NAAN MUDHALVAN PROJECT REPORT

SB8067 - SALESFORCE DEVELOPER
"TO SUPPLY LEFT OVER FOOD TO POOR"

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ANALYSIS PHASE – Leftover Food Supply to Poor (Salesforce Project)

1. Understanding the Problem

- Large amounts of food are wasted daily from restaurants, events, and households.
- Many poor and homeless people struggle to get even one meal a day.
- There is no common platform to link **food donors** to **people in need** quickly.
- Lack of coordination causes delay → Food gets spoiled before delivery.
- Manual work makes tracking donation and distribution difficult.

2. System Requirements Identified

Functional Requirements

✓ Allow donors to register leftover food details

✓ Store drop-off locations and donor contact information

✓ Automatically calculate and store distance for distribution

✓ Assign records to nearest volunteer or NGO

✓ Track food donation data using dashboards

✓ Automate processes using Triggers and Flows

Non-Functional Requirements

✓ System must be easy to use (user-friendly)

✓ Real-time access for volunteers

✓ Data must be secure and accessible based on distance/location

✓ Scalable to handle many donors and receivers

3. Key Users (Stakeholders)

User Type	Role
Donors (Hotels, Halls, People)	Submit leftover food details
Volunteers/NGO	Collect and distribute food
Admin	Monitor data and system

Beneficiaries (Needy people)   Receive food support

4. Technology Selection Justification

Technology	Purpose
Salesforce Platform	Central system to store & manage data
Custom Objects	Store donor & drop-off information
Apex Trigger	Auto-store calculated distance
Flow Builder	Capture user inputs through a form
Sharing Rules	Assign data based on distance
Reports & Dashboard	Visualize donation statistics
Cloud Access	Works from anywhere on any device

5. Data Requirements

Drop-Off Point Object Fields

- Donor Name
- Phone Number
- Food Details
- Drop Location
- Distance
- Distance Calculation

Automation Needs

- Copy distance formula value into actual distance field (Trigger)
- Share records to nearest volunteer (Sharing Rules)

6. Feasibility Study

Feasibility Type	Result
Technical	✅ Possible using Salesforce automation tools
Operational	✅ Easy for users and volunteers
Economical	✅ No cost using Trailhead/Playground
Social Benefit	✅ Reduces hunger and food waste

7. Expected Outcomes

✓ Faster food distribution

✓ Less food wastage

✓ Better coordination between donors and volunteers

✓ Transparent data tracking

✓ Social impact through technology

8. Risks & Mitigation

Risk	Solution
Incorrect distance data	Use automated calculation
Delayed response	Assign nearest volunteer via sharing rules
Food spoilage	Quick notification & data access
Data overload	Dashboard filters & structured objects

End Statement for Documentary

"Through proper analysis, we designed a system that connects surplus food to those in need, using the power of Salesforce and automation to make hunger a solvable problem."