

# Doggo

Mobile Application for Dog Owners

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# Topics



The Problem



Our Solution



Main Features



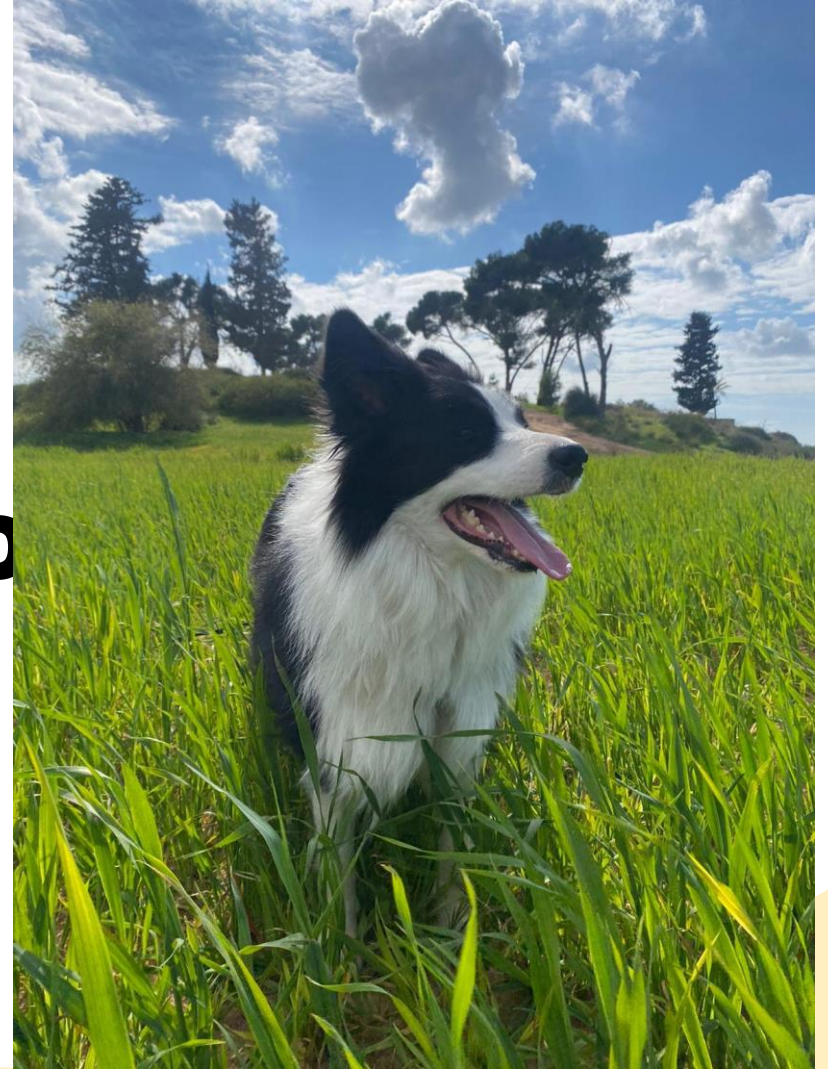
Technical  
Architecture



Technology Stack



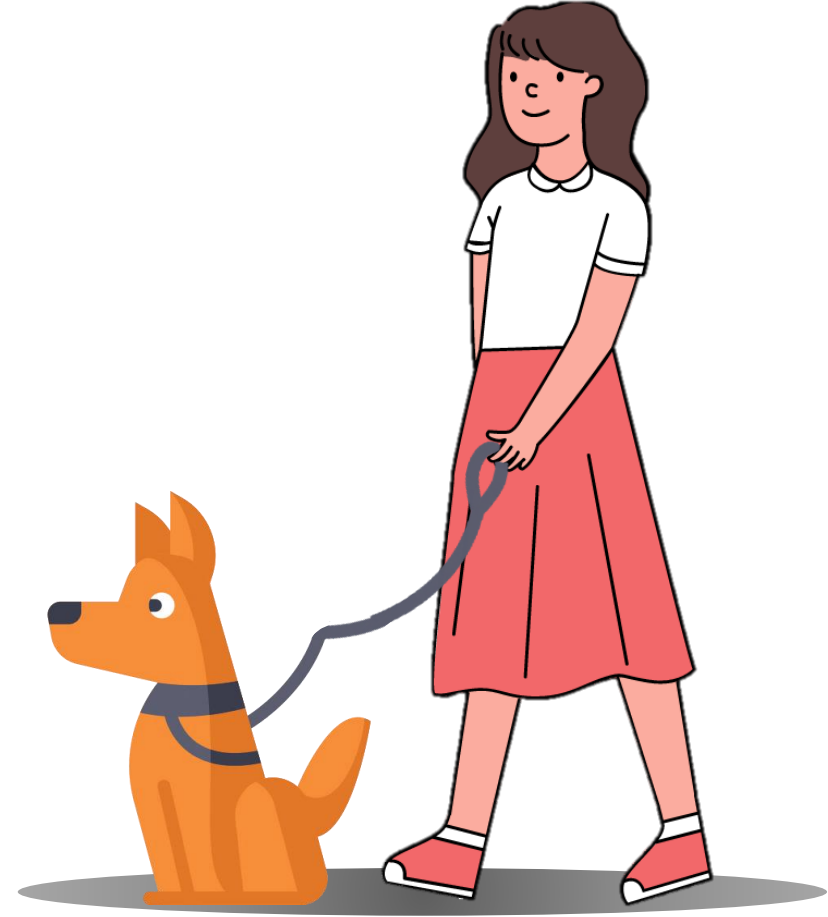
Project Status &  
Demo





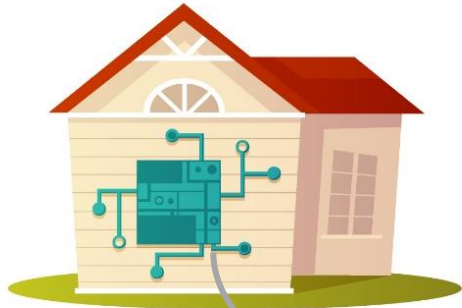
# The Problem

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



# Our Solution

Home Station



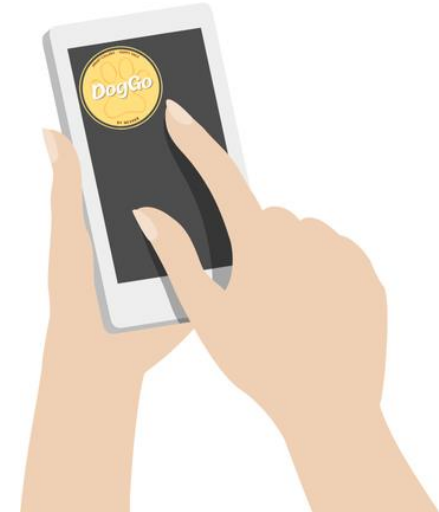
IoT Device

Your Dog's Collar



IoT Device

Mobile Application



# Main Features



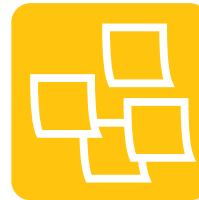
**Fitness  
tracking**



**Dog-Friendly  
places**

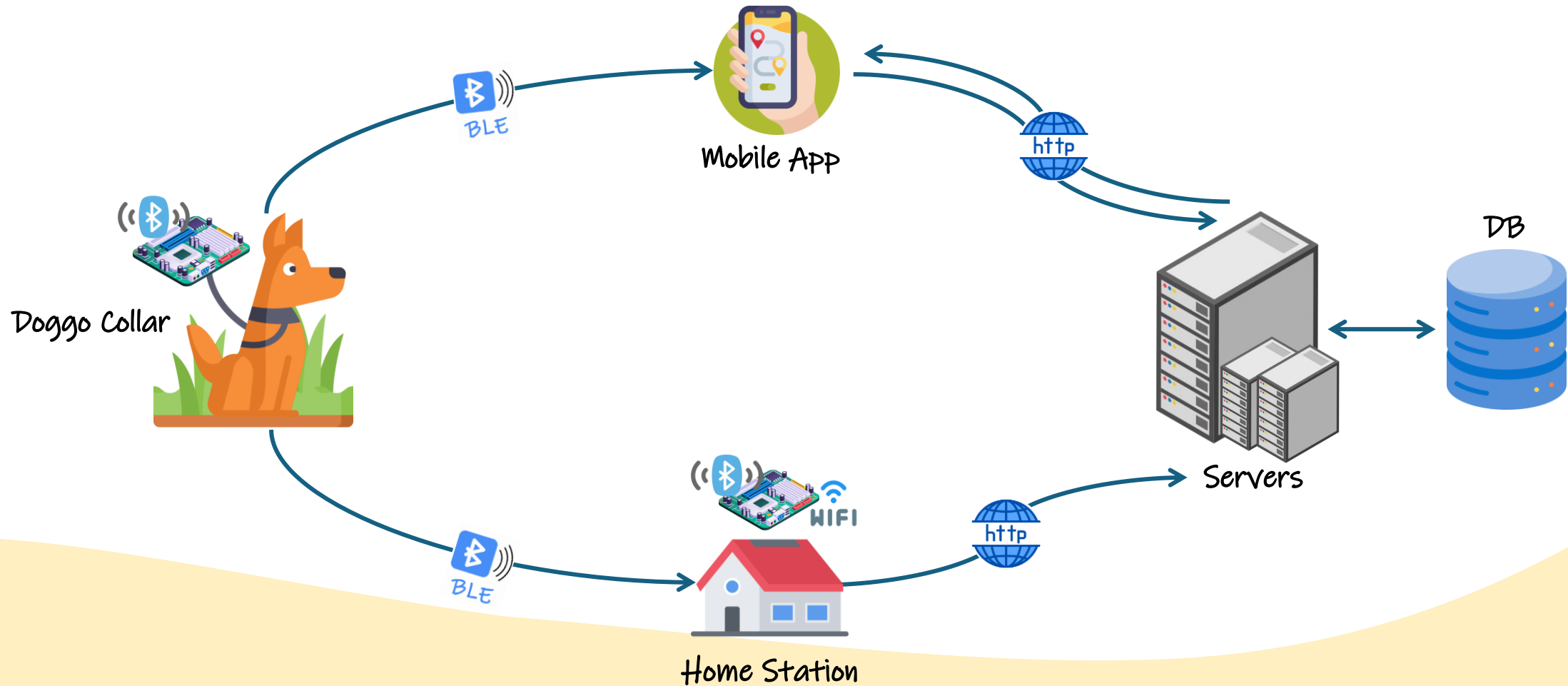


**Social  
Networking**



**Information  
Management**

# Technical Architecture



# Technology Stack

## Embedded

2 Arduino Boards

Arduino NANO 33 – REV2

Arduino NANO 33 – IoT

Language: C++

IDE: Arduino IDE



## Mobile

Language: Dart

Framework: Flutter

Mobile Application:

Android



## Backend

Language: Python

Framework: Flask

Architecture:

Monolith

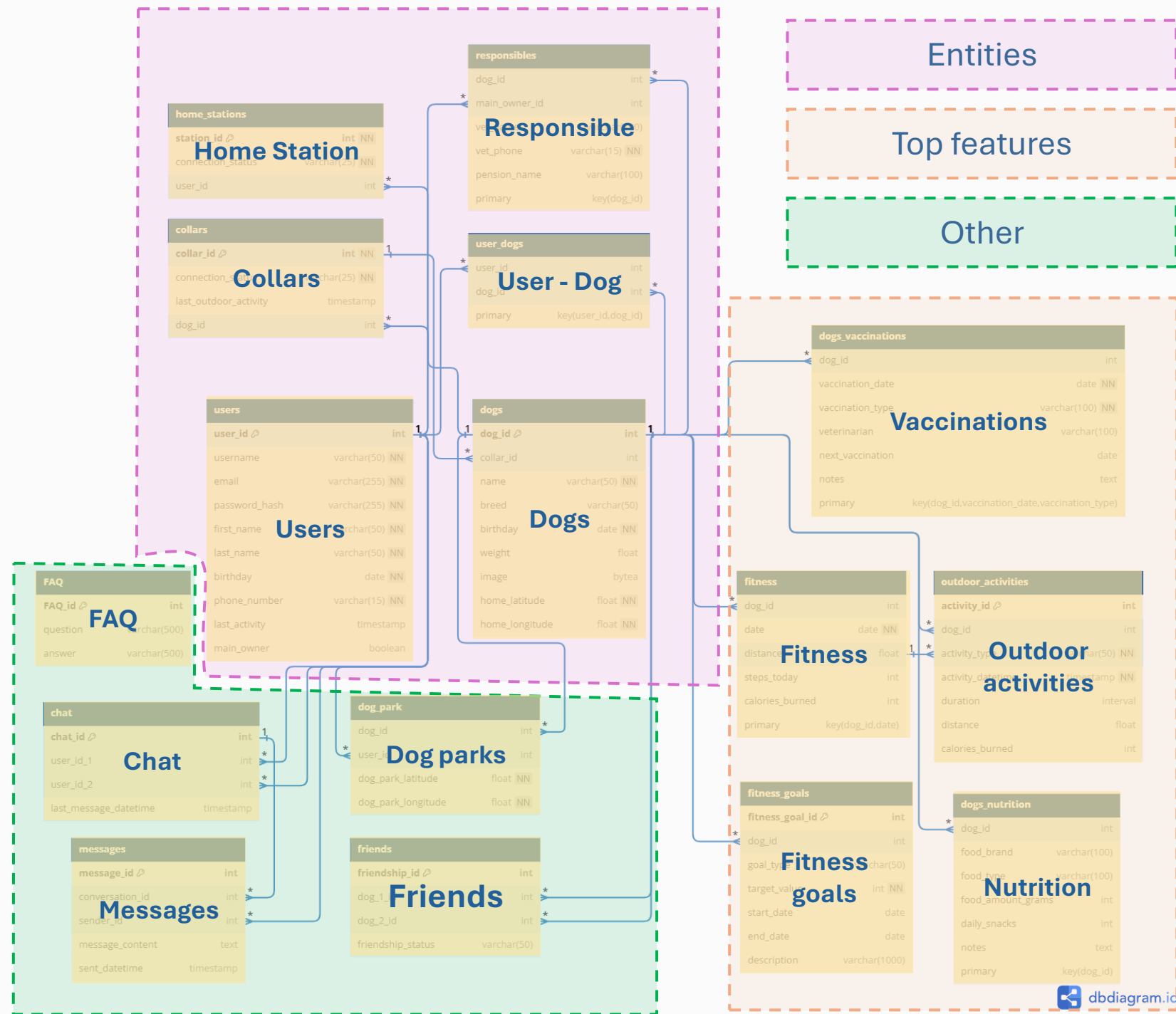




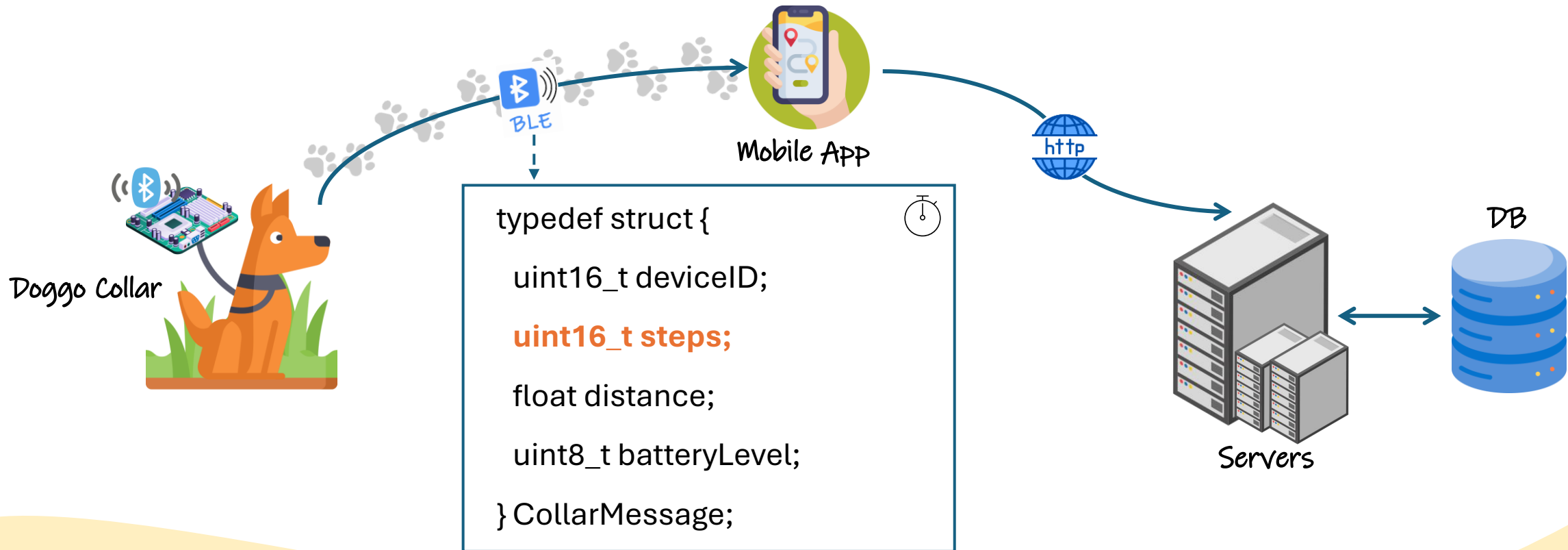
# Database Architecture



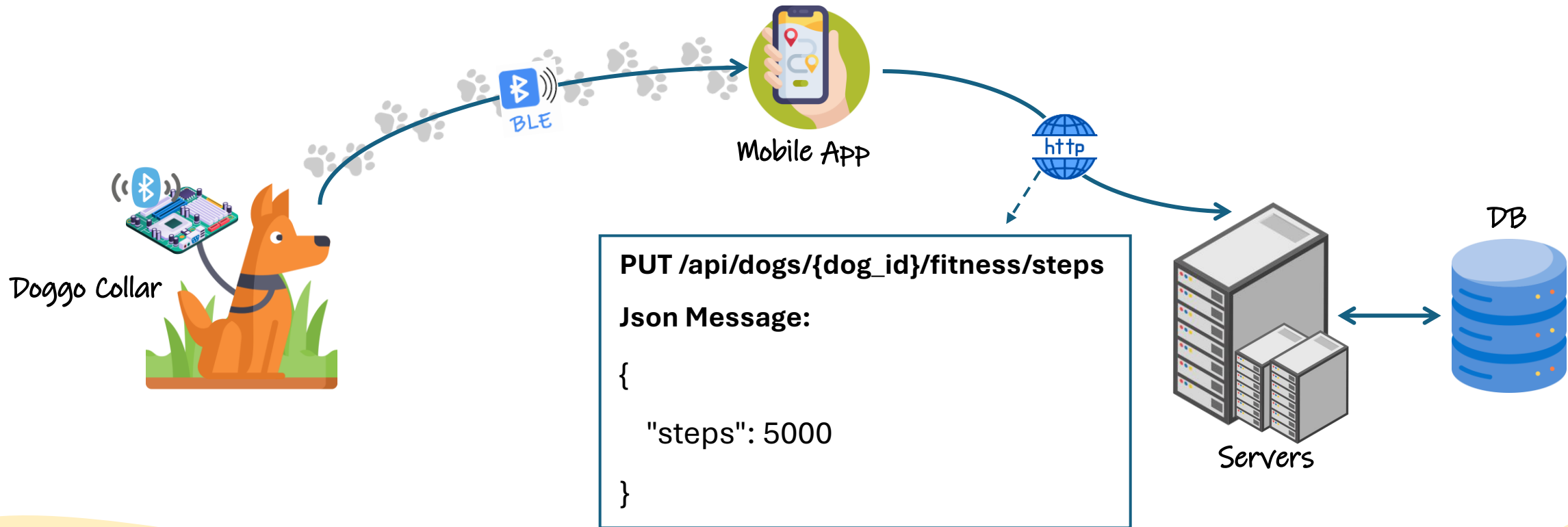
PostgreSQL



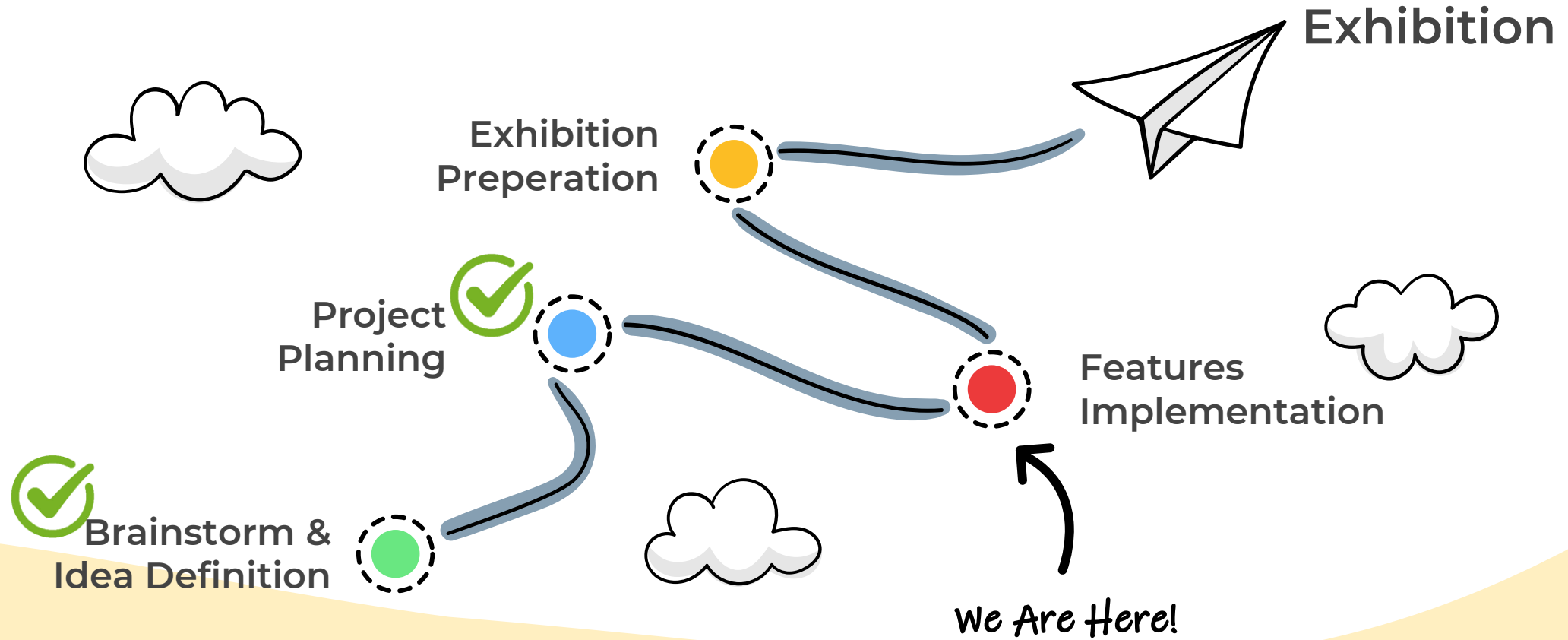
# Endpoint Example: Steps Update



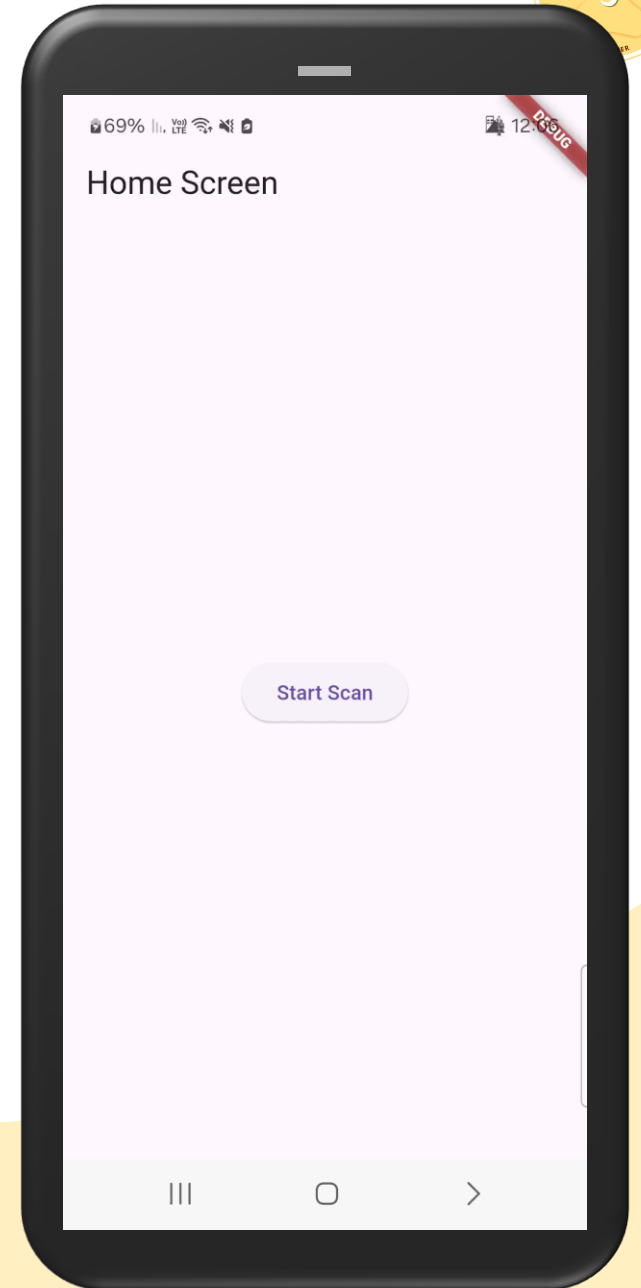
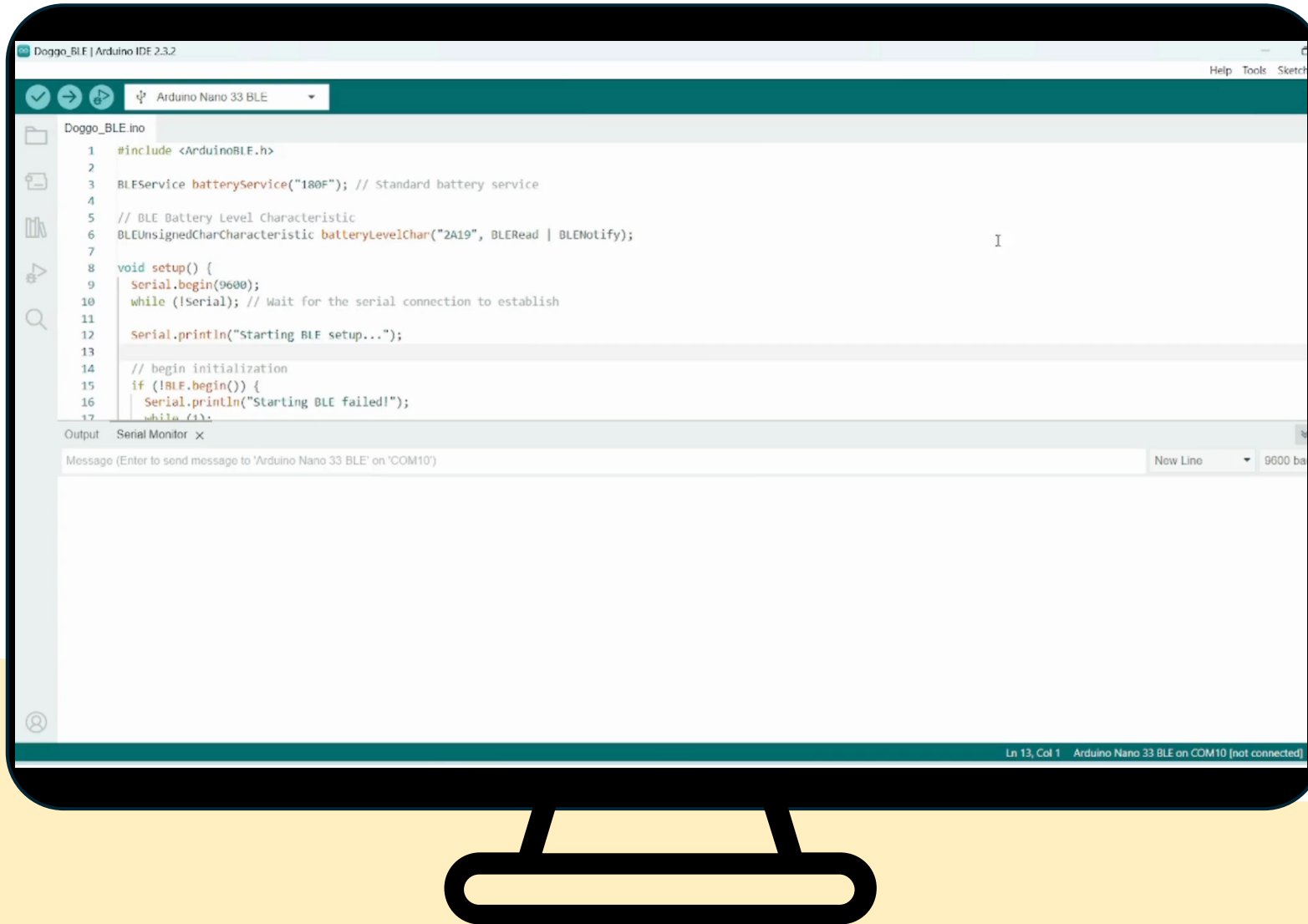
# Endpoint Example: Steps Update



# Project Status



# Demo





# Thank For Listening!



**Questions?**

