Project Summary

This program was designed for Chada Tech, a software engineering company that specializes in custom software design and development for both domestic and international clients. As part of their interview process, candidates are asked to complete a coding skills test to demonstrate their ability. This exercise simulates a real-world problem a junior developer might face, providing an opportunity to showcase programming capabilities.

What did you do particularly well?

The project was organized particularly well. Each of the classes was separated into header and source files, demonstrating good structure and modular design while maintaining functionality across the C++ implementation.

Where could you enhance your code?

An improvement could be the addition of a display showing tracking numbers when entering a new one. This enhancement would help users verify whether a tracking number already exists and which animal it's associated with when an error occurs, increasing both usability and data integrity.

Did you find writing any piece of this code challenging, and how did you overcome this?

There were challenges, but they were overcome by leveraging external resources such as tutorials and forums on CPlusPlus.com and Stack Overflow. These platforms provided examples and explanations to help work through difficult coding scenarios.

What tools and/or resources are you adding to your support network?

Online programming forums like Stack Overflow and CPlusPlus.com are now part of the support network, along with peer and colleague collaboration.

What skills from this project will be particularly transferable to other projects and/or coursework?

The skills of implementing C++, managing file I/O, and organizing code with source and header files are directly transferable to future projects and academic coursework.

How did you make this program maintainable, readable, and adaptable?

The program was made maintainable and adaptable by using clear notation, separating classes into individual source and header files, and writing clean, readable code throughout the project.