# Pet Inventory Project MVC Design Review

**Date/Time:** July 24, 2025, 19:22 EDT

## Overall Summary

The team presented their pet inventory project designed with an MVC architecture, featuring cats and dogs with sorting, filtering, and search capabilities. The mentor provided detailed feedback on improving the MVC design, especially on separating the program runner from the controller and using interfaces to restrict data access. Task division and use of AI for data generation were also discussed.

## Key Points

- The project includes a GUI for listing, sorting, filtering, and searching pets, with separate classes for model, view, and controller components
- The team plans to use interfaces like ReadInventory to allow safe read-only access from the view to the model
- Mentor suggested separating the main method (program runner) from the controller for better MVC design
- Task division is based on MVC roles: one for design/view, one for model, one for controller, with shared tasks for UML, testing, and documentation
- AI tools like ChatGPT are used for planning and generating synthetic data for testing

## Action Items

- Team to finalize and lock down the MVC design and interfaces before implementation
- Each member to develop their assigned MVC component independently, coordinating on interfaces
- Use AI-generated synthetic data to create unit tests for the pet data

## Open Questions

- Clarification on the program runner concept and its implementation in the project
- How to best handle integration and communication between the controller and view components
- Scheduling and coordination for future team meetings and collaboration