

Project Design Phase-II

Data Flow Diagram & User Stories

Date: 30 October 2025

Team ID: NM2025TMID01177

Project Name: To Supply Leftover Food and Poor

Maximum Marks: 4 Marks

Data Flow Diagrams:

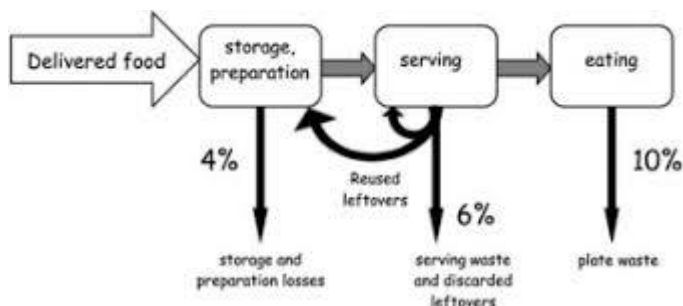
A **Data Flow Diagram (DFD)** is a traditional visual representation of how information moves through a system. It helps identify inputs, processes, storage points, and outputs within a workflow. A well-structured DFD clearly shows how data is created, transformed, and used within the system.

In the project “**To Supply Leftover Food and Poor,**” the **Data Flow Diagram (DFD)** illustrates how food donation and distribution requests are managed in the platform.

It represents the flow of information between the **donor, volunteer, NGO,** and the **system database.** The DFD demonstrates:

- How donors register surplus food details through the system.
- How volunteers receive pickup assignments and confirm delivery.
- How NGOs monitor food availability and request allocations.
- How the central system tracks, stores, and updates donation and delivery records in real-time.

Example:



User Stories

User stories describe what different users need from the system in simple, goal-focused language.

In this project, they ensure smooth coordination between donors, volunteers, and NGOs, helping the system efficiently collect, transport, and distribute leftover food to people in need.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
Administrator	Donor Management	USN-1	As an admin, I want to register food donors (restaurants, events, and households) to contribute surplus food.	Donors should be successfully registered and visible in the donor list.	High	Sprint-1
Volunteer	Food Collection	USN-2	As a volunteer, I want to receive notifications of food pickups so that I can collect food from registered donors.	The system should send notifications to available volunteers with pickup details.	High	Sprint-1
NGO Staff	Food Distribution	USN-3	As an NGO member, I want to view collected food details and allocate them to	Food items should be displayed with donor and location details for assignment.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
			nearby needy areas.			
System (Auto-check)	Tracking & Validation	USN-4	As a system, I must validate and update the status of each food item from pickup to delivery.	The system automatically updates status after confirmation from volunteers.	Medium	Sprint-2
Admin/Manager	Feedback & Reporting	USN-5	As an admin, I want to view reports and feedback about successful food distributions.	The dashboard displays distribution metrics and user feedback reports.	Medium	