Project Design Phase–II
Data Flow Diagram & User Stories

Date: 31 OCTOBER 2025
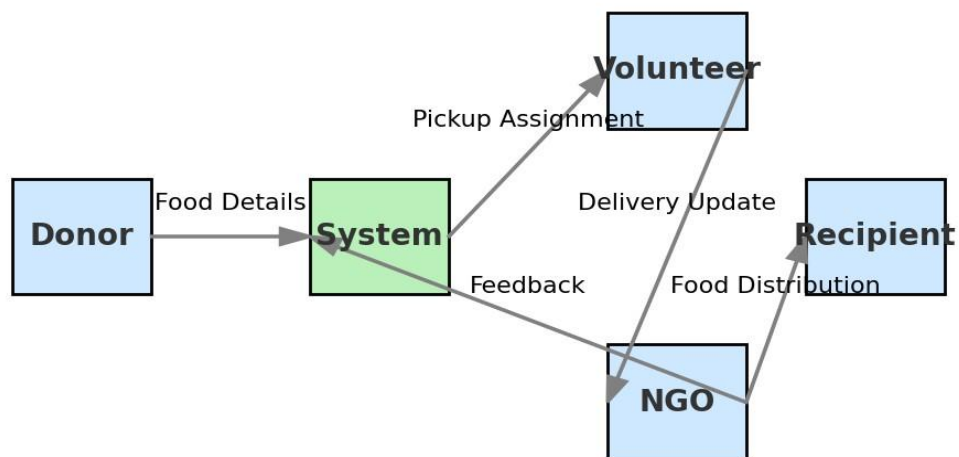**Team ID:** NM2025TMID05985
Project Name: To Supply Leftover Food to Poor
Maximum Marks: 4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of how information moves through the system. In this project, the DFD illustrates how food donors, volunteers, NGOs, and recipients interact through Salesforce. It shows how food details are entered, validated, assigned to volunteers, and delivered efficiently to the poor.

Figure 1: Data Flow Diagram for 'To Supply Leftover Food to Poor'

User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure that leftover food is collected, managed, and delivered to the needy efficiently.

Role	User Story	Acceptance Criteria	Priority	Status
Donor	As a donor, I want to register and list available leftover food items with details such as quantity and pickup time.	Donor can register successfully and post food details for pickup.	High	Completed
Volunteer	As a volunteer, I want to view nearby food donations so I can plan pickups efficiently.	Volunteer can access verified donor data and mark pickup as complete.	High	Completed
NGO	As an NGO, I want to receive food details and delivery updates from volunteers.	NGO receives confirmation and updates in real-time from the system.	High	Completed
System	As a system, I want to automatically assign volunteers to donors based on location and availability.	Volunteers are notified and assigned efficiently through automation.	High	In Progress
Recipient	As a recipient, I want to receive fresh food through organized delivery from NGOs.	Recipients receive food within short time after pickup to ensure freshness.	Medium	Pending
Admin	As an admin, I want to generate daily reports showing donations, deliveries, and feedback.	System generates summary dashboards and exportable reports.	Medium	Completed
NGO	As an NGO, I want to provide feedback after each donation to maintain transparency.	Feedback submitted is stored and displayed in admin dashboard.	Medium	Completed

Project Outcome:

The system successfully automates the food donation process by connecting donors, volunteers, and NGOs through Salesforce. It ensures that surplus food reaches the poor efficiently, minimizing waste and supporting community welfare.

Learnings:

• Learned to design and implement Salesforce applications for real-world social problems.

• Improved understanding of data flow modeling and system automation.

• Enhanced teamwork and collaboration during sprint planning and testing.

Evaluation:

The application was tested successfully across all modules. The automation process ensured accurate data handling, and the Salesforce reports validated the overall system performance.