PROJECT DESIGN PHASE

Data Flow Diagrams And User Stories

Date	06 November 2025
Team Id	NM2025TMID06146
Project Name	To Supply Leftover Food To Poor
Maximum Marks	4 Marks

Data Flow Diagrams (DFD)

A **Data Flow Diagram (DFD)** is a visual representation of how information moves through a system.It shows how data is collected, processed, and delivered between users and system components.
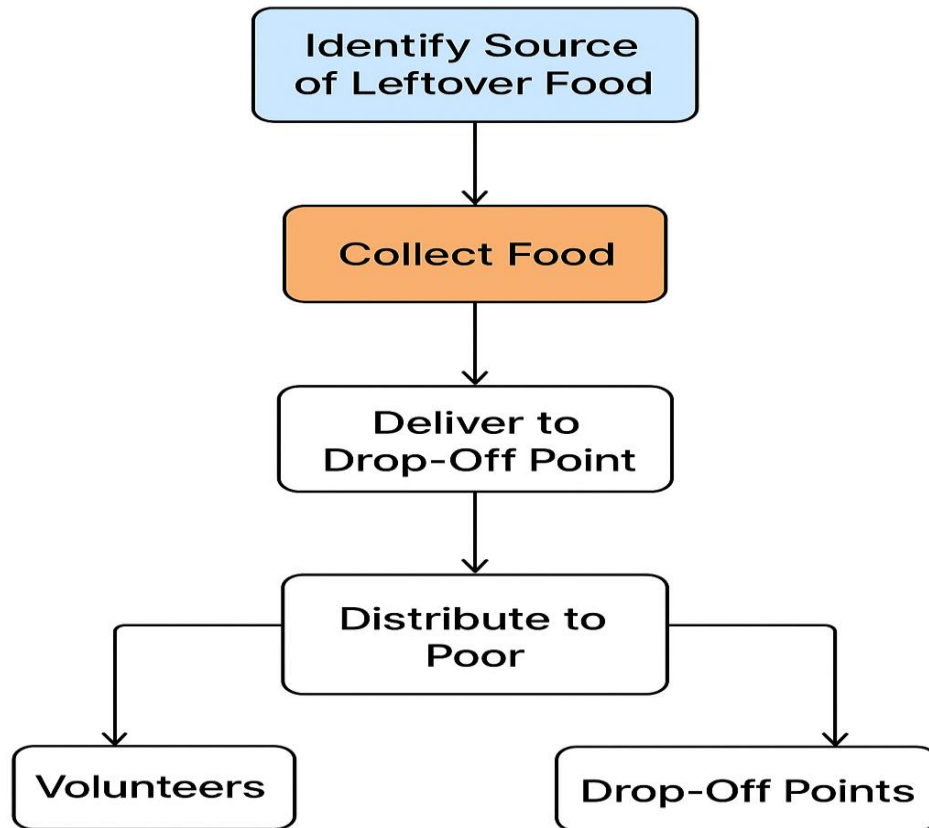
In the project **"To Supply Leftover Food to Poor"**, the DFD illustrates how food donation requests are managed through the Salesforce system. The diagram shows interactions between **Donors (restaurants, venues, and households)**, **Volunteers**, **Drop-Off Points**, and the **System Database**.

When a donor registers leftover food, the system assigns volunteers to collect it. The volunteers then deliver the food to drop-off points, where it is distributed to poor people. All data, such as donor details, food quantity, and delivery status, are stored and managed in the Salesforce database.

Flow:

The diagram represents the flow of information and activities in the food donation process using Salesforce.

1. Donors (Restaurants / Event Venues / Households)

2. Salesforce Food Distribution System

3. Volunteers

4. Drop-Off Points

5. Poor People / Needy Beneficiaries

Example Explanation:

- **External Entities:**
  - **Donor:** Provides leftover food information.
  - **Volunteer:** Collects and delivers food.
  - **Drop-Off Point:** Receives food for distribution.
- **Processes:**
  - **Collect Food Details** from Donors.
  - **Assign Volunteers** for pickup.
  - **Track Delivery** and storage details.
  - **Generate Reports** on donations and deliveries.
- **Data Stores:**
  - Donor Details
  - Volunteer Information
  - Drop-Off Point Records
  - Delivery Reports

User Stories:

User stories describe what each user expects from the system in simple, goal-based statements. They help define the system's main functions clearly.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Donor	Food Donation	USN-1	As a donor, I want to register leftover food so it can be collected and used to feed poor people.	The system should allow donors to add food details and submit them for collection.	High	Sprint-1
Volunteer	Food Collection & Delivery	USN-2	As a volunteer, I want to know which venue I should collect food from and where to deliver it.	The system should display assigned venues and drop-off points to volunteers.	High	Sprint-1
Drop-Off point Manager	Food Distribution	USN-3	As a drop-off point manager, I want to record the received food and confirm its distribution.	The system should allow confirmation and tracking of food delivery records.	Medium	Sprint-2
System	Report Generation	USN-4	As a system, I must generate reports showing donors, volunteers, and drop-off details.	The system should create reports accurately combining all modules.	High	Sprint-2