Project Design Phase-II
Data Flow Diagram & User Stories

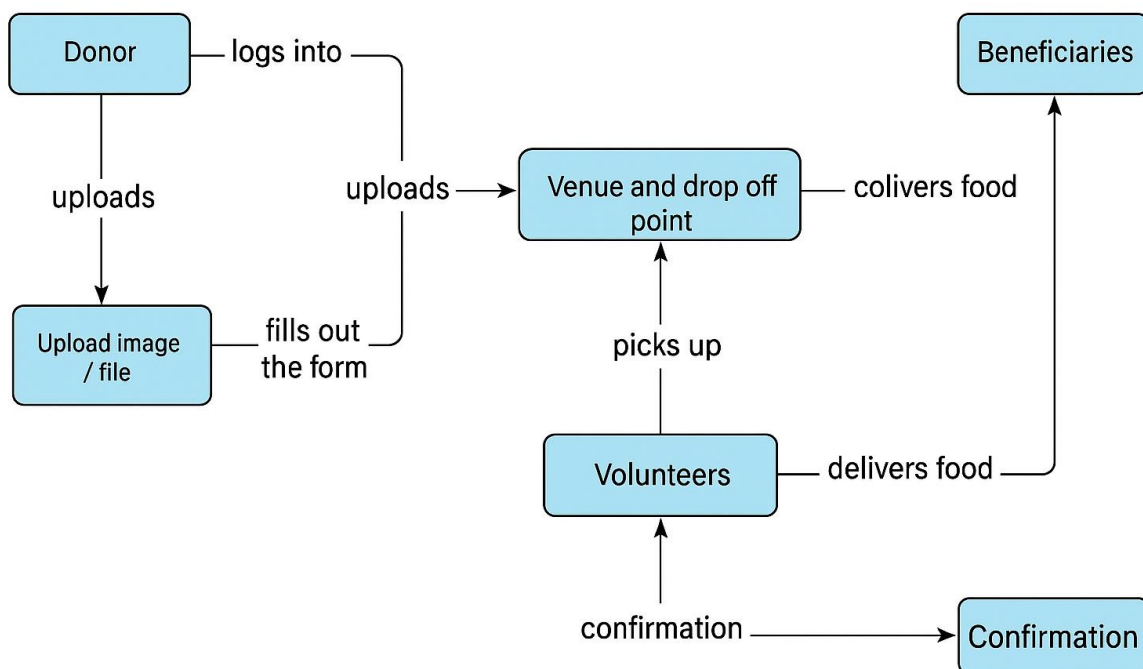| Date	2 NOV 2025
Team ID	NM2025TMID02631
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

Data Flow Diagrams:

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

In the project **"Supply Leftover Food to Poor"**, Data Flow Diagrams (DFDs) illustrate how leftover food donations are managed and distributed through the system. The DFD shows the interaction between the donor, the system, the volunteer, and the beneficiary database to ensure that food is safely collected, matched with available recipients, and delivered efficiently to those in need. The system ensures proper coordination, location tracking, and confirmation of food delivery.

Example:

Flow

Supply Leftover Food to Poor

1. Donor logs into the system and configures credentials for the food donation app.

2. Donor uploads food image or file and fills out the form with details such as type of food, quantity, and expiry time.

3. The system fetches nearby **volunteers**, **venue**, and **drop-off point** for efficient food collection and delivery.

4. Volunteers receive tasks and transport the food from donors to beneficiaries.

5. Beneficiary confirmation is updated in the system database to ensure successful delivery.

User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure smooth food collection, volunteer coordination, and delivery to the right beneficiaries.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Donor and Volunteer Management	USN-1	As an admin, I want to manage donors, volunteers, and food requests to ensure smooth coordination.	The system should allow admin to view, approve, and track donations and volunteer activities.	High	Sprint-1
Donor	Food Donation Submission	USN-2	As a donor, I want to upload food details, image, and select a nearby drop-off point to donate leftover food.	Donation form should include food details, image upload, and allow selection of a nearby collection venue.	High	Sprint-1
System (Auto-check)	Validation before Delivery	USN-3	As a system, I must verify food freshness, location, and volunteer availability before confirming a delivery.	System automatically validates freshness and matches available volunteers and drop-off points.	High	Sprint-2
Volunteer	Task Assignment	USN-4	As a volunteer, I want to receive alerts about new	System sends real-time notifications for assigned tasks	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
			food pickup and drop-off tasks.	with donor and venue details.		
Beneficiary Manager	Delivery Confirmation	USN-5	As a beneficiary manager, I want to receive confirmation once food is delivered successfully.	System updates delivery status and sends confirmation message after each delivery.	Medium	Sprint-3