

Introduction

Pet Guardian is a web application aimed at simplifying pet health management. It provides tools for tracking medication schedules, accessing nearby veterinarians, and learning best practices through a comprehensive article library.

Problem Statement

Pet owners often struggle to keep track of their pet's health information, such as vaccination schedules, bloodwork data, and medication routines. Additionally, finding trustworthy veterinary services nearby and staying informed about pet wellness can be challenging. Pet Guardian addresses these issues by offering a centralized, user-friendly platform.

Verification

Pet Guardian was tested on multiple devices for compatibility and responsiveness. We used Postman to validate API routes and performed regression testing after each sprint to ensure all features worked.

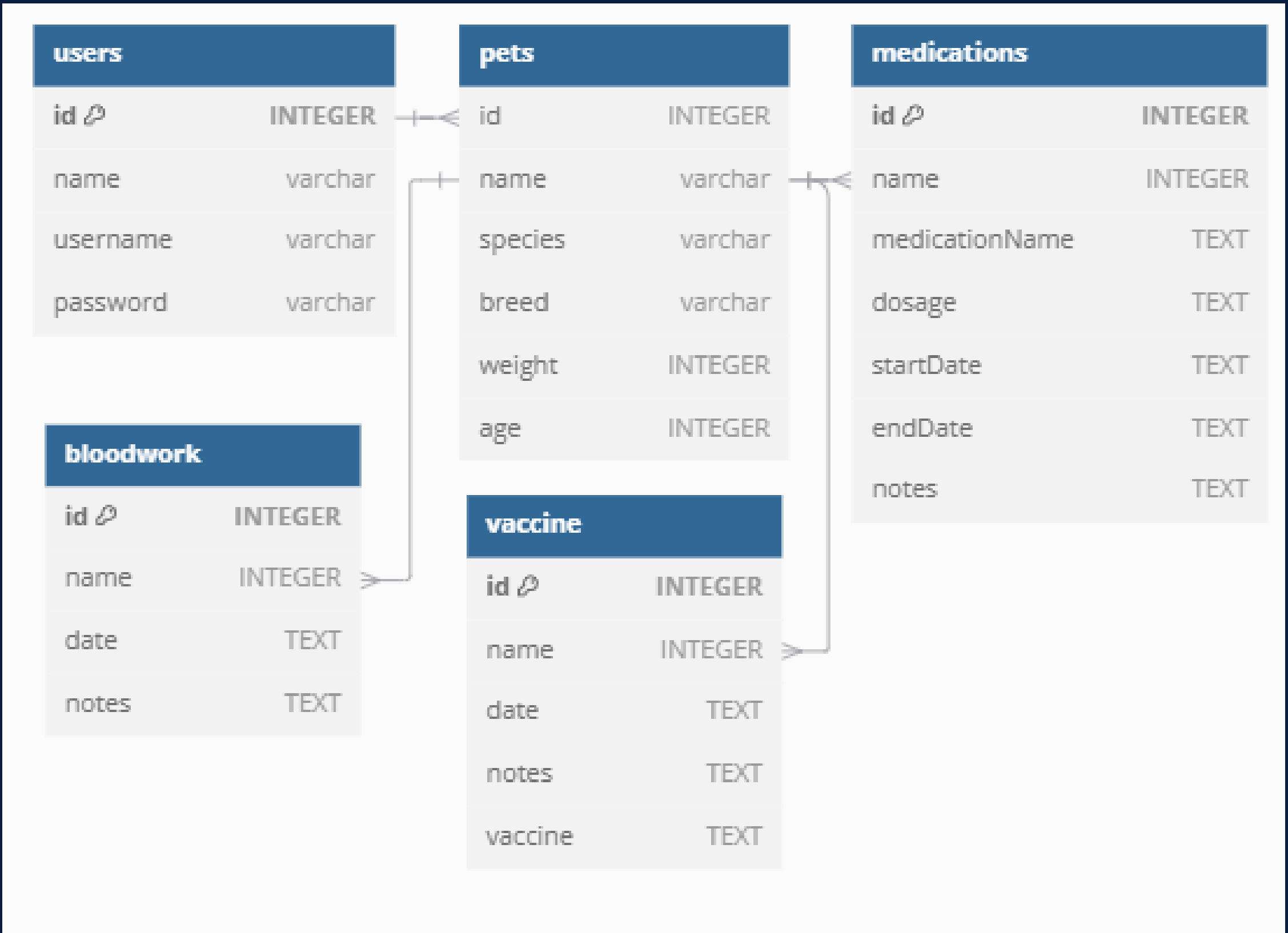
Current Systems

Current solutions are fragmented, requiring pet owners to track vaccines on one platform and manage dates on another, making health management inefficient and inconvenient.

Individual Contributions

I designed and implemented the database using SQLite to store and retrieve medical data such as vaccines, medication routines, and bloodwork. I also developed the API routes using Express to handle data interactions between the database and the frontend. On the frontend, I built the medical section components using React, ensuring a user-friendly interface for logging and viewing pet health records.

Object Design

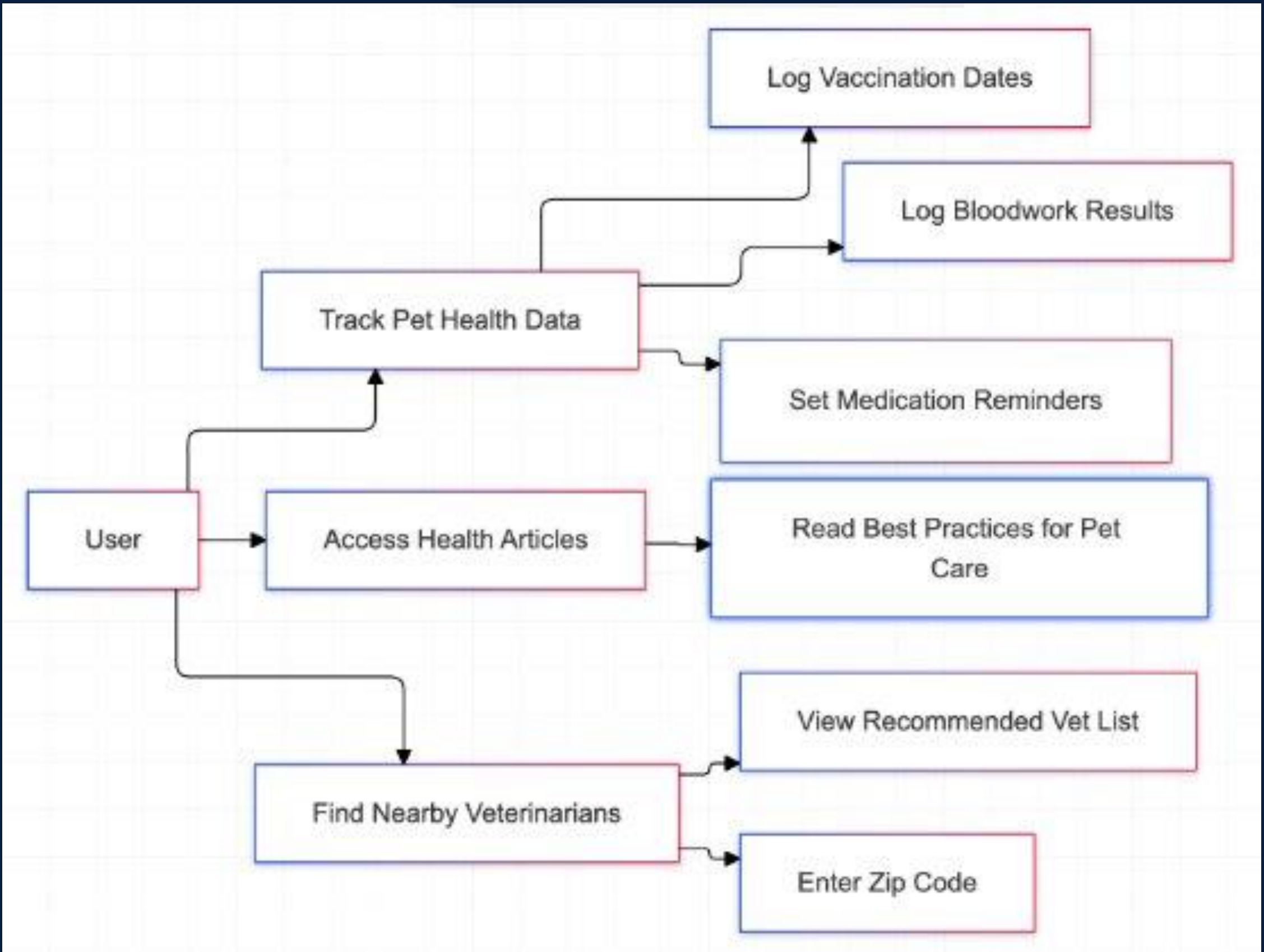


Implementation

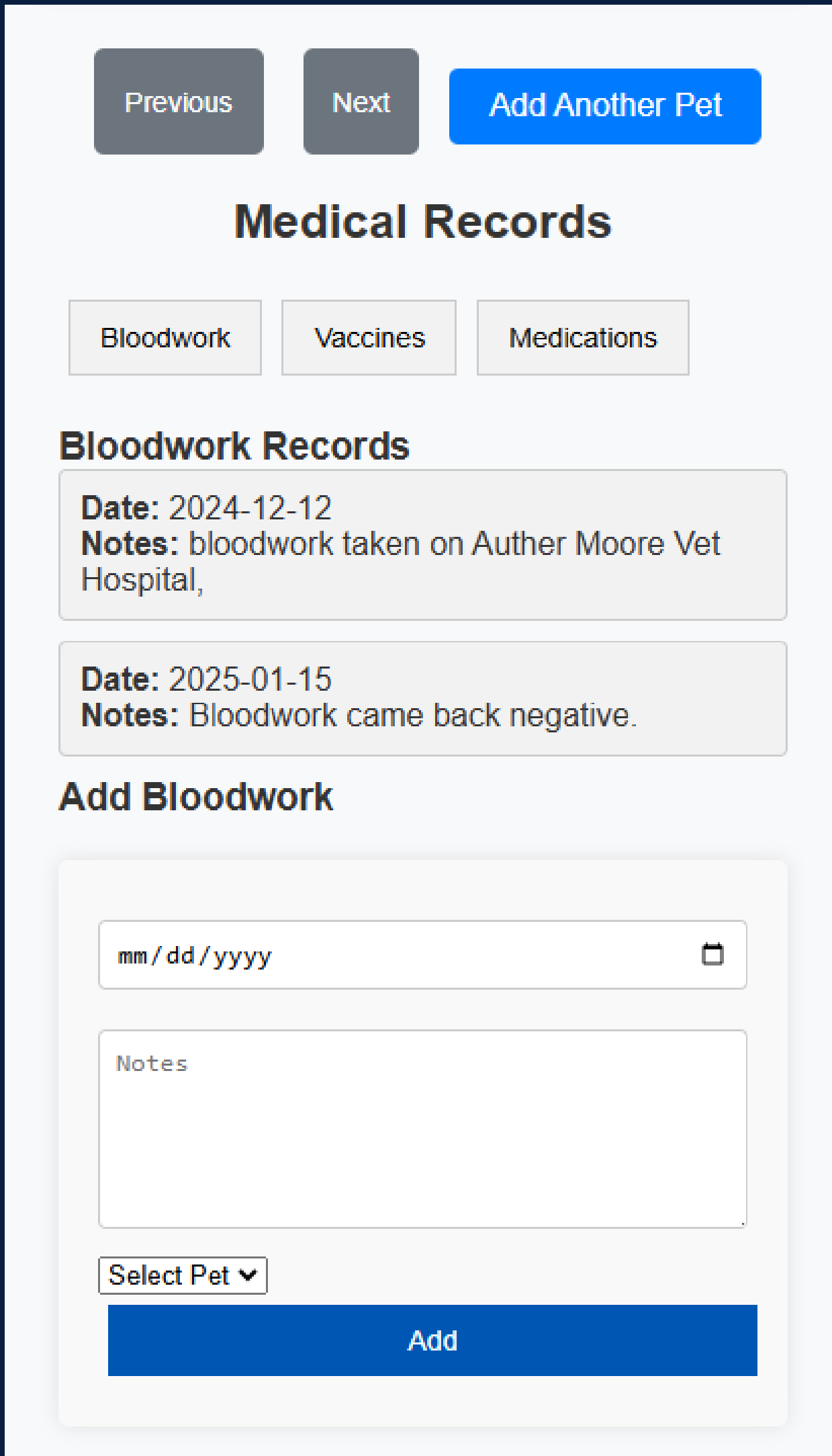
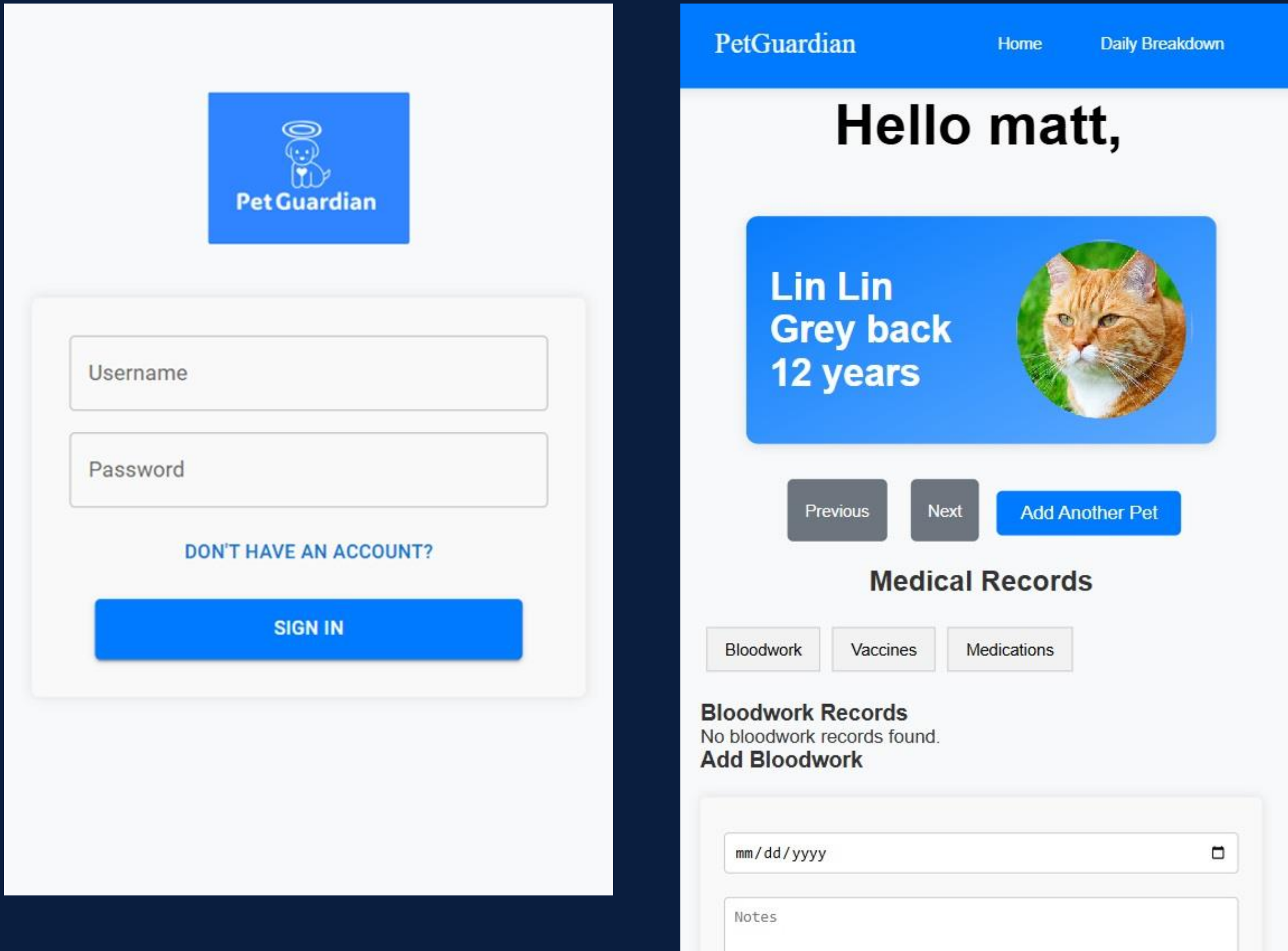


Summary

Pet Guardian simplifies pet health management by unifying key features like medical tracking, vet location services, and wellness resources into a single platform. It eliminates the need for multiple tools, offering a user-friendly solution for managing all aspects of pet care efficiently.



Screenshots



Requirements

- Users shall be able to add, update, and delete pet profiles.
- Users shall input and track bloodwork, medication routines, and vaccines for their pets.
- Users shall input a ZIP code to find nearby veterinary clinics.