

REQUIREMENT ANALYSIS

Data Flow Diagrams (DFD) and User Stories

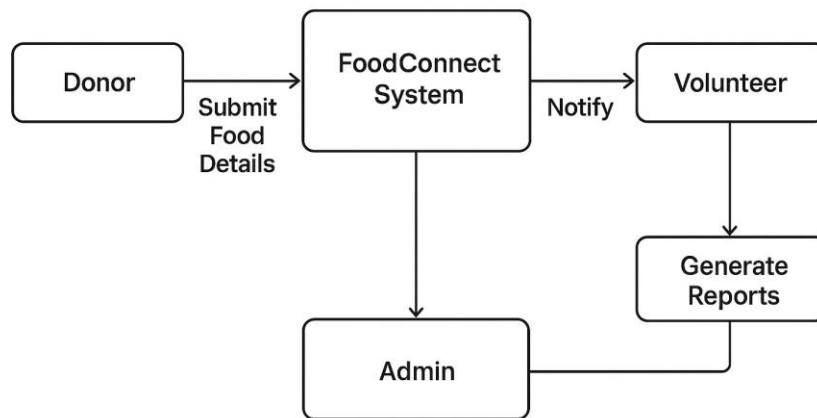
Date	04 November 2025
Team ID	NM2025TMID02011
Project Name	To Supply Leftover Food to Poor
Maximum marks	4

Data Flow Diagram (Level 0 – Context Diagram)

The Level 0 DFD shows the overall flow of information between key entities in the *FoodConnect* system.

Entities Involved:

- Donor – Registers and submits leftover food details.
- Volunteer/NGO – Receives notifications and collects the food.
- Admin – Monitors and manages the entire operation.



Data Flow Diagram (Level 0 – Context Diagram)

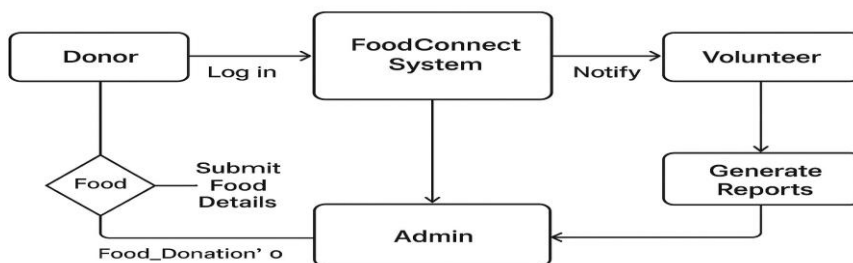
Flow Summary:

1. Donor provides food information.
2. System stores it in the Salesforce database.
3. Volunteer receives a notification about available food.
4. Volunteer updates pickup/delivery status.
5. Admin monitors through dashboards and reports.

Data Flow Diagram (Level 1 – Detailed View)

Steps:

1. Donor logs in and fills food details form.
2. Food data gets stored in Food_Donation object.
3. Automation trigger checks for available volunteers.
4. Notification sent to volunteers/NGOs.
5. Volunteer accepts and marks delivery as completed.
6. Admin reviews and approves status updates.
7. Reports get auto-generated in the dashboard



Data Flow Diagram (Level 1 – Detailed View)

User Stories:

User Role	User Story Description	Purpose / Outcome
Donor	As a food donor, I want to register leftover food easily so that it can be picked up by a volunteer quickly.	Ensures that food is not wasted and reaches those in need.
Volunteer	As a volunteer, I want to get notified when food is available nearby so I can collect and deliver it promptly.	Enables quick response and real-time food collection.
Admin	As an admin, I want to monitor donations, volunteers, and deliveries so I can maintain transparency and efficiency.	Ensures system reliability and proper reporting.