PROJECT DESIGN PHASE

Solution Requirements

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

Functional Requirements:

Functional requirements describe what the system should do — the main features and actions it must perform. They define the core operations of the project.

Non-Functional Requirements:

Non-functional requirements describe **how the system should perform** — the quality and behavior of the system. They focus on **performance, security, and reliability** rather than features.

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Donor Registration	Register food donors (restaurants, event venues, households) through form.
FR-2	Food Collection Request	Donors can submit leftover food details like quantity, type, and location.
FR-3	Volunteer Assignment	System assigns available volunteers to collect food from donors.
FR-4	Drop-Off Point Management	Volunteers deliver food to nearby drop-off points for distribution.
FR-5	Delivery Confirmation	Volunteers or drop-off managers confirm successful delivery.
FR-6	Report Generation	System generates reports showing donors, volunteers, and delivery data.

Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be easy to use for donors, volunteers, and admins.
NFR-2	Security	Only authorized users should manage or modify donation records.
NFR-3	Reliability	The system must ensure accurate data linking between donors, volunteers, and drop-off points.
NFR-4	Performance	The system should handle multiple food donation entries without delay.
NFR-5	Availability	The platform should be available 24/7 for food donation and tracking.
NFR-6	Scalability	The system should support more donors and volunteers as the network grows.

Diagram: