SAFE PAWS

TEAM FOXTROT

INTRODUCTION

Nathan Phan

Sensors

Victor Gonzalez

Communications

Terry Jenkins

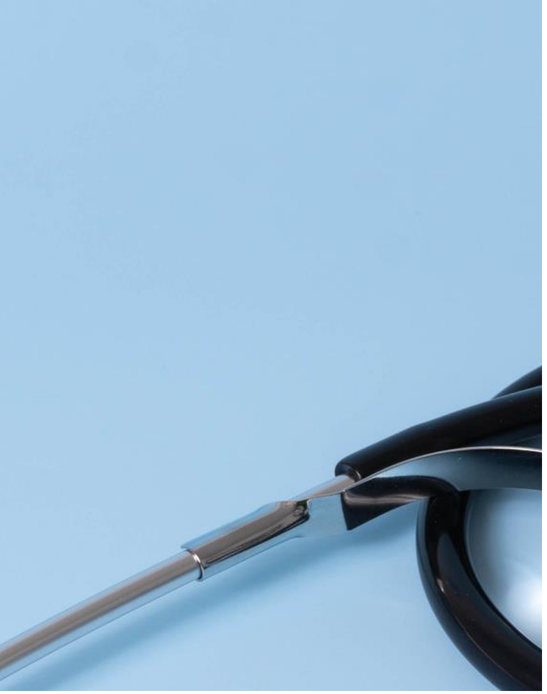
Data Systems

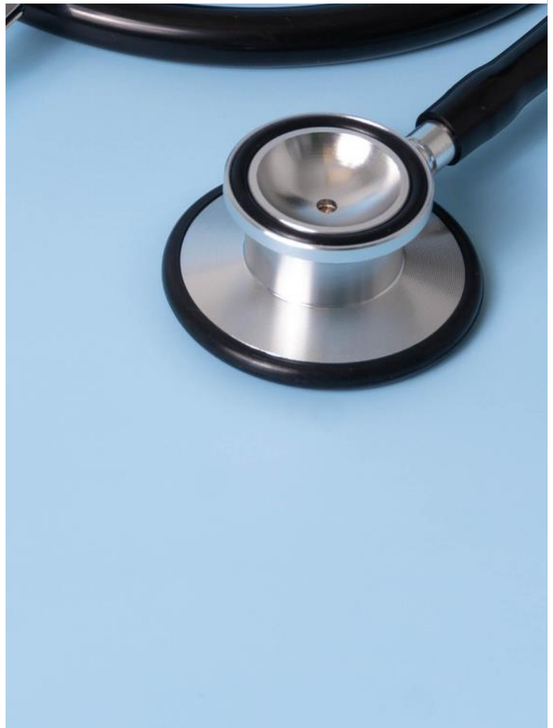
Clayton Lott

Power Systems

DeArirreis Vance

Software





PROBLEM STATEMENT

Assessing your pet's health and well-being can be a difficult task. Especially after your pet has surgery, a chronic illness, old age, or simply high physical activity. Pet owner's need faster and simpler ways to monitor their pet's health.

TARGET AUDIENCE

- Pet owners that need their pet's vitals to be monitored for a period of time.

- Veterinarians who need to monitor animals while they are away.

SOLUTION

Our solution is a smart device that connects you to your pet's health and well-being. The goal is to allow for real-time data collection on heart rate, body temperature, and activity. This offers a better view of their well-being. We hope to have the consumer receive alerts and notifications through an app, staying connected remotely to their pet’s health.

HIGH-LEVEL PROJECT DESCRIPTION

For this project we will be using heart rate sensor, temperature sensor, oxygen sensor, dog vest, and a basys board. One problem we could face is getting the wires and sensors in a safe spot so that they will not cause a malfunction through normal wear and tear.

COMPETITIVE ADVANTAGE

Our design, compared to our competition, will be lighter, cheaper, and safer for pet's. Allowing the owner to not worry about prices and the health of their pet.