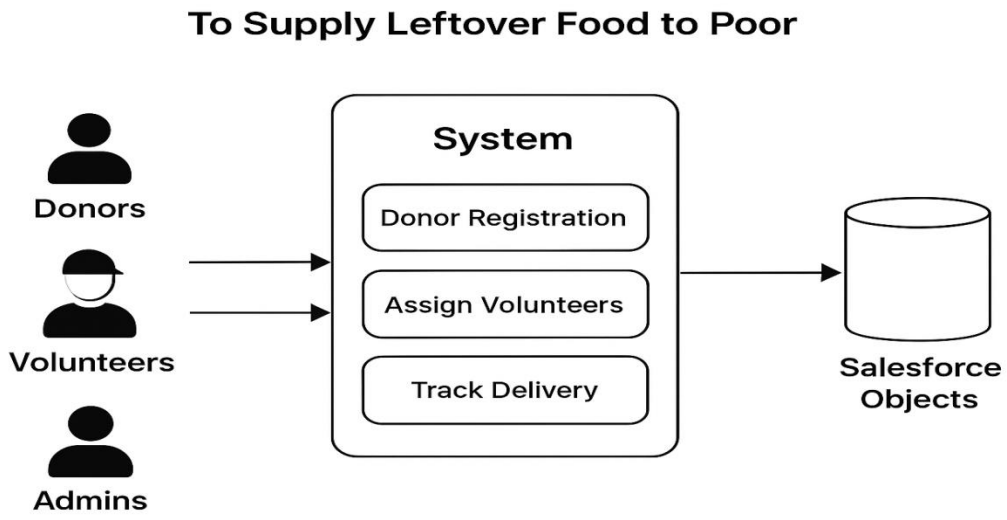
Technology Stack

Date	06 November 2025
Team Id	NM2025TMID06146
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