

# Doggo

Mobile Application for Dog Owners

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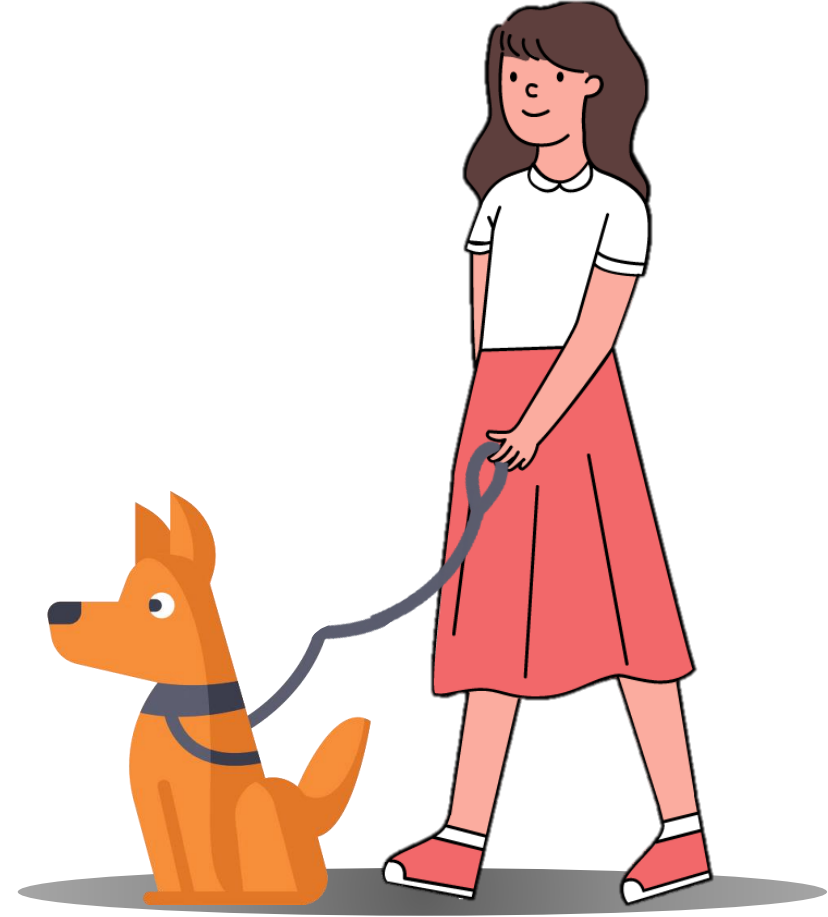
# Why Doggo?





# The Problem

- Tracking dog's activities
- Dog's safety
- Socialize with other dog owners
- All in one platform



# Our Solution

Your Dog's Collar



IoT Device

Mobile Application



# Main Features



**Fitness tracking**



**Dog-Friendly places**



**Information Management**

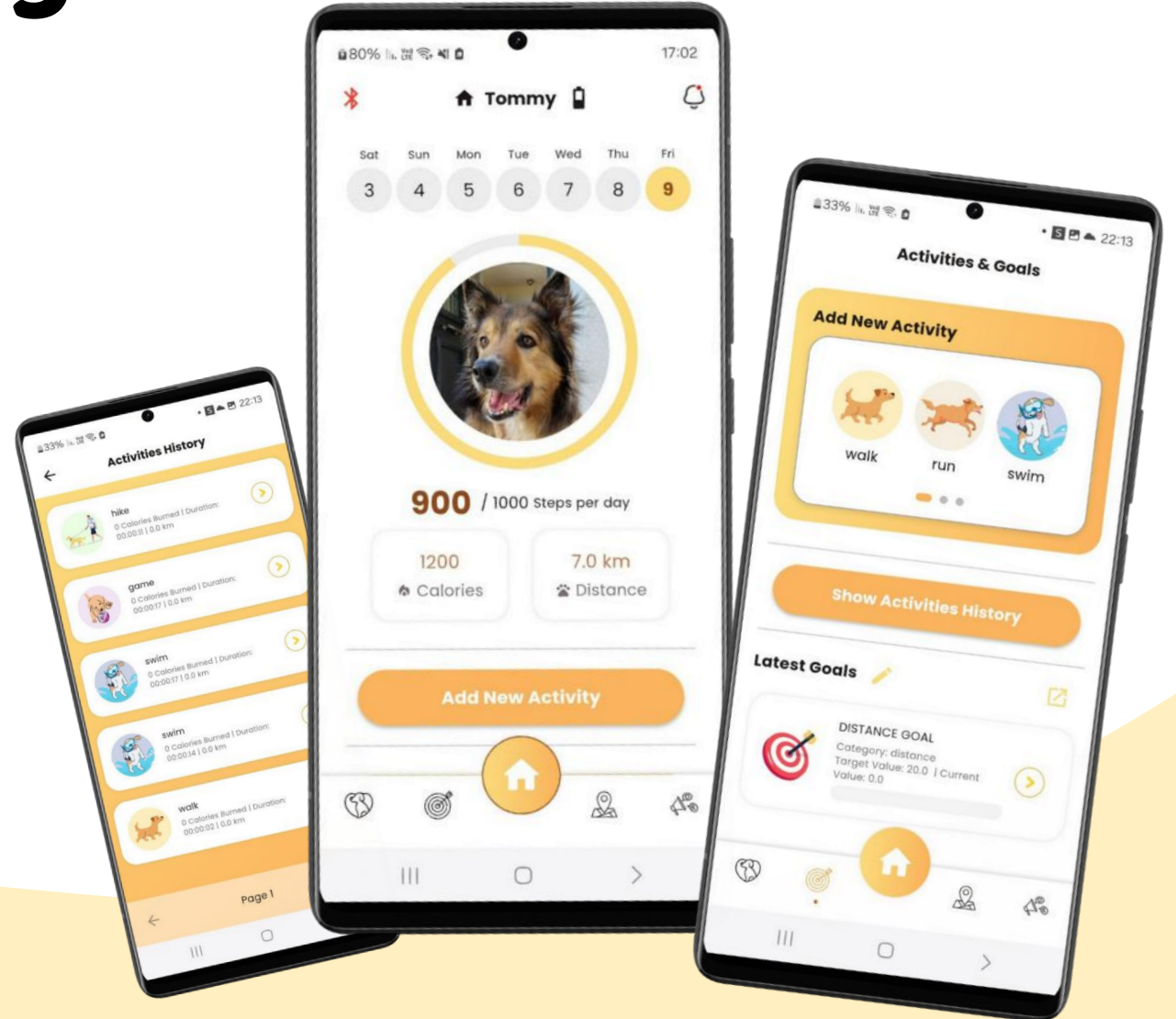


**Social Networking**



# Fitness Tracking

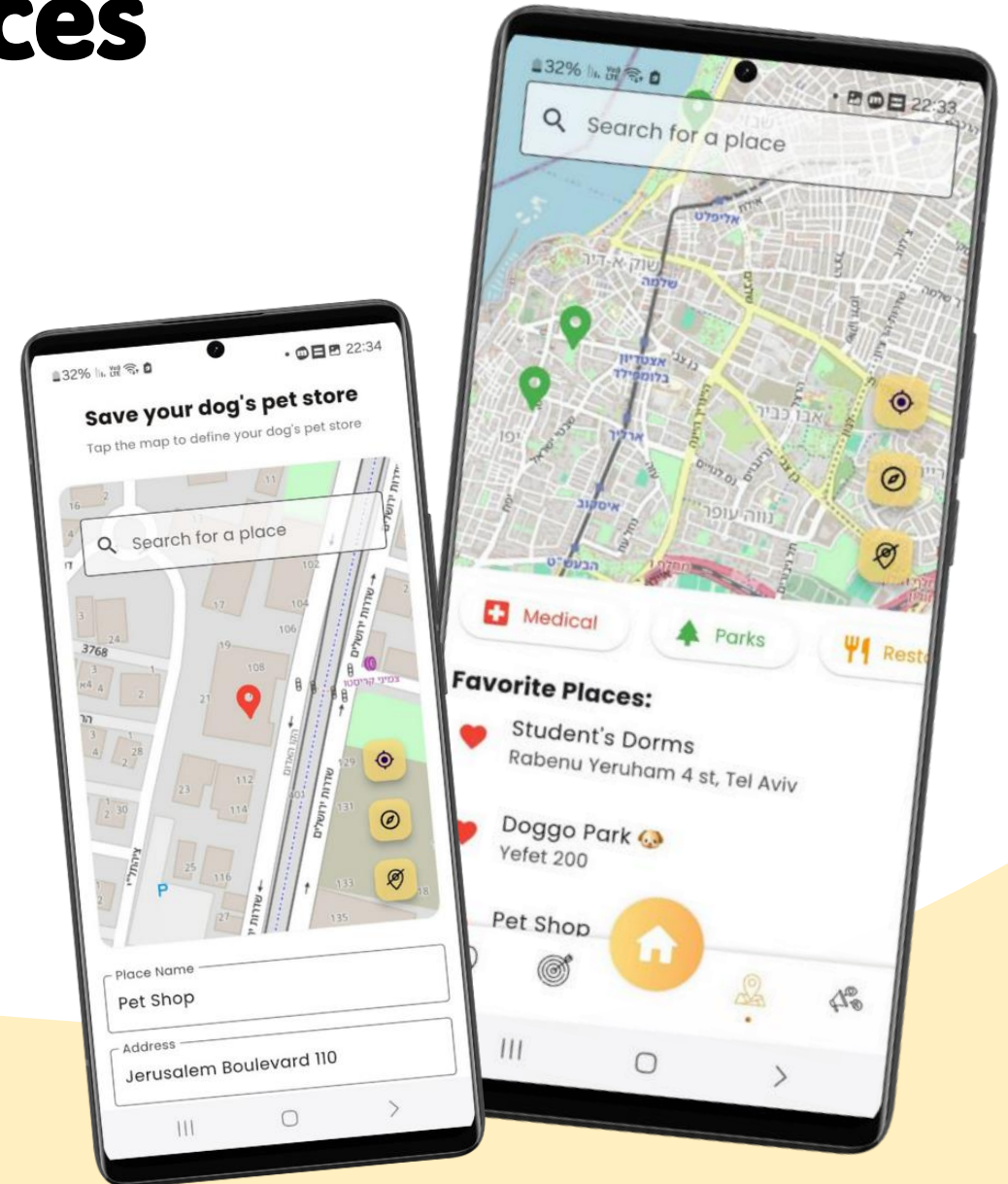
- Tracking daily steps, distance & calories burned
- Activities
- Goals





# Dog-Friendly places

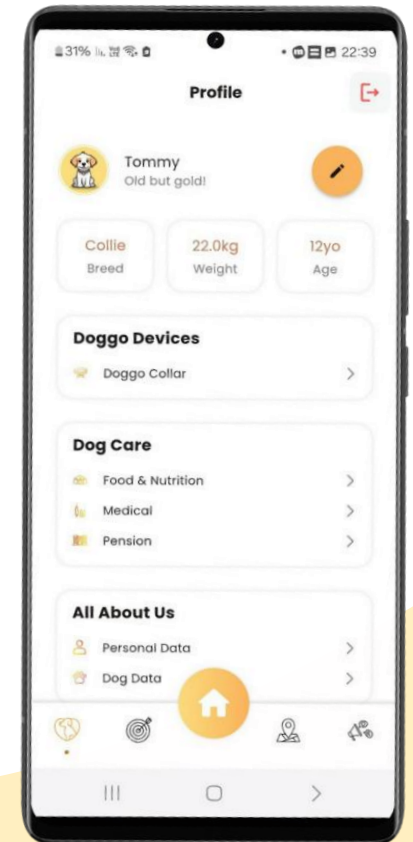
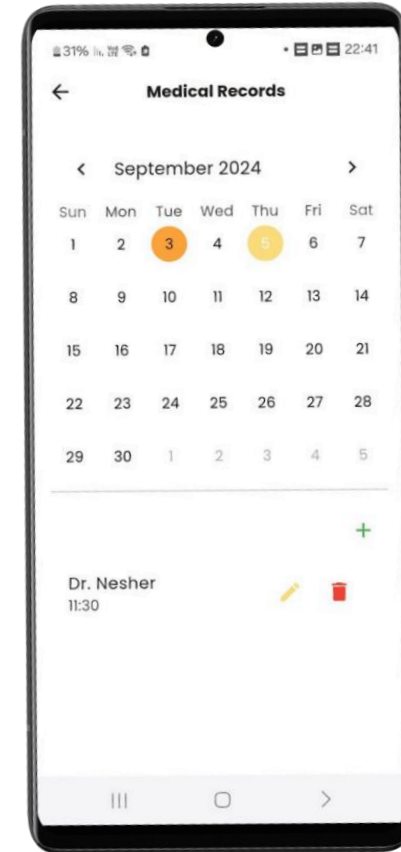
- Open Street Map (OSM) API
- Useful recommended places
- Favorite places





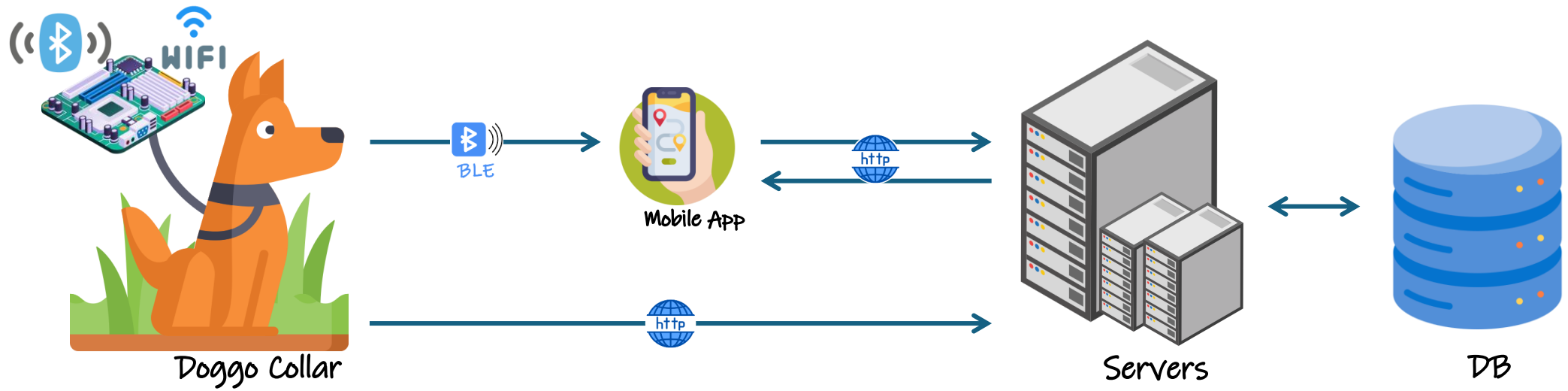
# Information Management

- Dog's basic profile
- Medical records
- Food & nutrition
- Pension & vet information





# Technical Architecture



# Technology Stack

## Embedded

Arduino Board

Arduino NANO 33 – IoT

Charged Battery

Language: C++

IDE: Arduino IDE



## Mobile

Language: Dart

Framework: Flutter

Mobile Application:

Android



## Backend

Language: Python

Framework: Flask

Architecture:

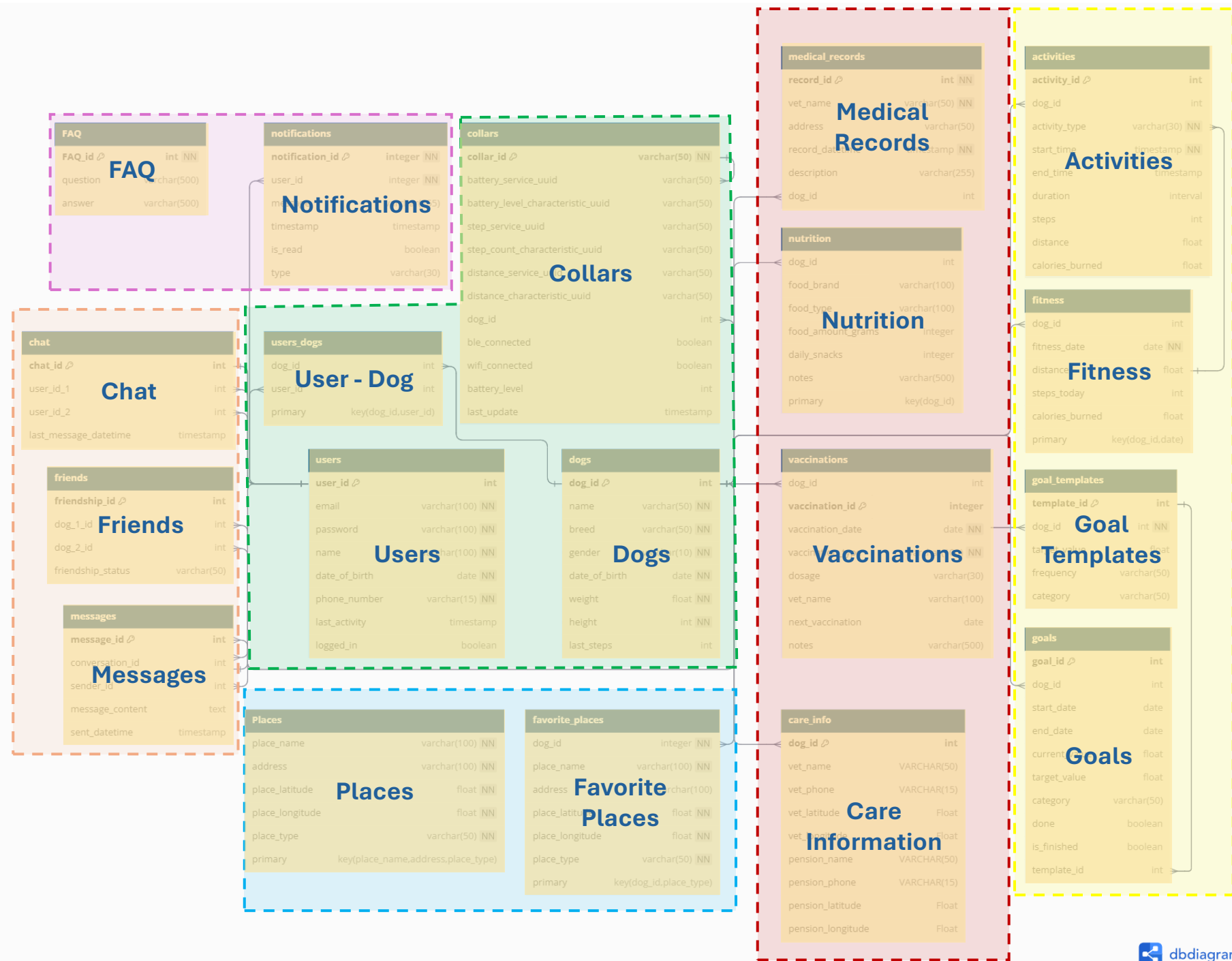
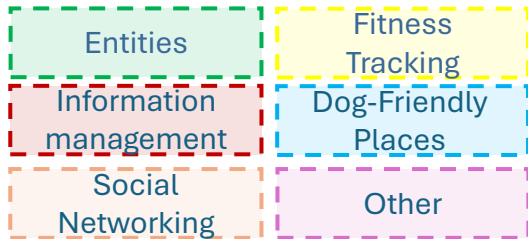
Monolith



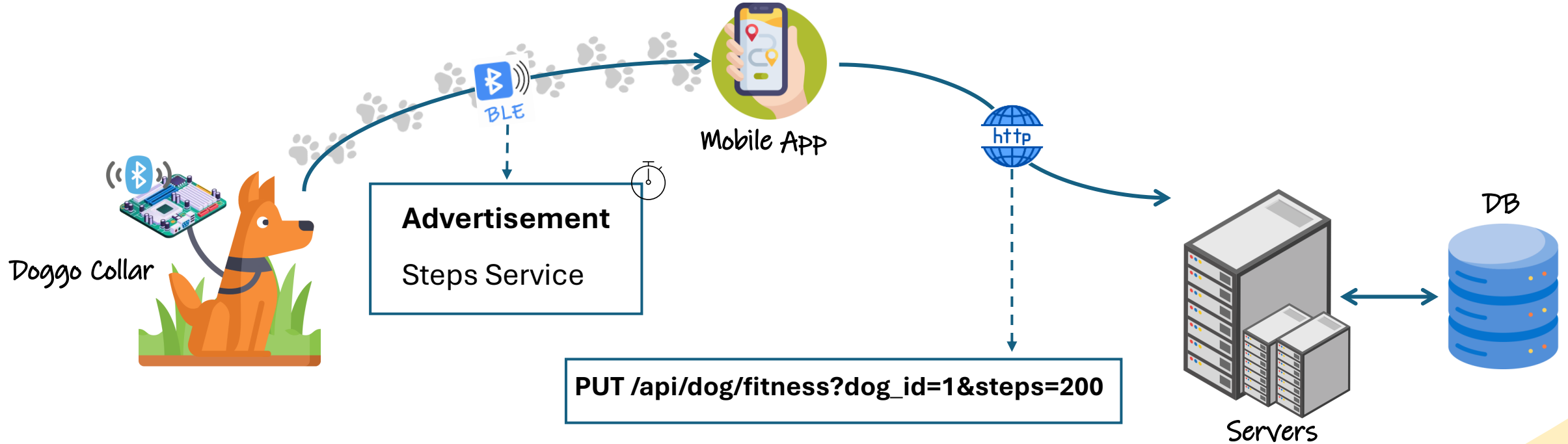
# Database Architecture



PostgreSQL



# Endpoint Example: Steps Update







Scan me!



# Thank For Listening!



**Questions?**

