



Project Status report

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Community & UN SDG(s):	Community: Regina Humane Society (RHS), Organizations Receiving Food from RHS, and Suppliers UN SDG Goals: Goal 2: Zero Hunger – Ensuring food is distributed efficiently to those in need. Goal 12: Responsible Consumption & Production – Reducing food waste and improving how resources are managed.
MVP #1	MVP 2: User Account Management & Request System Expansion
Sprint cycle dates:	Sprint Start: March 10, 2025 Sprint End: March 23, 2025

Project Name	FurFeast
Blurb	<p>Our project titled FurFeast seeks to improve and automate the food donation process for the Regina Humane Society (RHS). As it stands, RHS relies on the archaic method of manual tracking in spreadsheets, phone calls and paper logs, which is inefficient and not scalable.</p> <p>FurFeast aims to solve this problem by providing a centralized platform where:</p> <ul style="list-style-type: none">• RHS staff can manage food request and inventory in real-time.• Community organizations can submit pre-defined food requests through the web.• Suppliers can log food donations through the web eliminating miscommunication.• Reports can be generated which are accurate and aid in making decisions.
For Week Ending	March 24, 2025
Project Status	Yellow
Status Description	The team finished backend work for MVP-2 by building all user authorization routes along with request submission processes and admin request administration functions. Work packages regarding frontend UI construction and API delivery system integration have not received sufficient completion although they remain scheduled for completion during upcoming sprint cycle. The project stands at Yellow status because the complete end-to-end integration has not yet been achieved.
Activities—During the past sprint cycle	

- Developed backend for user registration, authentication, and profile endpoints.
- Implemented database models and API routes for request submission and request history.
- Created secure admin routes for reviewing, approving, and rejecting requests.
- Tested all MVP-2 backend modules in isolation (unit testing).
- Reviewed and refined the database schema to support upcoming inventory and reporting needs.
- Database schema updated to support user roles and request approval logs.
- Progressed the conference paper to 90% completion with detailed methodology, implementation, and system



analysis.

- Informed Rebecca Carson (RHS Representative) via email about our current development progress.
- Scheduled to provide her a live system demo in the upcoming week to gather feedback on the MVP-2 features.

Project Issues

- Frontend implementation fell behind due to tight timeframes and parallel backend restructuring efforts.
- Temporary misalignment between frontend data handling and backend data structures (being resolved through coordination).

Project Changes

- No changes

Activities—Planned for Next Week

- Complete UI development and integrate all APIs for MVP-2 (login, request submission, approval).
- MVP-3 implementation:
 - Structured reporting dashboard with downloadable reports.
 - Begin frontend and backend setup for analytics dashboard.
 - Connect inventory updates with donation submissions and request fulfillment.
 - Real-time inventory tracker with low stock alerts.
- Polish final content for IEEE paper submission and prepare final project demonstration.
- Internal demo and walkthrough for full MVP-2 and MVP-3 functionalities.

Reflection

We are progressing steadily and maintaining alignment with the original project scope. Completing the backend logic for MVP-2 was a key milestone and puts us in a strong position to implement the remaining UI and reporting features in the upcoming week. The conference paper is nearly finalized and reflects the technical and social value of our work. While we faced minor delays in integration, we are confident that our development plan and strong team collaboration will ensure timely project completion. The upcoming sprint will be our final push toward delivering a comprehensive, scalable food donation solution for RHS and potentially beyond.