

Doggo

Mobile Application for Dog Owners

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Topics



The Problem



Our Solution



Main Features



Technical
Architecture



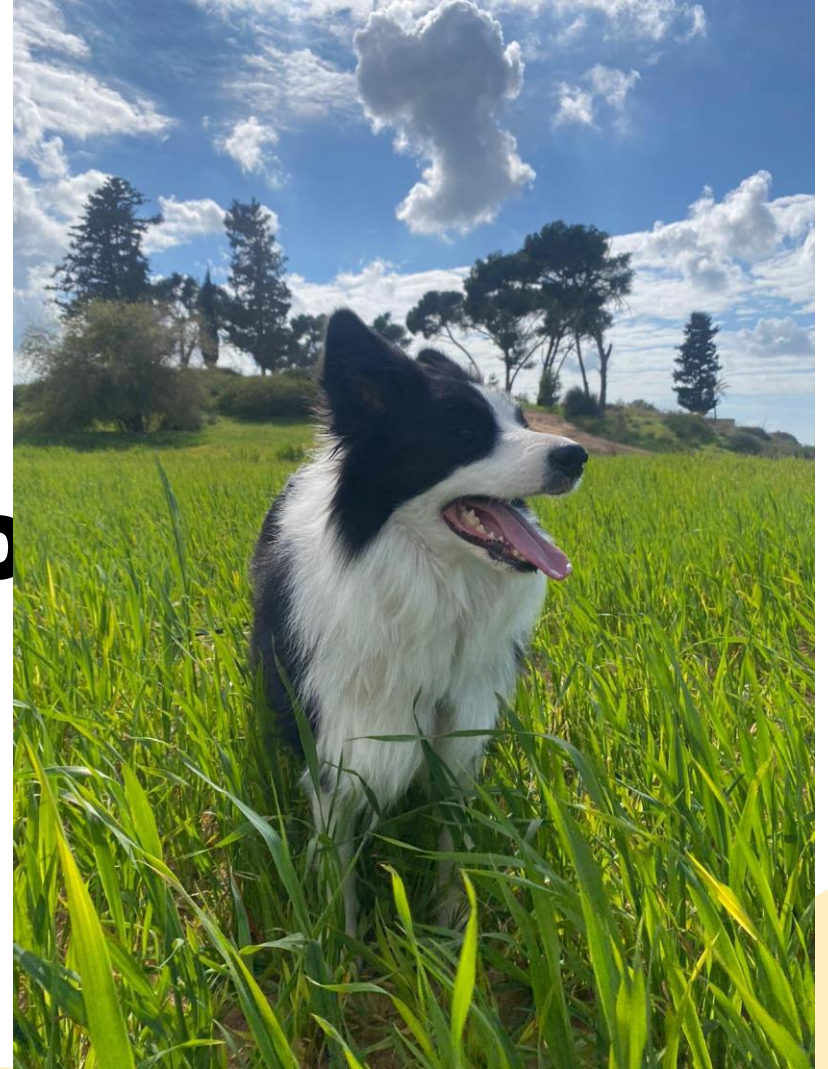
Technology Stack



Project Status &
Demo

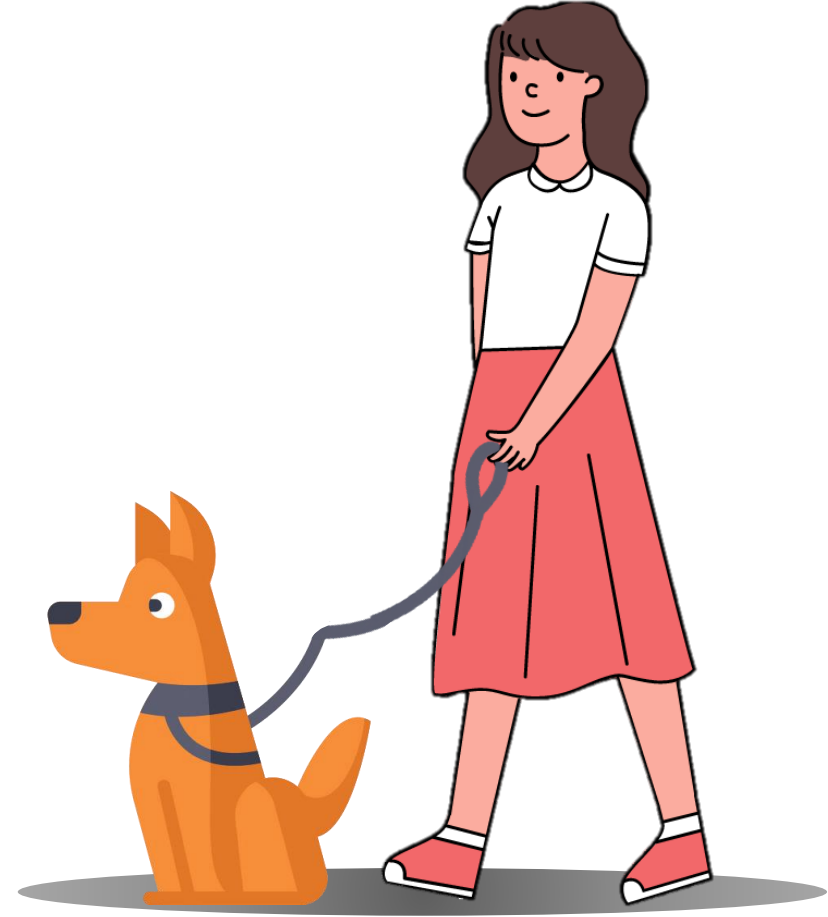


Why Doggo?



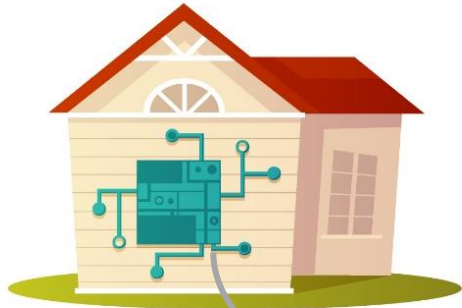
The Problem

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



Our Solution

Home Station



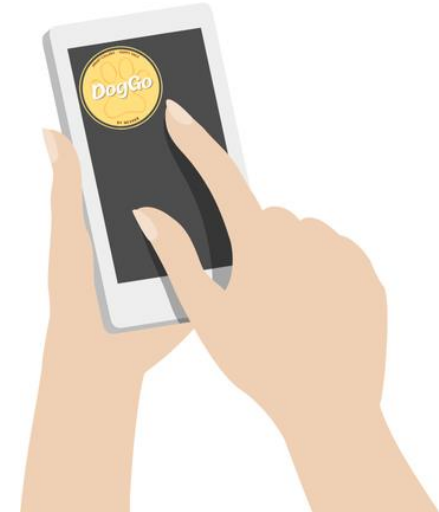
IoT Device

Your Dog's Collar



IoT Device

Mobile Application



Main Features



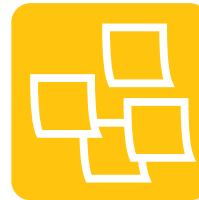
**Fitness
tracking**



**Dog-Friendly
places**

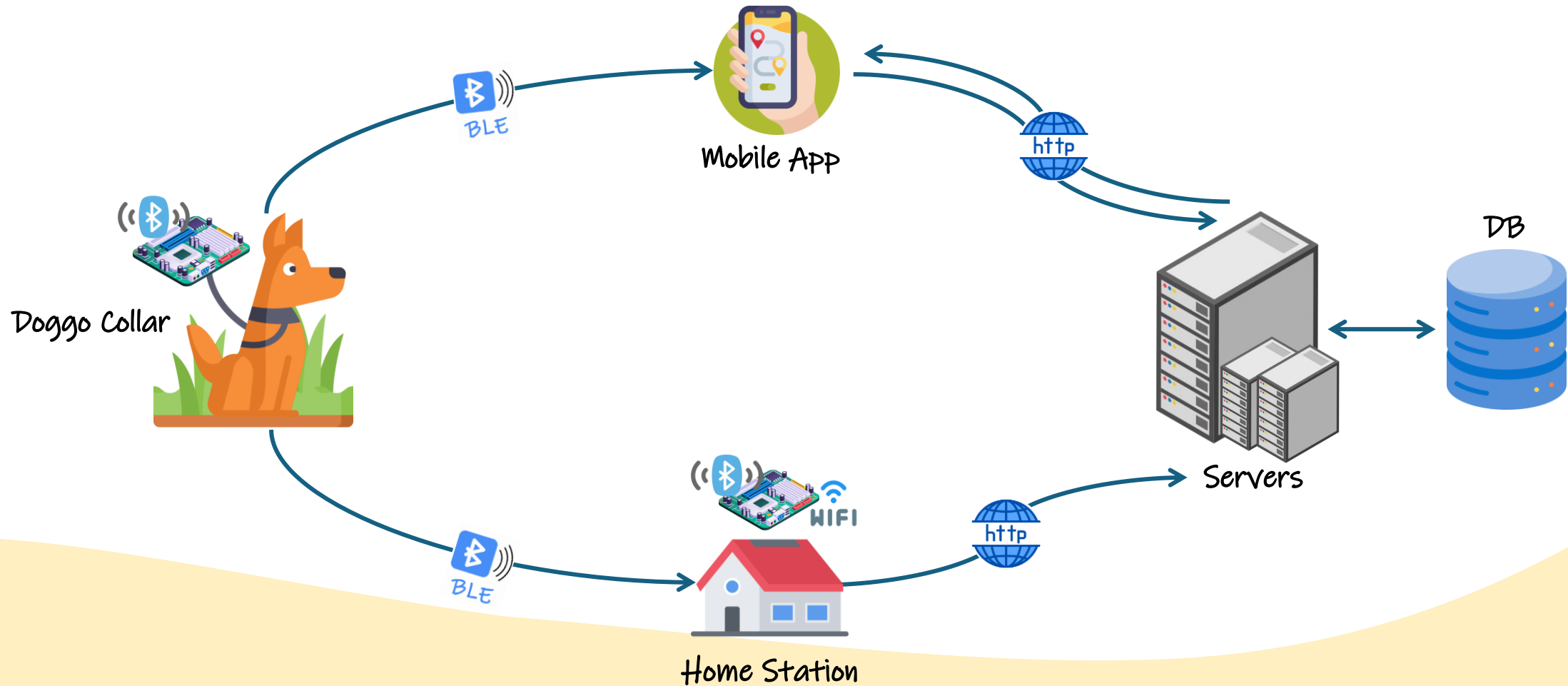


**Social
Networking**



**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:

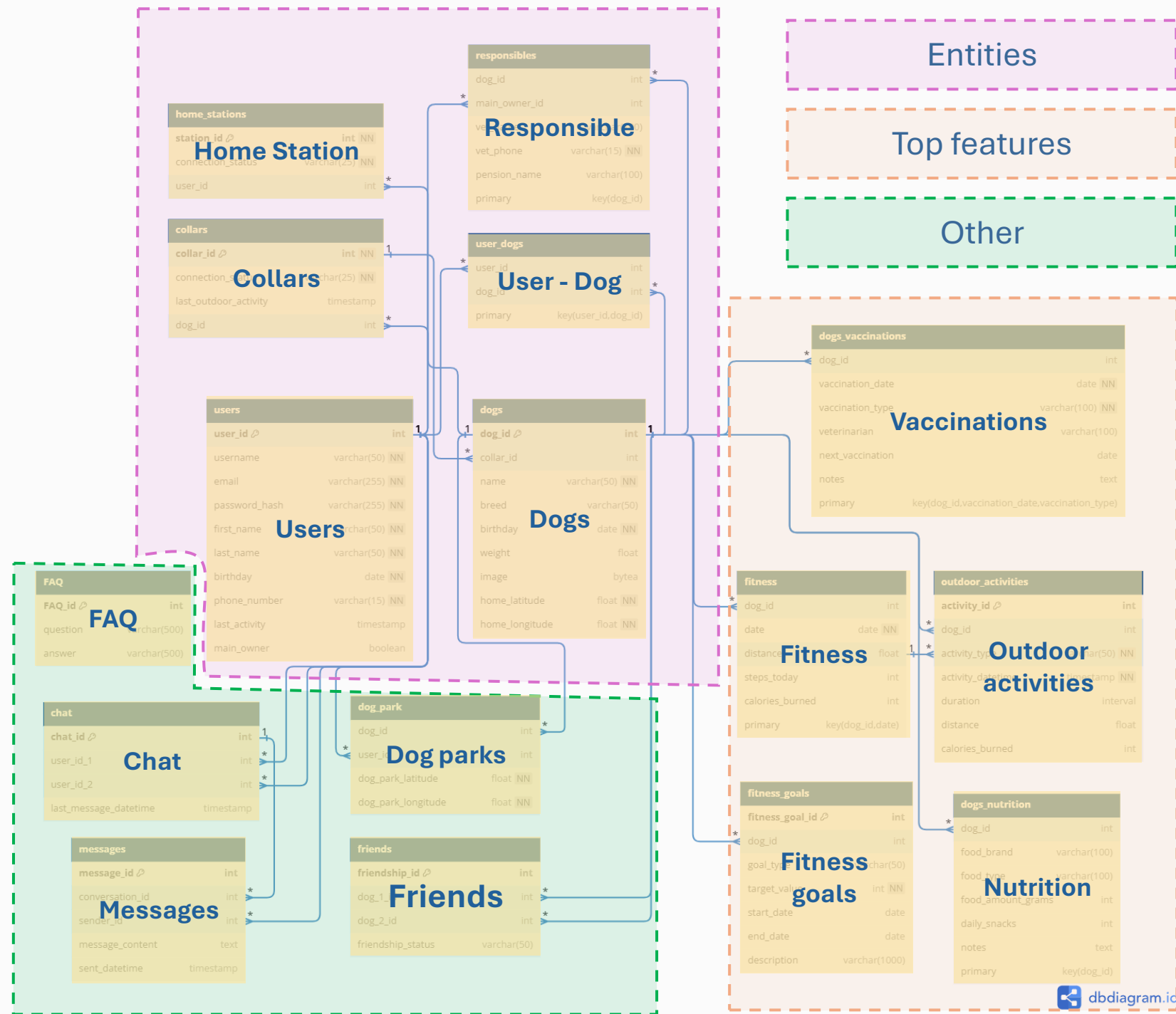
Monolith



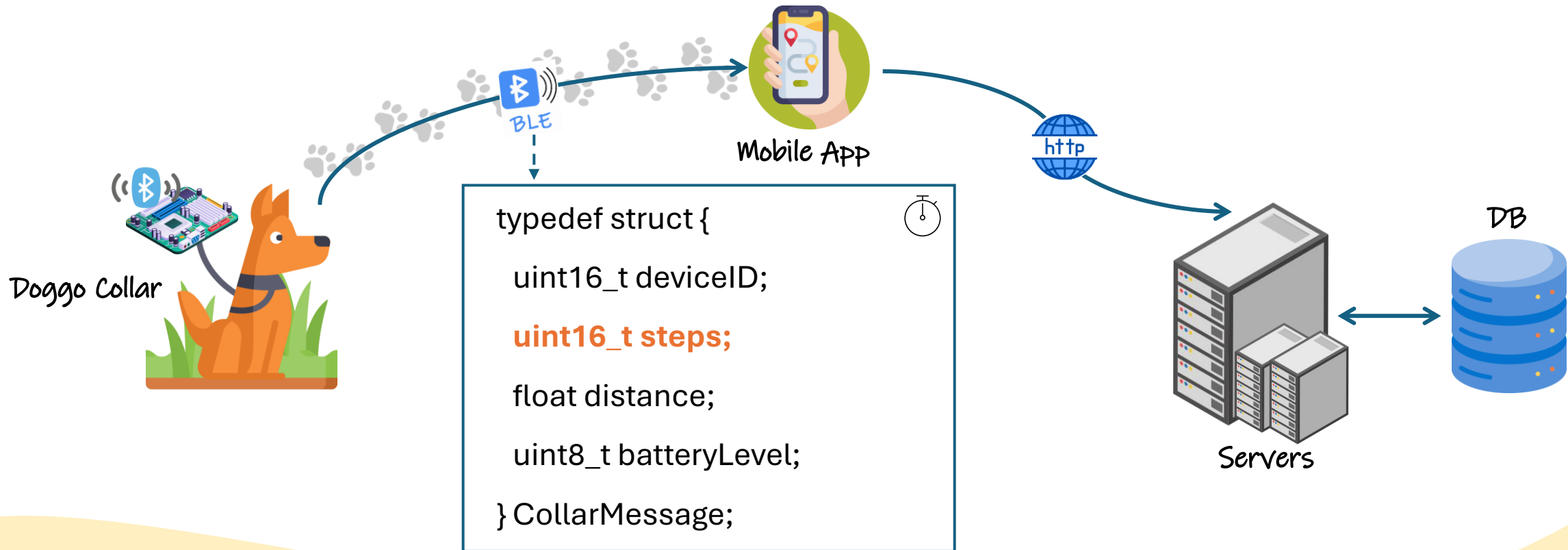
Database Architecture



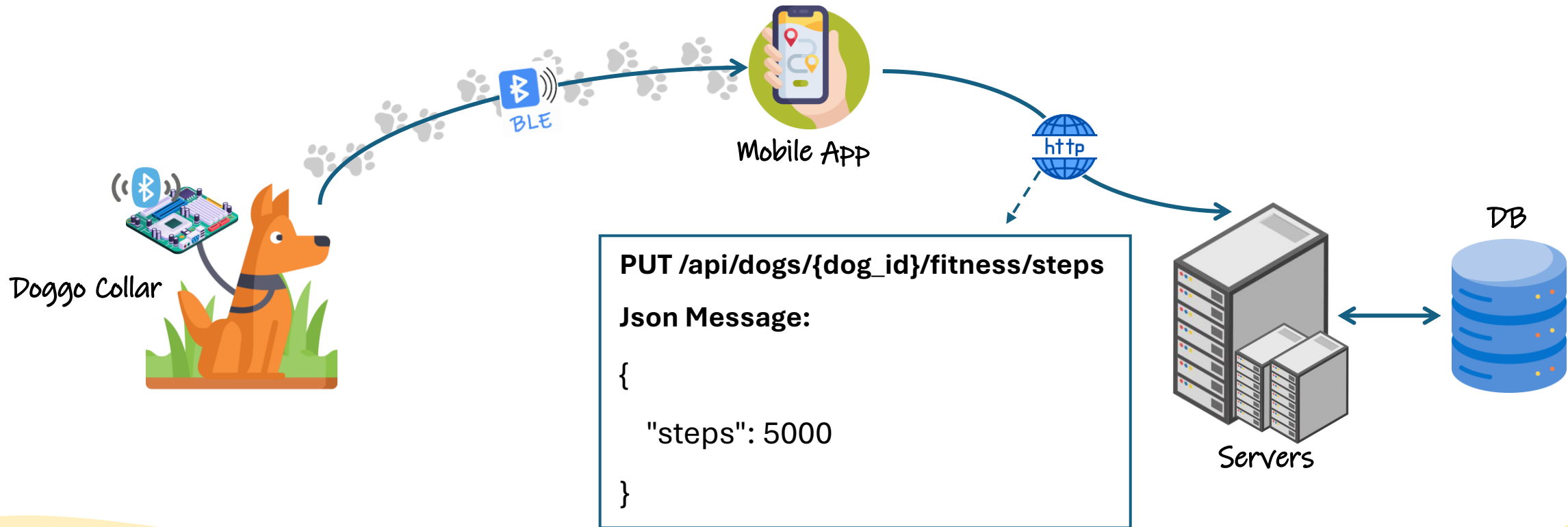
PostgreSQL



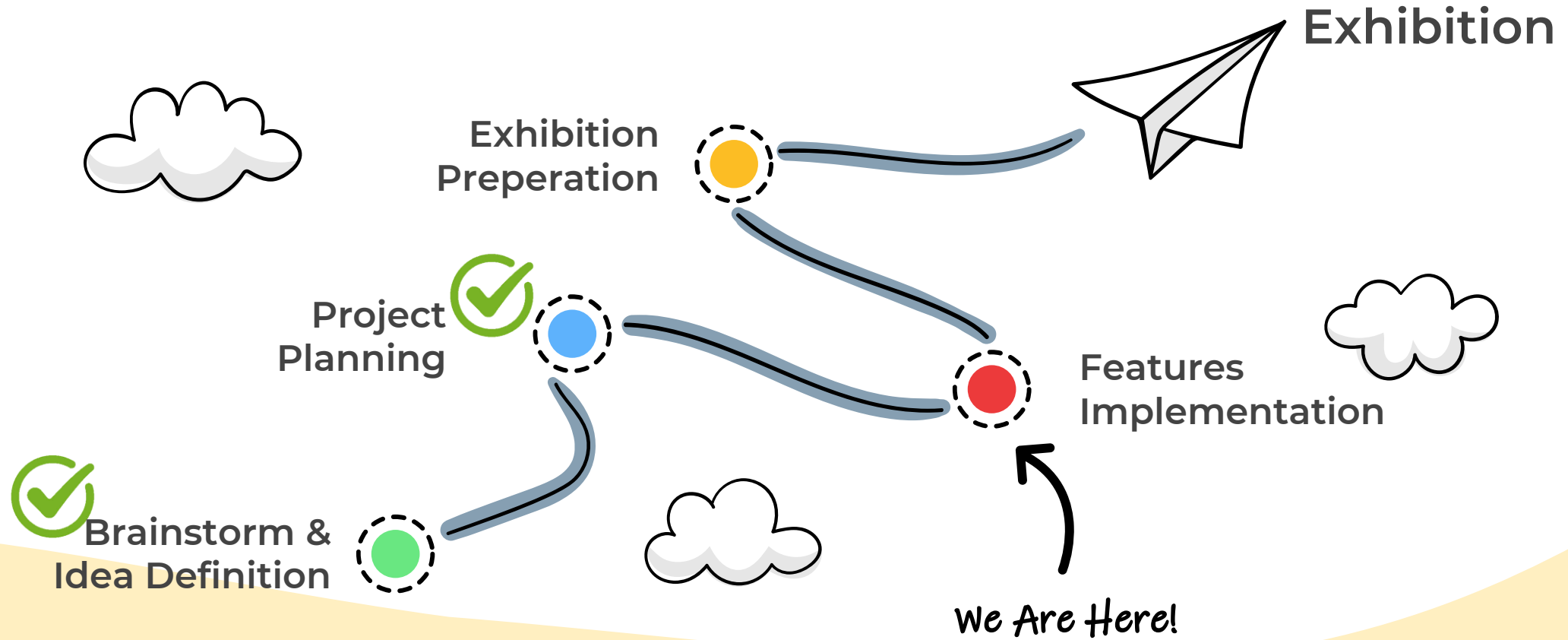
Endpoint Example: Steps Update



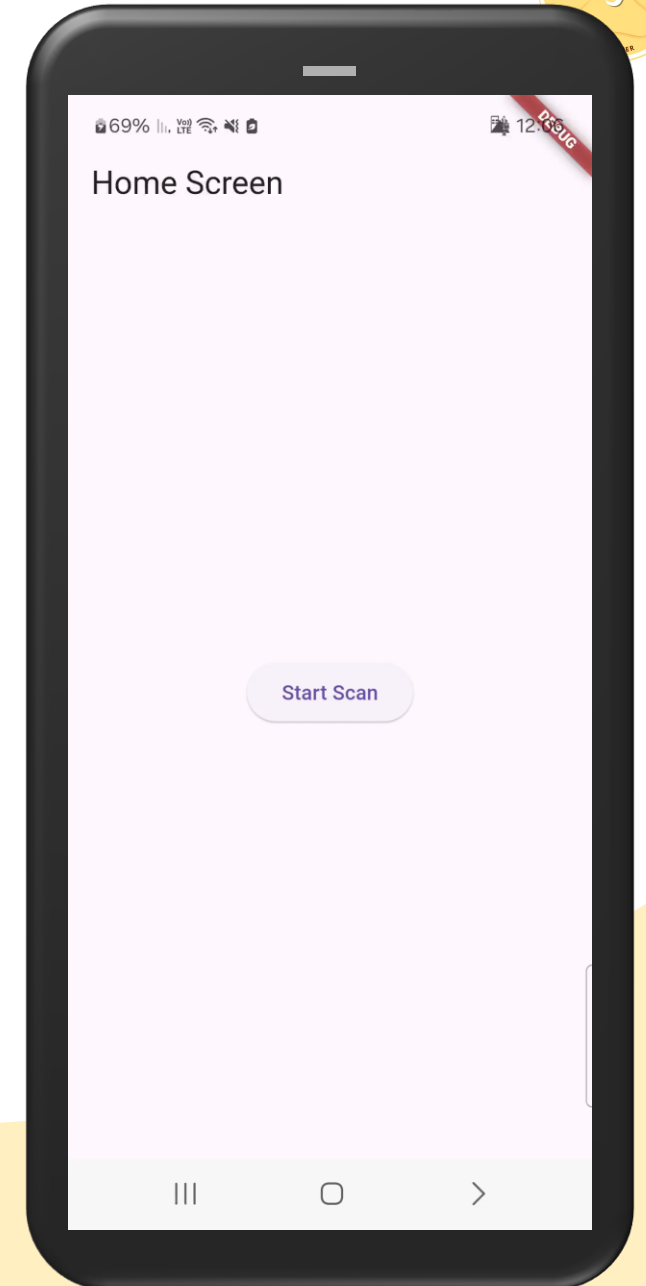
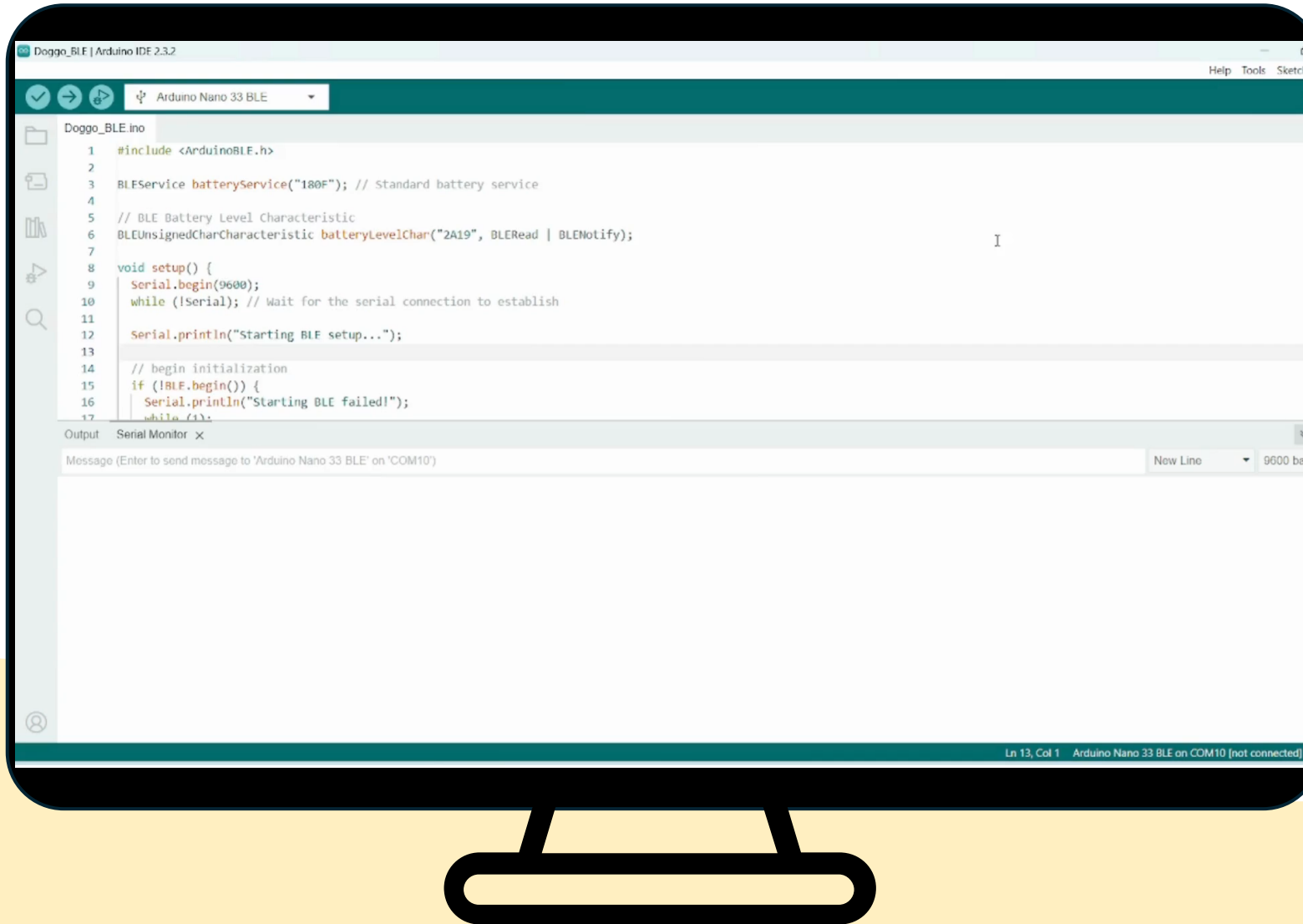
Endpoint Example: Steps Update



Project Status



Demo



Thank For Listening!



Questions?

