# Project Title: To Supply Leftover Food to Poor

Team ID: NM2025TMID02077
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## Objective:

The project aims to minimize food wastage by creating a Salesforce-based system that connects donors with NGOs and volunteers. It ensures that leftover food from restaurants, events, and households is collected efficiently and delivered to the poor in a timely manner.

## Data Flow Diagram (DFD)

The DFD below represents the flow of data between different entities. Donors provide food details, which are validated and stored by the system. Volunteers are assigned pickup tasks, NGOs receive the donations, and recipients get the food. Feedback is returned to the system for continuous improvement.
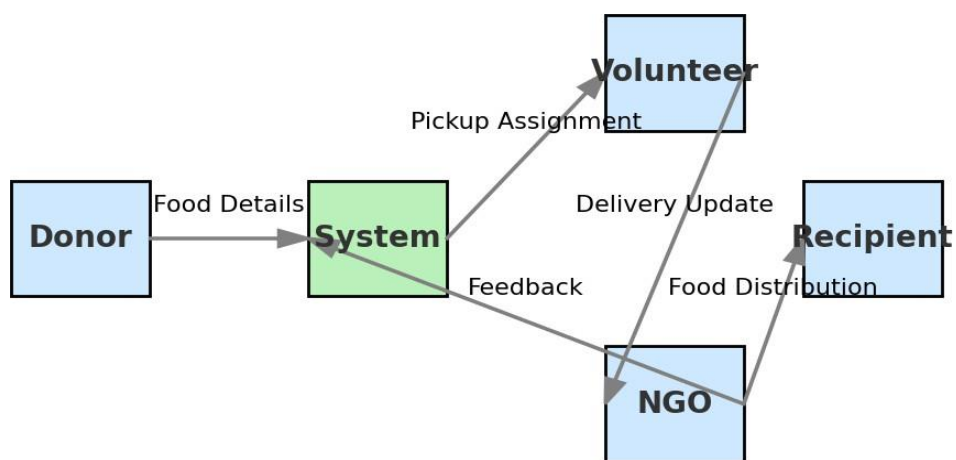


*Figure 1: Data Flow Diagram for 'To Supply Leftover Food to Poor'*

## 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.

## References

https://trailhead.salesforce.com/content/learn/modules/nonprofit-success-pack-npsp-overview
https://www.atlassian.com/agile/tutorials/sprints
https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.unep.org/thinkeatsave
https://www.salesforce.org/blog/food-waste-reduction-solutions/

| 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 |