Project Design Phase–II

Solution Requirements (Functional & Non-functional)

Date	02 NOVEMBER 2025
Team ID	NM2025TMID04671
Project Name	To Supply Leftover Food to Poor
Maximum Marks	2 Marks

Functional Requirements:

Following are the functional requirements of the proposed Salesforce-based solution for the project 'To Supply Leftover Food to Poor'. These requirements describe the expected system behavior and core features implemented.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Venue Management	Create and manage venues donating surplus food.
FR-2	Drop-Off Points	Register and manage food collection points with geolocation.
FR-3	Volunteer Coordination	Assign volunteers to collect and deliver food based on proximity.
FR-4	Task Management	Track delivery tasks, including distance, food type, and beneficiaries.
FR-5	Execution Details	Maintain execution logs for each delivery operation.
FR-6	Flow Automation	Automate record creation for venues using Salesforce Flow.
FR-7	Data Relationships	Establish relationships between Venues, Drop-Off Points, Volunteers, and Tasks.
FR-8	Reporting & Dashboard	Generate analytical reports and dashboards for NGO tracking.
FR-9	Sharing Rules	Automatically share records with NGOs based on distance criteria.
FR-10	User Management	Create profiles, users, and groups for different NGO organizations.

Non-functional Requirements:

Following are the non-functional requirements ensuring reliability, usability, and performance of the FoodConnect Salesforce application.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly and easy to navigate for NGOs and volunteers.
NFR-2	Security	Access should be restricted through profiles and sharing settings.
NFR-3	Performance	Distance calculations and record creation should execute quickly without lag.
NFR-4	Reliability	System must ensure consistent record creation and task linking.
NFR-5	Scalability	System should handle multiple venues, volunteers, and NGOs efficiently.
NFR-6	Availability	Application should remain available for NGOs 24/7 for food collection coordination.
NFR-7	Maintainability	Flows, triggers, and automation should be easy to modify and update.
NFR-8	Transparency	Reports and dashboards should clearly show how food is distributed to ensure accountability.
NFR-9	Data Integrity	Relationships between records must preserve data accuracy during automation.
NFR-10	Extensibility	The app should support additional modules like food quality tracking in the future.