

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03-11-2025
Team ID	NM2025TMID05217
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Food Donor Registration	Donors register through a web or mobile form. Registration via Gmail or mobile number.
FR-2	Food Availability Update	Donors can update leftover food details (quantity, type, pickup time).
FR-3	Food Request	Needy organizations or volunteers can request available food.
FR-4	Location Mapping	The system maps donor and receiver locations using GPS.
FR-5	Delivery Assignment	Volunteers are automatically assigned for pickup and delivery.
FR-6	Notification	System sends notifications to donors, receivers, and volunteers.
FR-7	Feedback System	Donors and receivers can give feedback after each delivery.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be simple for donors, volunteers, and receivers to use.
NFR-2	Security	User data and location information must be securely stored and transmitted.
NFR-3	Reliability	The system must ensure that food pickup and delivery requests are handled accurately.
NFR-4	Performance	Food matching and assignment should occur quickly without delay.
NFR-5	Availability	The application should be available 24/7 for food donations and requests.
NFR-6	Scalability	The system should handle an increasing number of donors, volunteers, and receivers as it grows.