



## Project Status report

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Community & UN SDG(s):	<b>Community:</b> Regina Humane Society (RHS), Organizations Receiving Food from RHS, and Suppliers <b>UN SDG Goals:</b> 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	<b>MVP 1: Initial System Setup &amp; Request Management</b>
Sprint cycle dates:	Sprint Start: February 24, 2025 Sprint End: March 09, 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"><li>• RHS staff can manage food request and inventory in real-time.</li><li>• Community organizations can submit pre-defined food requests through the web.</li><li>• Suppliers can log food donations through the web eliminating miscommunication.</li><li>• Reports can be generated which are accurate and aid in making decisions.</li></ul>
For Week Ending	March 10, 2025
Project Status	Green
Status Description	Current state of the project is satisfying since FurFeast MVP-1 is completed. With major backend modules fully developed, the front end is also integrated to the APIs. Basic manual testing has been done internally in order to check core functionalities. The system is set up and ready for incremental changes from user feedback.

### Activities—During the past sprint cycle

#### 1. Backend Development & Database Refactoring (Done by Mohammad Abbasi)

- Completed CRUD operations for key modules: Inventory, Donation, Supplier (formerly Donor), Handout Organization (formally Community people).
- Database refactored and migrated according to updated requirements.
- Added Exception Handling and Error Logging mechanisms.
- Replaced "Donor" with "Supplier" system-wide (per RHS feedback).
- Started Function Documentation (Ongoing).
- Initiated Swagger API Documentation (in progress).
- Removed expiration date from Inventory as per RHS request.



## 2. Frontend Development & UI (Done by Savan Pedhadiya)

- Enhanced UI design, including Dark/Light Mode for improved accessibility.
- Integrated backend APIs with frontend for Inventory and Request management.

## 3. Research & Documentation (Done by Aliasgar Mithawala)

- Worked on conference paper, focusing on literature review and background research related to food donation systems.
- Compared FurFeast with existing food donation management platforms (e.g., PantrySoft, MealConnect), identifying unique benefits tailored for RHS.

## 4. Team Meeting with RHS (Rebecca Carson)

- RHS needs multi-admin support.
- New logging system required for tracking internal actions.
- "Donor" officially renamed to "Supplier" across all documentation and system.
- Inventory adjustments: Removal of expiration dates, addition of "Miscellaneous" category (toys, collars).
- Reports: Admins need detailed reports for approved requests and pickups.
- Editable forms: Admins require functionality to edit submitted forms.
- Low stock alerts finalized (e.g., 32 kg for dog food, 16 kg for cat food).

## Project Issues

**Backend changes:** Matching RHS changes like Donner to Supplier, Community people to Handout Organization, removing expiration dates, etc., slowed down the project because of constant changes to the schema and code.

## Project Changes

FurFeast is the new name for the project due to copyright notice from another company.

## Activities—Planned for Next Week

- **Start MVP-2 development:**
  - Implement authentication system with JWT-based login.
  - Add multi-admin support.
  - Develop user dashboard for suppliers and community organizations.
- **Continue API development and validation:**
  - Add and manage suppliers' accounts.
  - Refactor donation tracking to align with RHS-specific terminology and workflows.
- **User testing and feedback:**
  - Gather feedback from RHS staff for improvements.

## Reflection

We're happy to announce that our team has successfully completed the MVP-1, and the system works fine for food request and donation management. Despite this, working with RHS allowed us to understand that there were other needs, such as multi-admin access and a logging mechanism system wide, which we had to change the backend structure to accommodate.



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A second important change was imposed by RHS's updates of real-world processes like removing food expiry tracking and restructuring of inventory categories. As a result of these updates, a move to a better database and better code happened. As they were time consuming, they were essential to try and make sure that FurFeast was not only perfect, but perfect for RHS's operational needs too.

But, as we move to the MVP-2, our goal will be on user authentication, logging and provide secondary system access to both buyers and providers. We are looking forward to the next phase to make collaboration smoother between stakeholders and to make this platform a viable solution to the management of community food donation.

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