

## **Project Design Phase–II**

### **Data Flow Diagram & User Stories**

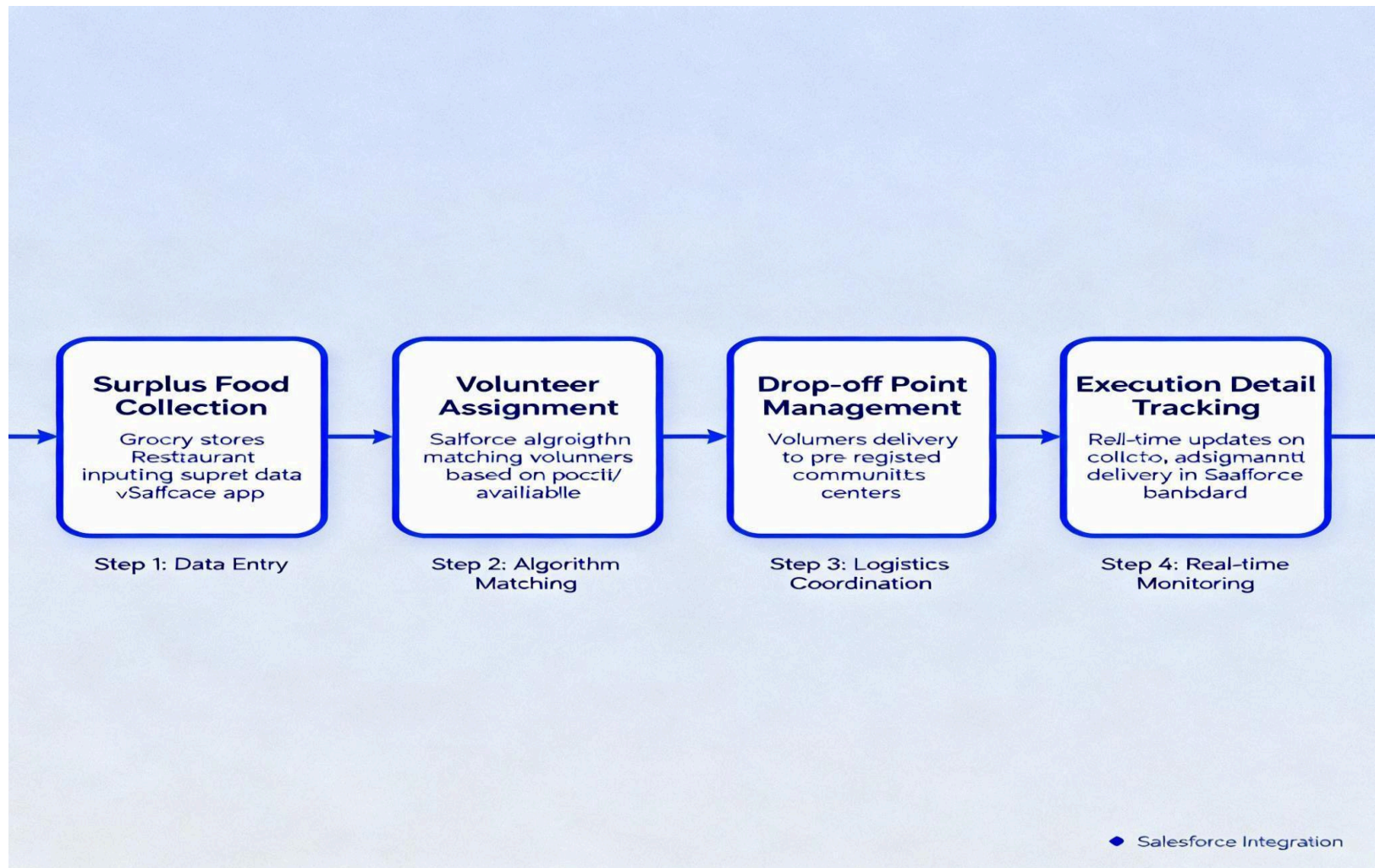
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|----------------------|---------------------------------|
| <b>Date</b>          | 2 OCTOBER 2025                  |
| <b>Team ID</b>       | NM2025TMID04366                 |
| <b>Project Name</b>  | To Supply Leftover Food to Poor |
| <b>Maximum Marks</b> | 4 Marks                         |

#### **Data Flow Diagrams:**

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

In the project “To Supply Leftover Food to Poor,” Data Flow Diagrams (DFDs) illustrate how food donation, collection, and distribution activities are processed within the Salesforce system. The DFD demonstrates how surplus food data from venues is collected, stored, verified, and shared with volunteers and NGOs for efficient redistribution to the needy.

Example:



## User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they ensure the FoodConnect Salesforce app efficiently manages the leftover food supply chain by supporting venues, volunteers, NGOs, and drop-off points with clear workflows.

| User Type     | Functional Requirement (Epic) | User Story Number | User Story / Task  | Acceptance Criteria   | Priority | Release  |
|---------------|-------------------------------|-------------------|--|---|----------|----------|
| Administrator | Venue Management              | USN-1             | As an admin, I want to register new venues providing surplus food so that they can donate easily.    | System allows adding venues with contact and location details.                  | High     | Sprint-1 |
| Volunteer     | Food Collection               | USN-2             | As a volunteer, I want to view nearby drop-off points so I can collect and deliver food efficiently. | System displays geolocation-based drop-off points and assigns collection tasks. | High     | Sprint-1 |
| NGO Manager   | Food Distribution             | USN-3             | As an NGO manager, I want to track the quantity of food served and the number of people reached.     | Reports display total food served and beneficiaries via dashboards.             | Medium   | Sprint-2 |

|        |            |       |  |  |        |          |
|--------|------------|-------|--|--|--------|----------|
| System | Automation | USN-4 | As a system, I must automatically calculate the distance between venues and drop-off points. | Distance is computed using Salesforce formula field DISTANCE().  | High   | Sprint-1 |
| Admin  | Analytics  | USN-5 | As an admin, I want to view combined reports of venues, volunteers, and drop-off activities. | Custom reports and dashboards show summarized organization data. | Medium | Sprint-2 |