

## Project Design Phase-II

### Data Flow Diagram & User Stories

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

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

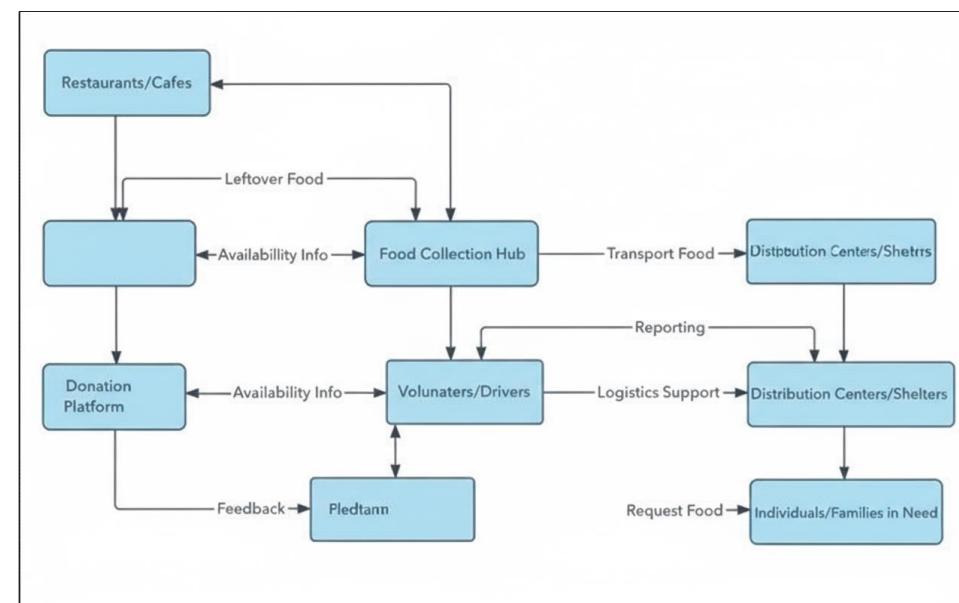
In the project **“To Supply Leftover Food to Poor,”** Data Flow Diagrams (DFDs) illustrate how food donation requests are processed within the system. The DFD shows the interaction between the **venue manager ,volunteer, drop-off point, and the administrator** to ensure timely collection and delivery of leftover food . When a venue records food details, the system triggers an alert, assigns a nearby volunteer, and tracks delivery confirmation. The data is stored securely in Salesforce and displayed in real-time dashboards for monitoring and reporting.

#### Example:

##### Flow



1. Donor fills out web and mobile form with leftover food details.
2. Leftover food information is captured by system.
3. Enriched data, including GPS location, is mapped to a matching receiver.
4. The receiver is notified of the available food in their area.
5. The receiver picks up the leftover food.



**User Stories:**

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure that food donations are managed, tracked, and delivered efficiently to reduce food wastage and support the needy.

| User Type           | Functional Requirement (Epic) | User Story Number | User Story / Task                                                                                                           | Acceptance criteria                                                                                         | Priority | Release  |
|---------------------|-------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------|----------|
| Venue Manager       | Food Donation Management      | USN-1             | As a venue manager, I want to record leftover food details in the system so that volunteers can be notified for collection. | The system should allow venues to enter food details and automatically send alerts to available volunteers. | High     | Sprint-1 |
| System (Automation) | Volunteer Assignment          | USN-2             | As a system, I must automatically assign the nearest available volunteer when a donation is added.                          | Volunteer is assigned instantly, and a notification is sent with pickup location and timing.                | High     | Sprint-1 |
| Volunteer           | Food Collection and Delivery  | USN-3             | As a volunteer, I want to view assigned food donations and confirm delivery to ensure timely distribution.                  | Volunteer should be able to update the pickup and delivery status successfully.                             | Medium   | Sprint-2 |