

Phase 4: Project Planning Phase

Project Title: To Supply Leftover Food to Poor (Salesforce Platform)

Date: November 01, 2025

Team ID: NM2025TMID07011

Maximum Marks: 5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Donor Registration	USN-1	As a donor, I can register my restaurant/organization and input surplus food details.	3	High	Nimmala Durga Mahendra
Sprint-1	Volunteer Onboarding	USN-2	As a volunteer manager, I can register and assign volunteers for food collection and delivery.	3	High	Regadamilli Sai Sankara Manoj
Sprint-2	Recipient Management	USN-3	As an NGO admin, I can register recipient organizations and define delivery locations.	4	High	Nimmala Durga Mahendra
Sprint-2	Automated Assignment	USN-4	As a system admin, I want to create automated flows that assign food deliveries to volunteers.	4	High	Neelapalli Gowtham
Sprint-2	Real-Time Tracking	USN-5	As a volunteer, I can update delivery status (collected, enroute, delivered) in real-time.	3	High	Omirajul Sravani
Sprint-3	Data Protection Rules	USN-6	As a system admin, I want to create business rules that prevent deletion of volunteers and events assigned to active distributions.	5	High	Nimmala Durga Mahendra
Sprint-3	Dashboard & Analytics	USN-7	As an NGO manager, I can view real-time dashboards showing food distributed, donors engaged, and impact metrics.	4	Medium	Regadamilli Sai Sankara Manoj
Sprint-4	Mobile Notifications	USN-8	As a recipient, I receive SMS/email notifications when food is assigned and en-route.	3	Medium	Neelapalli Gowtham
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members

Sprint-4	Testing & Validation	USN-9	As a QA tester, I should verify that all features work as expected in pilot deployment.	4	High	Nimmala Durga Mahendra
Sprint-4	Documentation	USN-10	As a developer, I want to document the system architecture, workflows, and user guides for stakeholders.	3	Medium	Regadamilli Sai Sankara Manoj

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint Schedule & Progress

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	01 Nov 2025	07 Nov 2025	6	07 Nov 2025
Sprint-2	11	7 Days	08 Nov 2025	15 Nov 2025	11	15 Nov 2025
Sprint-3	9	7 Days	16 Nov 2025	23 Nov 2025	9	23 Nov 2025
Sprint-4	10	7 Days	24 Nov 2025	01 Dec 2025	10	01 Dec 2025
Total Story Points: 36	Total Duration: 27 Days					

Velocity Calculation

Average velocity = (Total Story Points Completed) / (Total Duration in Days)

Total: 36 points over 27 days → Velocity = 1.33 points/day

Burndown Chart

A burndown chart is a graphical representation of work left to do versus time. It is used in agile methodologies such as Scrum to track sprint progress. The chart visualizes whether the team is on track to complete all work by the planned sprint end date. As work is completed, the remaining story points decrease, ideally approaching zero by the sprint conclusion.

Team Responsibilities & Resource Allocation

Team Members & Roles

- **Nimmala Durga Mahendra** (Team Lead): Donor registration module, data protection rules, testing & documentation.
- **Regadamilli Sai Sankara Manoj** (Business Analyst): Volunteer management, dashboard & analytics, final documentation.

- **Neelapalli Gowtham** (Salesforce Developer): Automated workflows, mobile notifications, integration testing.
- **Omirajul Sravani** (QA Engineer): Real-time tracking validation, feature testing, UAT coordination.

Key Deliverables by Sprint

Sprint	Deliverable
Sprint-1	Donor & Volunteer registration modules operational and tested
Sprint-2	Recipient management, automated assignment flows, real-time tracking working end-to-end
Sprint-3	Data protection business rules enforced, analytics dashboards visible to all stakeholders
Sprint-4	Mobile notifications live, full system tested, comprehensive documentation ready for deployment

Risk Management & Mitigation

Risk	Probability	Impact	Mitigation Strategy
Salesforce API rate limits during high volume distribution	Medium	High	Implement batch processing and async flows
Volunteer availability during peak hours	High	Medium	Pre-schedule shifts; build volunteer reserve pool
Data quality from donors (incomplete food info)	Medium	Medium	Implement validation rules; provide donor training
Integration delays with third-party logistics	Low	High	Start integrations early; have manual fallback

Success Criteria

- ☒ All 36 story points completed within 27-day timeline.
- ☒ 98%+ system uptime during pilot phase.
- ☒ Minimum 100 food donations processed successfully in first month.
- ☒ Minimum 50 volunteers actively engaged in deliveries.
- ☒ Minimum 500 meals distributed to recipients in first month.
- ☒ User satisfaction score ≥ 4.5/5.0 from donors, volunteers, and recipients.
- ☒ Zero data loss incidents; all business rules functioning as designed.

Conclusion

The project planning phase outlines a structured, 27-day agile sprint schedule to deliver the "To Supply Leftover Food to Poor" Salesforce platform. With a total of 36 story points distributed across 4 sprints, clear team responsibilities, and defined success criteria, the project is positioned for successful delivery. The velocity metric of 1.33 points/day ensures realistic timelines. Comprehensive risk mitigation strategies and resource allocation maximize the probability of on-time, high-quality delivery that generates measurable social impact.