



PETRY

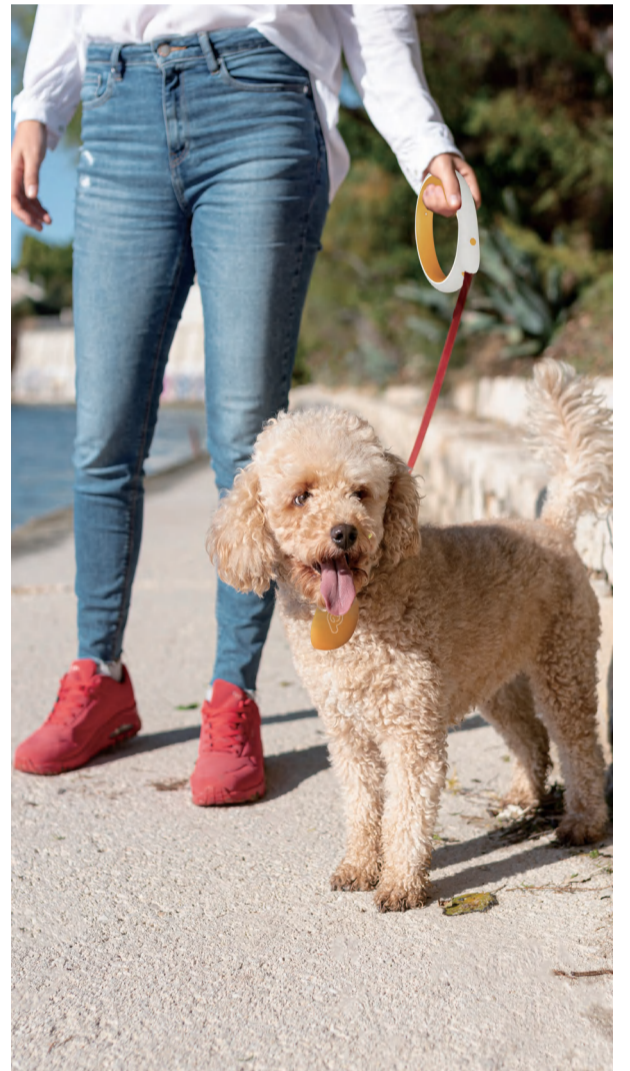
A Human-dog Sports Health Balance System

Spending Quality Time Together

The inspiration for the PETRY project comes from the increasing concern for the well-being of pets in today's society. Pet ownership is becoming more common, but many pet owners struggle to provide their pets with the exercise they need to maintain a healthy and happy life. We recognize the importance of exercise for pets and understand that many pet owners are looking for ways to ensure their furry companions are getting enough physical activity. The PETRY project was created to bridge this gap by providing a convenient and accessible service that connects dog owners with dog walkers.

INTRODUCTION

The PETRY project aims to help dog owners who struggle to provide their pets with sufficient exercise. The service connects dog owners with dog walkers, promoting the health and well-being of both parties through shared activities. PETRY uses an intelligent matching system to recommend the most suitable walker and offers products to enhance interaction between the owner and the walker. The platform also enables users to book companionship exercises and community pet parties, making it a comprehensive C-to-C product service system.



DETAILS

Icon Styles: Iconsax Icon Set by Iconduck

Text Styles: Quicksand

Title 1 (Bold, 36px)

Title 2 (Bold, 24px)

Heading 1 (Bold, 20px)

Heading 2 (Bold, 16px)

Text (SemiBold, 14px)

Small Text (SemiBold, Medium, 12px)

Color Styles:

Main Orange

FF8A01 FFA400 FFBB40 FFE8C0 FFF2DC

Sub Green

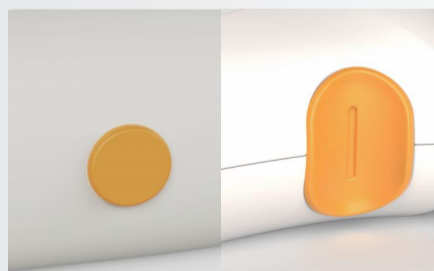
71E3D7 A1E4DD DCF9F6

Sub Brown

8B4513 A65000

Grey Scale

000000 636363 7C7C7C D1D1D1



1. BUTTON AND BUCKLE

People can plug the socket and pop up the leash by pressing a button. The pop-up design allows people to choose and install a leash suitable for their own dogs according to their own needs.



2. HANDLE

On the inside of the handle adopts the form of a reasonable ergonomic curve to improve the user's dog walking experience and effectively exert force to avoid weaning.



3. TAPE LIGHTS

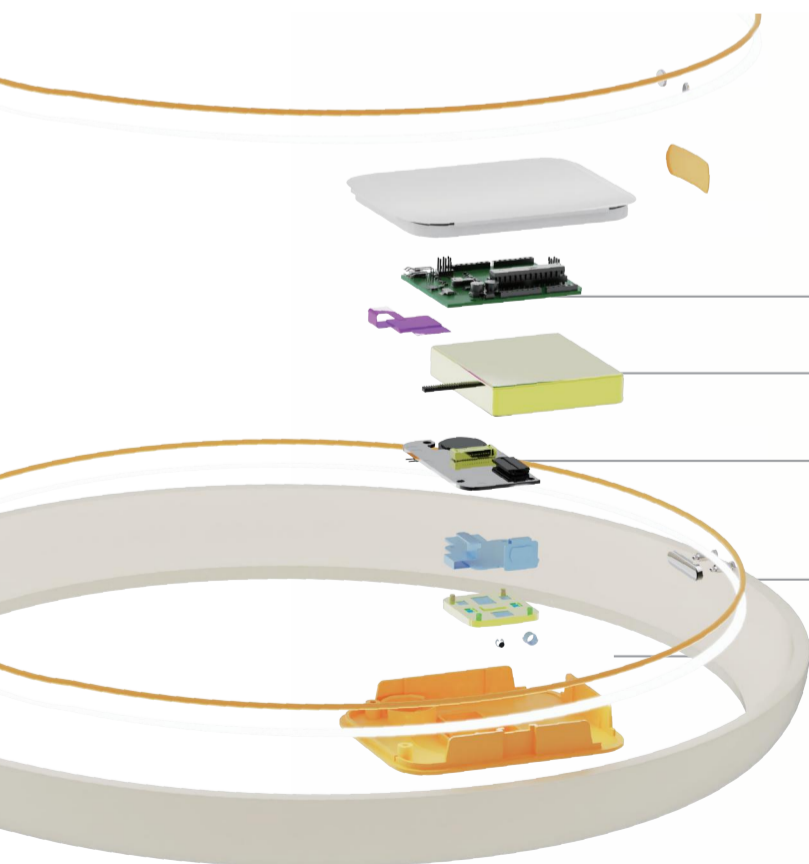
The front and back of the bracelet have a led lamp belt, through which the dog walker is reported, so as to better ensure the safety of both parties

CMF



The PETRY project's design incorporates a modern and sleek appearance with a vibrant color scheme to appeal to pet product users. It offers a range of colors for a personalized experience. The materials selected for the product are both durable and lightweight, providing optimal comfort and functionality for dog owners and walkers. Overall, the combination of the striking color scheme and the sleek appearance, along with the approachable design, perfectly meet the needs of the PETRY project's users.

Exploded view

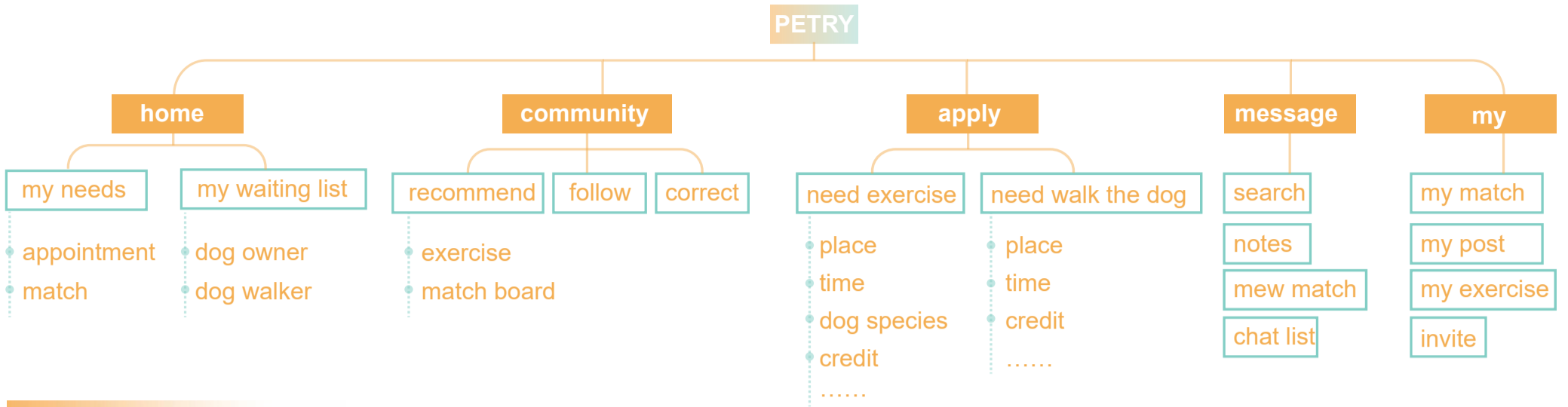


- Battery
- Circuit Board
- Electric Motor
- Sensor
- LED
- **GPS communication positioning module:**
Locate the dog walker
- **Bluetooth communication module:**
Connect the dog walker's mobile phone
- **Control integrated chip:**
communicates with mobile phone

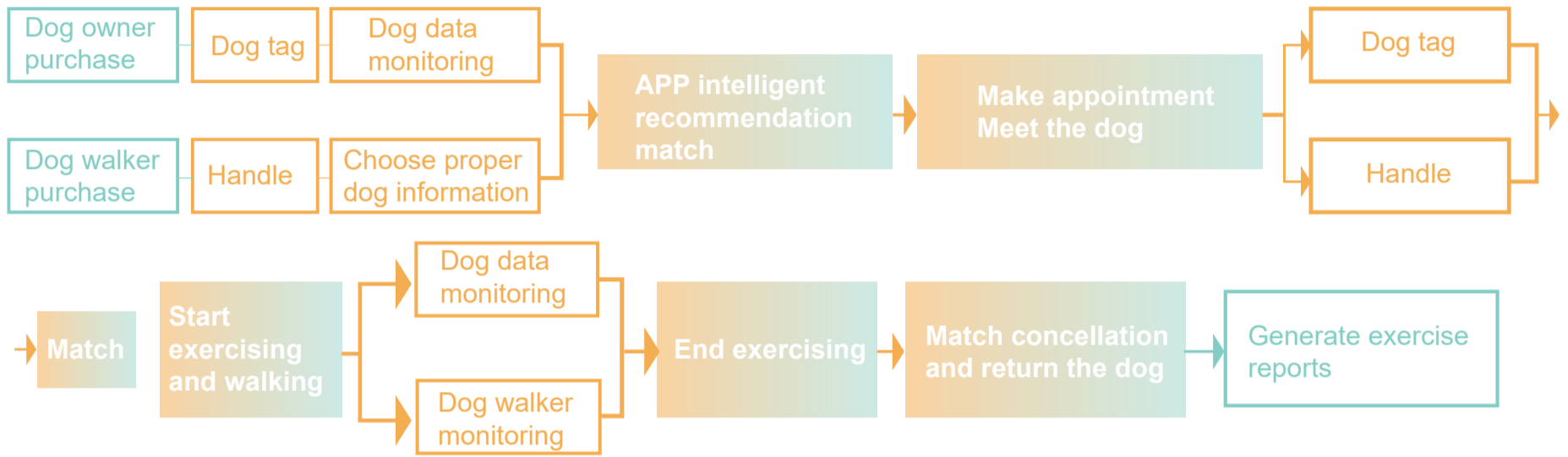


The light bands on both sides of the handle change color according to the heart rate. When the heart rate of the dog or the person walking the dog is too high, the light bands will change color to remind the person walking the dog.

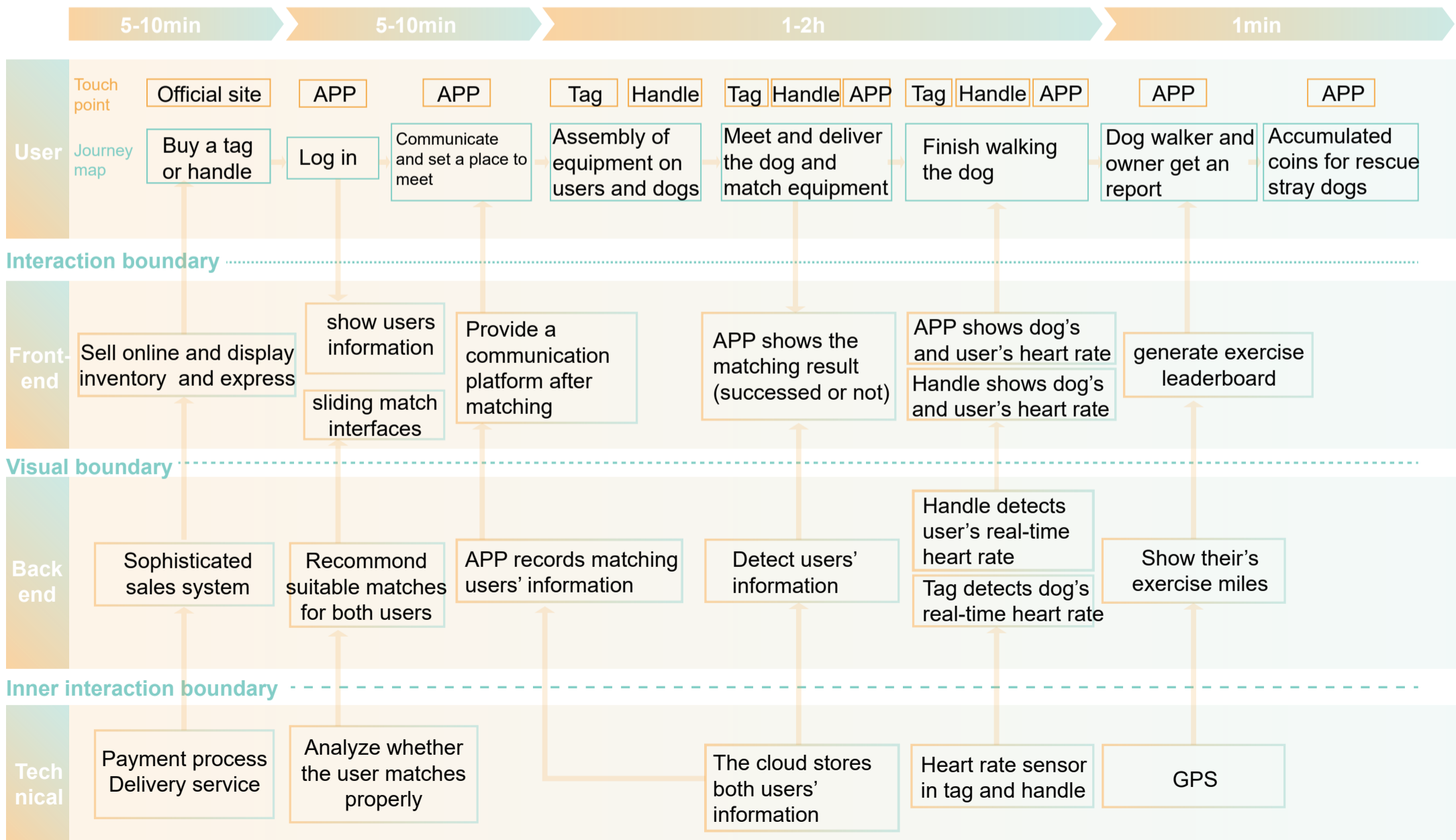
APP INFORMATION STRUCTURE



USING PROGRESS



SERVICE BLUEPRINT



Storyboard



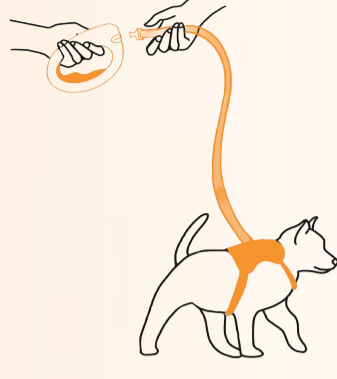
Post Request

The dog owner creates a post requesting a dog walker, specifying the date, time, location, and any special requirements for the dog.



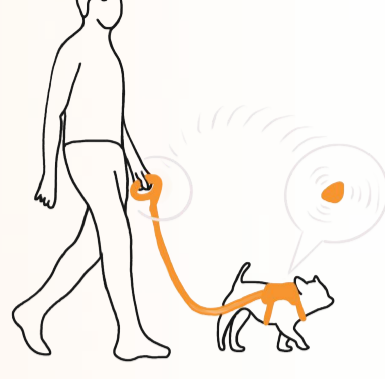
Matching

The app matches the dog owner with a suitable dog walker based on location, and other relevant factors. Once a match is made, the dog owner and walker are notified.



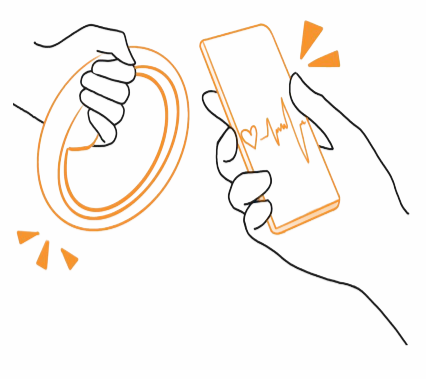
Handover

The dog owner and walker meet at the designated location, and the dog is handed over to the walker. The owner can confirm the handover through the app.



Dog Walking

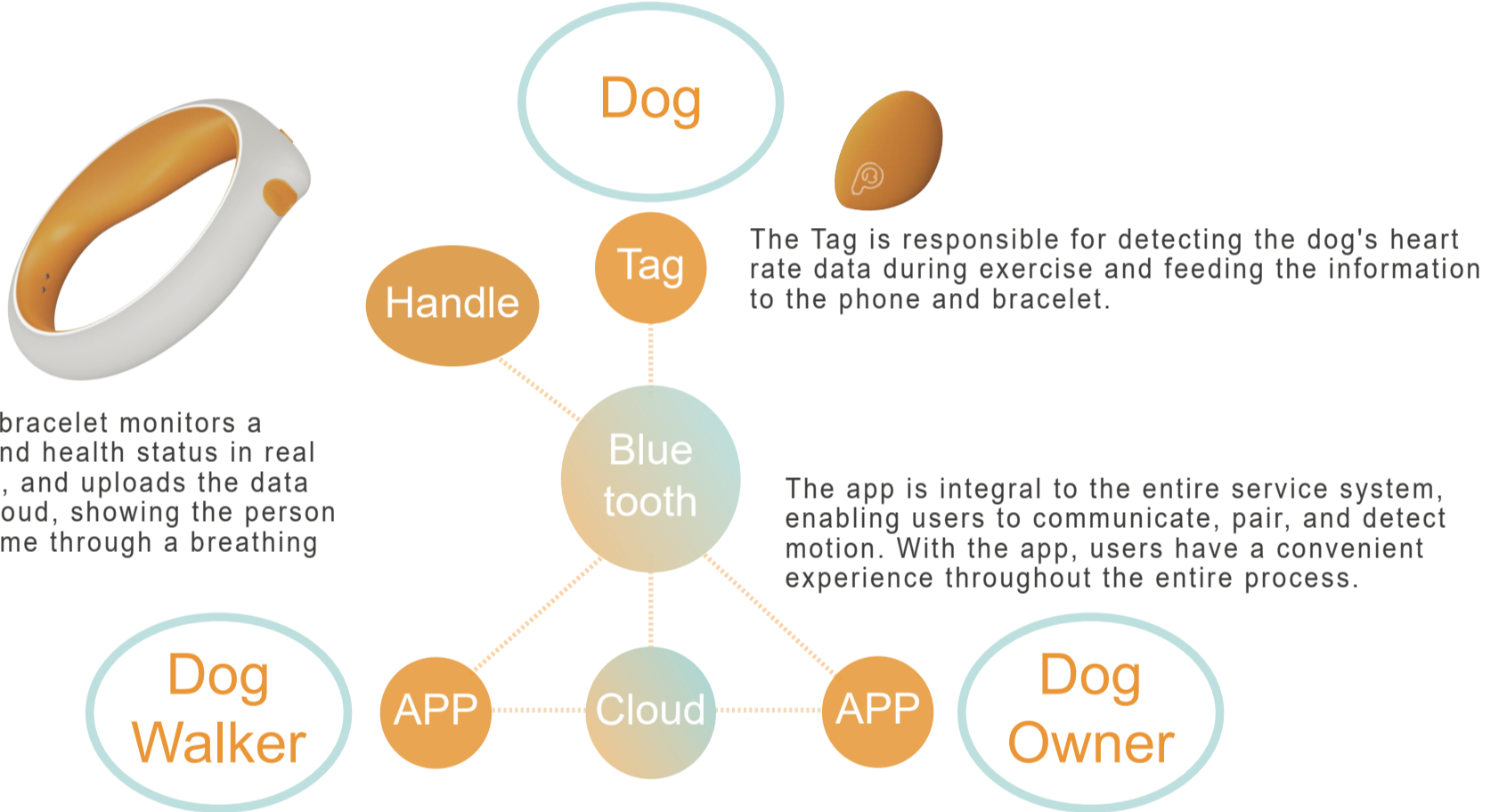
The dog walker takes the dog for a walk or run, following the pre-arranged instructions from the owner. During the walk, the walker can use the app to send updates and photos to the owner.



End

Once the walk is complete, the walker returns the dog to the owner and confirms the end of the activity. The app generates an exercise report, which is shared with the owner and walker.

Software & Hardware



UI Design





Design Challenge

During the design process, our team aimed to promote human and dog health by creating platforms that facilitate connections between dog owners and dog walkers. By focusing on the needs of busy pet owners and providing a solution that promotes regular exercise and physical activity for dogs, we developed a unique approach that emphasizes the health and well-being of both dogs and humans.

