<p style="text-align:center">Project Design Phase – II</p>

<p style="text-align:center">Data Flow Diagram & User Stories</p>

Date:	1 November 2025
Team ID:	NM2025TMID08177
Project Name:	To Supply Leftover Food to Poor
Maximum Marks:	4 Marks

Data Flow Diagram (DFD):

A **Data Flow Diagram (DFD)** visually represents the flow of information within a system. It shows how data enters, is processed, stored, and delivered as output.

In the project **"To Supply Leftover Food to Poor,"** the DFD illustrates how leftover food from restaurants, events, and households is collected, tracked, and distributed to needy people efficiently. The system ensures that food donations are properly recorded, delivery requests are processed, and recipients receive food on time without wastage.

Process Overview:

1. **Donor (restaurant/event/household)** registers leftover food details in the system.

2. The **system verifies** food quality and availability.

3. A **volunteer or NGO partner** receives the pickup request.

4. The **delivery person** collects the food from the donor.

5. The food is **transported and distributed** to the poor or needy at nearby locations.

6. The system updates the **status as "Delivered"** and maintains records for tracking and reports.

Example – DFD Flow:

Entities:

- **Donor** → provides food details

- **System** → verifies and assigns volunteer

- **Volunteer/Delivery Staff** → collects and distributes food

- **Receiver (Poor/Needy)** → receives food

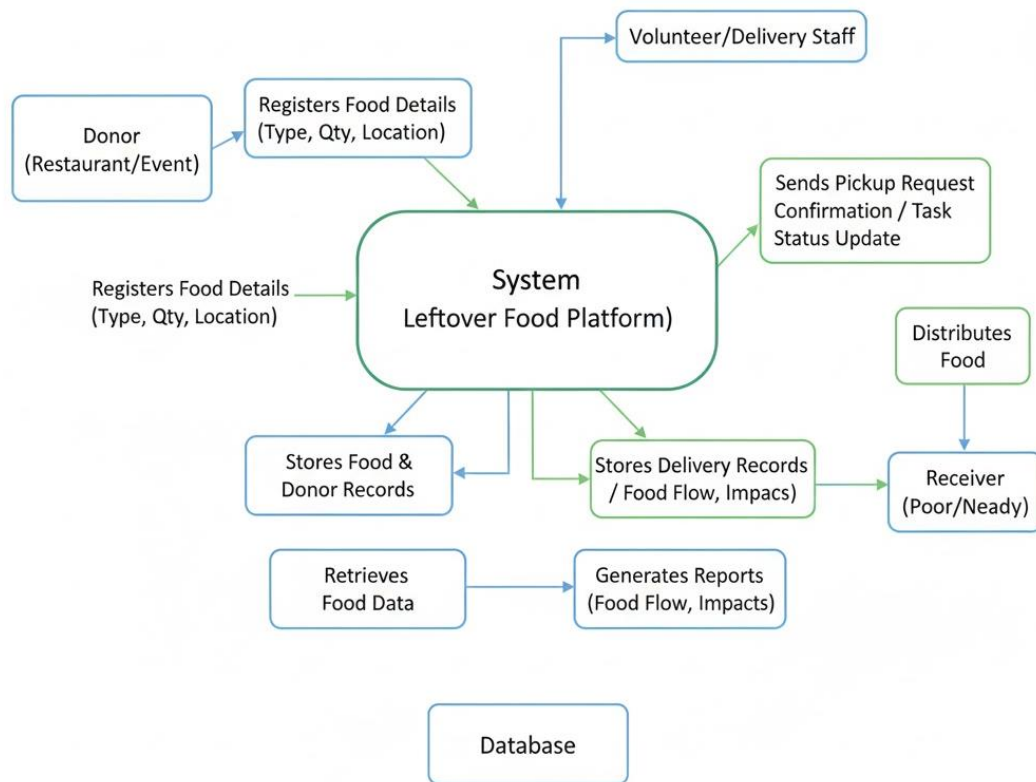- **Database** → stores food, donor, and delivery records

Fig: Leftover Food Restribblution System

User Stories:

User stories define what different users expect from the system. In this project, they help ensure the leftover food collection and distribution process is smooth, transparent, and impactful.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
Donor (Restaurant/Event/Household)	Food Donation	USN-1	As a donor, I want to register leftover food details and location for pickup.	The system should allow donors to submit food details, quantity, and pickup time.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
Volunteer/NGO Member	Food Collection	USN-2	As a volunteer, I want to view available food donations and accept pickup requests.	The system should show nearby donation listings and allow volunteers to confirm collection.	High	Sprint-1
Delivery Staff	Food Distribution	USN-3	As a delivery staff, I want to deliver collected food to nearby needy people.	The system should provide delivery location details and confirm delivery status.	High	Sprint-2
Receiver (Needy Person/Community)	Food Reception	USN-4	As a receiver, I want to get food from volunteers in a timely manner.	The system should ensure proper distribution scheduling and confirmation.	Medium	Sprint-2
Admin/Organizer	Monitoring & Reports	USN-5	As an admin, I want to monitor food donations, deliveries, and generate impact reports.	The system should display daily donation summaries and track total beneficiaries served.	High	Sprint-3