

Sprint Retrospective				
What went well	What went poorly	What ideas do you have	How should we take action	
<i>This section highlights the successes and positive outcomes from the sprint. It helps the team recognize achievements and identify practices that should be continued.</i>	<i>This section identifies the challenges, roadblocks, or failures encountered during the sprint. It helps pinpoint areas that need improvement or change.</i>	<i>This section is for brainstorming new approaches, tools, or strategies to enhance the team's efficiency, productivity, or project outcomes.</i>	<i>This section outlines specific steps or solutions to address the issues and implement the ideas discussed, ensuring continuous improvement in future sprints.</i>	<i>Guidelines</i>
Login and registration systems for users, employees, and organizations were implemented successfully.	Email verification during registration faced implementation issues and was not functioning as expected.	Implement concurrent delivery handling by logistics teams to manage multiple donation and collection routes simultaneously, improving efficiency and reducing delivery time.	Implement the Shortest Path First (SPF) algorithm for logistics routing—prioritizing nearest deliveries first, and enabling route backtracking in case of real-time changes or cancellations.	Allocate extra testing and debug time for third-party services like email verification.
Food donation and collection flows worked smoothly and without major issues.	The auto-location detection feature did not work properly, requiring users to manually enter their address.	Integrate a functional reward system where users (donors/NGOs) earn reward points based on donation quantity, frequency, and consistency to encourage sustained participation.	Enhance location precision by integrating a robust geolocation API that automatically detects the donor's location during the donation/collection request process.	Integrate auto-location detection early in the sprint to avoid manual entry delays.
Google Maps integration for location mapping and route navigation functioned effectively, especially for NGOs and truck drivers.	The reward system (such as badges, points, or coupons for donors and NGOs) was not functioning correctly or consistently.	Add image capturing functionality during the donation process to allow users to upload photos of the food, which will assist in analyzing food quality and ensuring transparency.	Integrate machine vision and electronic nose systems to assess food quality by capturing and analyzing images and odor signatures for freshness, contamination, and spoilage detection.	Prioritize reward system logic testing and data structure validation to ensure smoother deployment.
The chatbot and assistant features were fully functional and provided valuable, real-time support to users.	Some minor delays occurred due to manual location input slowing down the donation process.	Utilize dedicated logistics vans separately for food collection and donation to streamline operations and avoid cross-contamination or routing confusion.	Use machine learning and deep learning models for image categorization and feature extraction, ensuring precise understanding of food type and quality before dispatching or accepting.	Use pre-trained ML models initially, then fine-tune based on your own dataset to speed up quality classification integration.
The team had good collaboration and communication, ensuring timely completion of major backend and frontend tasks.		Implement temperature-controlled transport in logistics vans to maintain the freshness and safety of donated food during transit.	Design and deploy reward logic backend, mapping points based on consistency, quantity, and donor category, then reflecting points to user dashboards and generating certificates or badges.	Split logistics for donation and collection with scheduled time windows to avoid operational clashes.