NAAN MUDHALVAN PROJECT REPORT

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

Submitted By:

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NOV- DEC 2025

Project Planning Phase — Apply Leftover Food to Poor

Introduction

 This phase defines scope, deliverables, resources, timeline, and risk management for the NGO focused food-recovery platform.

Project Scope

 A web-based portal connecting donors, NGOs, and volunteers for efficient collection and redistribution of surplus food.
 Includes user management, scheduling, routing, safety checks, and analytics.

Objectives (repeated concisely)

 Automate donation posting and pickup scheduling.
 Ensure quick matching between donations and NGOs/volunteers.
 Provide reporting for NGOs and administrators.

Deliverables

 Fully functional web platform (role-based dashboards).
 Donor onboarding flow and donation posting UI.
 Volunteer scheduling and route optimization helper.
 Food-safety checklist feature and quick verification.
 Reporting dashboards and exportable reports.
 Testing reports and final documentation.

Team Roles

 Aathithya M: Project Lead — coordinates stakeholders and documentation.
 Balamurugan K: Backend Developer — API, database, scheduling logic.
 Dhinesh M: Frontend Developer — responsive dashboards, accessibility.
 Vigneshwaran K: Quality Analyst — functional, security, and performance testing.
 Velan S: System Designer: Defines the system architecture, data flow.3

Timeline (10 weeks)

 Week 1–2: Requirement gathering with partner NGOs.
 Week 3–4: System design and UI prototypes.
 Week 5–7: Core development (donor posting, NGO workflows, scheduling).
 Week 8–9: Integration, safety validation, and testing.
 Week 10: Deployment and stakeholder training with sample NGOs.

Resources

Hardware: Standard developer machines and mobile devices for testing. Software: Node.js/Django backend option, React
frontend, MySQL/Postgres DB. Tools: GitHub, Postman, JMeter, mapping API (e.g., Google Maps or Open-source
alternative).

Risk Management

- Food safety risk — implement mandatory donor safety checklist and time-window expiry for postings.
- Scheduling delays — use real-time notifications and escalation rules.
- Data privacy — store minimal donor contact data and secure all communications via HTTPS.