Project Design Phase
Proposed Solution

Date	02 November 2025
Team ID	NM2025TMID02364
Project Name	To Supply Leftover Food to Poor
Maximum Marks	2 Marks

Proposed Solution Template:

The proposed solution is a **Salesforce Lightning Application** named **FoodConnect**, designed to connect surplus food sources with volunteers and drop-off points through a cloud-based system.

Key Features:

- **Custom Objects:**

  - *Venue:* Represents the location where surplus food is available.

○ *Drop-Off Point:* Represents the delivery location or beneficiary organization.

○ *Volunteer:* Represents individuals helping in food collection and delivery.

○ *Task:* Represents assignments given to volunteers for food transport.

○ *Execution Details:* Represents the operational details of each completed task.

● **Relationships Between Objects:**

○ Venues are linked to Drop-Off Points.

○ Volunteers and Tasks are related through Execution Details.

○ Drop-Off Points and Tasks are linked for better logistical tracking.

● **Automation and Flows:**

A **Screen Flow** is created to allow users to easily input venue details, which automatically create new Venue records in Salesforce.

● **Reports and Dashboards:**

  ○ Reports such as *Venue with Drop-Off with Volunteer* and *Volunteer Task* provide insights into operational performance.

  ○ Dashboards like *Organization Details* display visual data on food delivery operations and volunteer engagement.

● **Security and Access Control:**
  Profiles, Users, Public Groups, and Sharing Rules were configured to ensure appropriate data visibility for NGOs based on distance and geographical zones.

● **App Structure:**

  ○ **App Name:** FoodConnect

- **Navigation Items:** Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports, Dashboards.

Benefits of the Solution:

- Streamlined coordination between NGOs, volunteers, and food donors.

- Reduced food wastage through timely pickups and deliveries.

- Real-time visibility into operations through dashboards and reports.

- Secure, role-based data access for different users and organizations.