

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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|---------------|------------------------------|
| Date | 2 NOV 2025 |
| Team ID | NM2025TMID02631 |
| Project Name | 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 Collection | Volunteers collect leftover food from restaurants, events, and homes. |
| FR-2 | Venue and Drop-off Point Selection | System suggests nearest food collection and drop-off points. |
| FR-3 | Volunteer Task Assignment | Admin assigns volunteers for specific areas or collection routes. |
| FR-4 | Food Quality Check | Volunteers verify food freshness and upload images before distribution. |
| FR-5 | Food Distribution | System tracks and records distribution details to ensure fair allocation. |
| FR-6 | Feedback and Reporting | Beneficiaries and volunteers can give feedback and report issues. |

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 easy to use for both volunteers and donors. |
| NFR-2 | Security | User data and food source details must be securely stored. |
| NFR-3 | Reliability | The system must accurately track collection and distribution points. |
| NFR-4 | Performance | Food pickup and delivery updates should be processed without delay. |
| NFR-5 | Availability | The app should be available 24/7 for emergency food donations. |
| NFR-6 | Scalability | The system should support multiple cities and high volumes of food donations. |