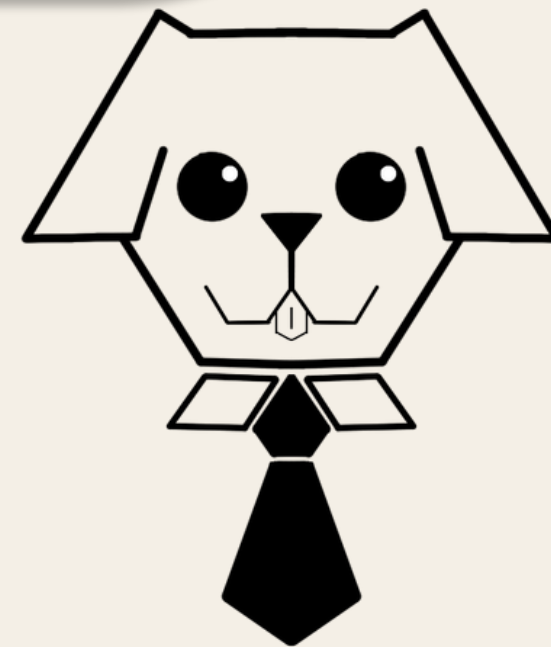


BUDDY

TAG



<http://web.tecnico.ulisboa.pt/~ist1106041/BuddyTe4m>

TEAM



Nuno Mota

- TAG Manager
- Communication
- Hardware/Software Engineer



Helena Oliveira

- APP/Site Manager
- Designer
- Software Engineer



Guilherme Bertrand

- Communication
- 3D Design
- Software Engineer



Lourenço Moiane Jr.

- Communication
- 3D Design
- Hardware Engineer



Alexandre Gonçalves

- Communication
- 3D Design
- Hardware Engineer

MENTORS



TERESA VAZÃO



MARIANA TEIXEIRA

**Every second counts: Children can
disappear in a heartbeat**

FOR WHO?

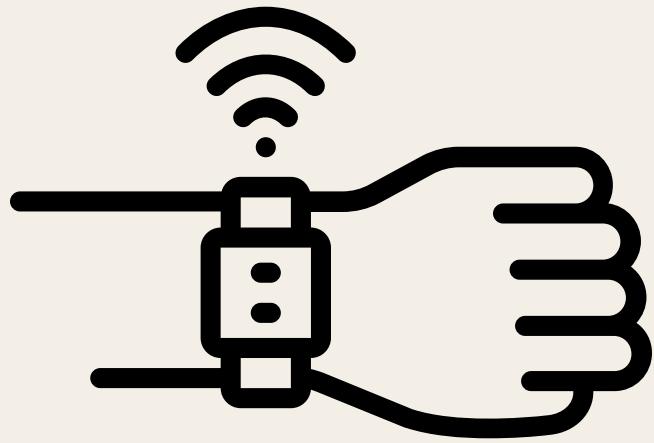
Concerned family members

Recreational programs & camps

Teachers leading school trips



THE TECHNOLOGY



Wearable
Buddy TAG



Wireless
Communication



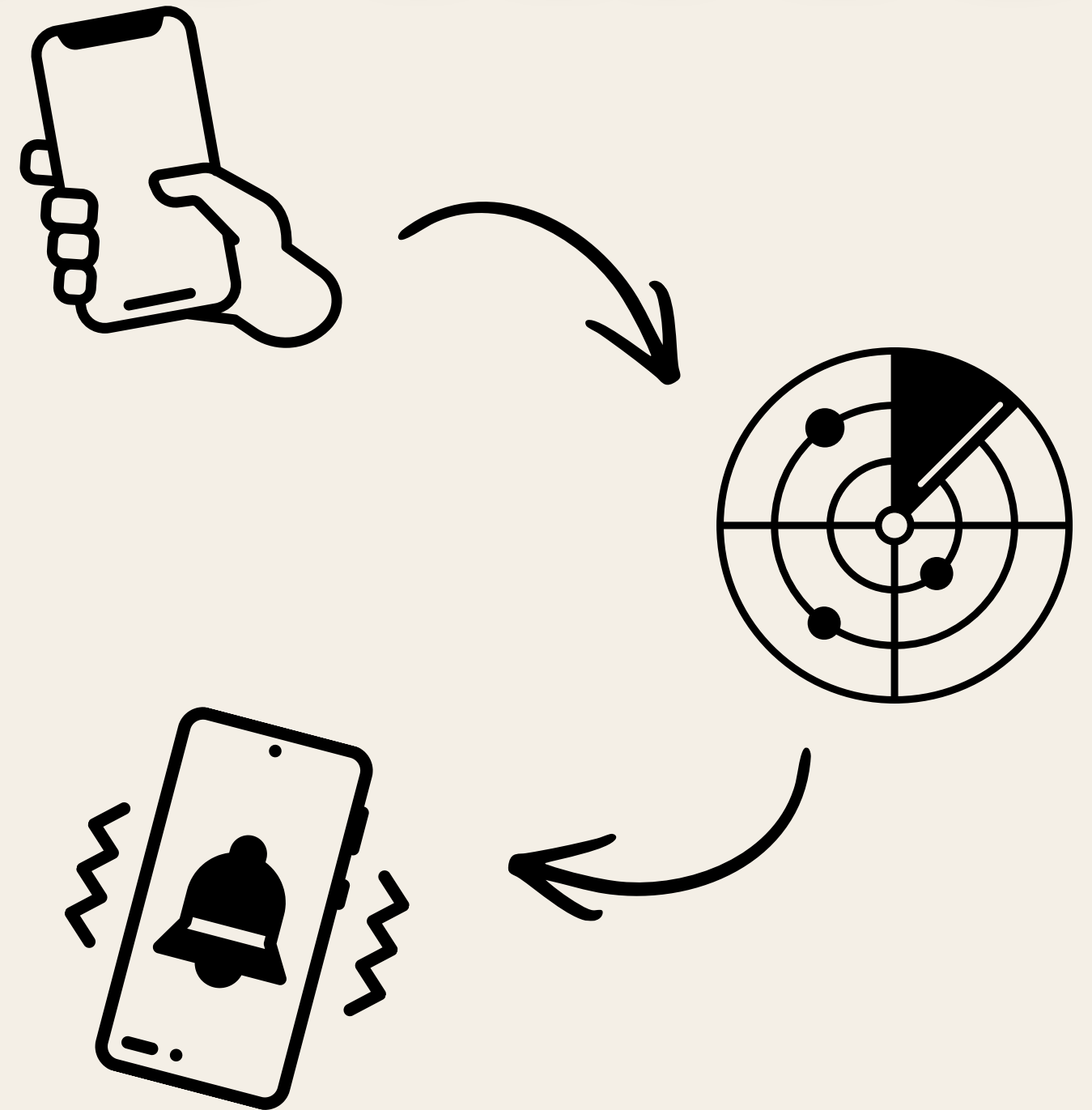
Guardian
Buddy APP

HOW IT WORKS

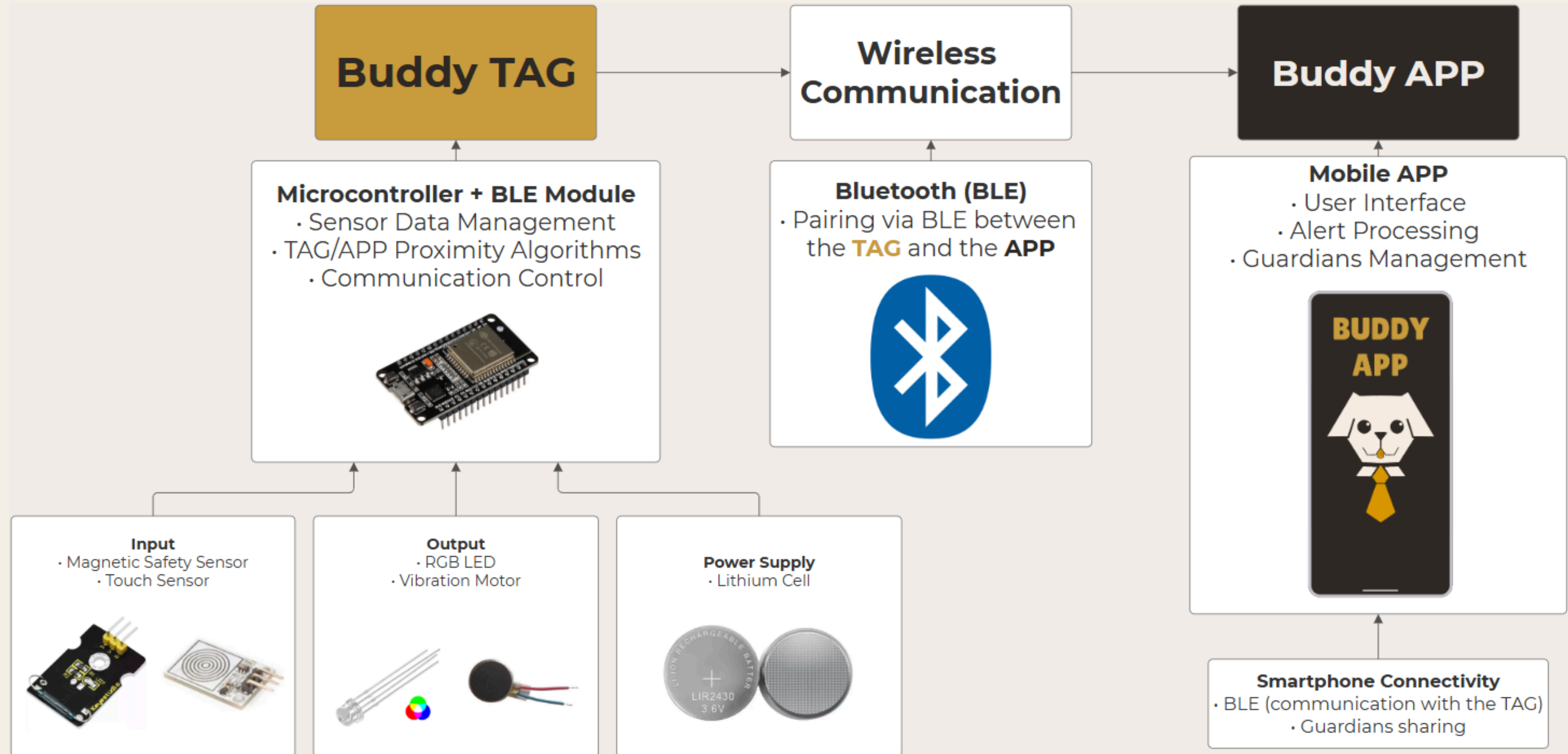
1. Log in to the APP and pair the TAG

2. Once paired, proximity monitoring starts automatically

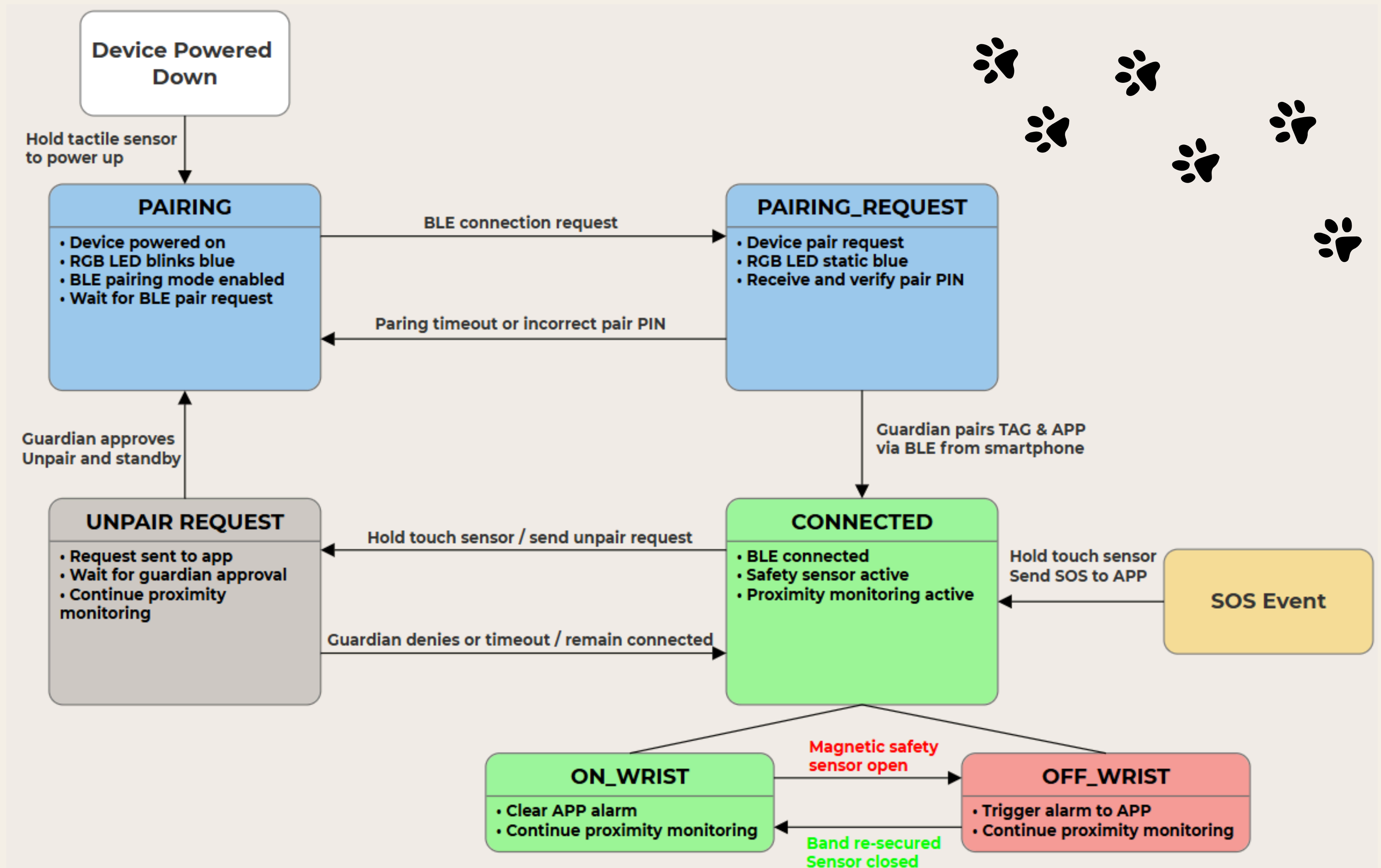
3. The APP instantly notifies you based on the proximity classification



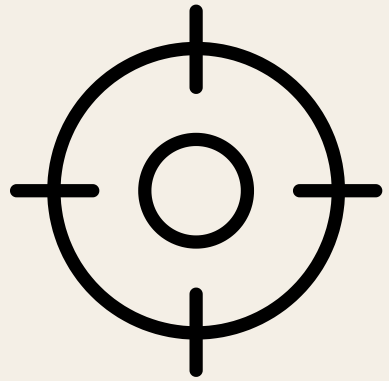
GENERAL ARQUITECTURE



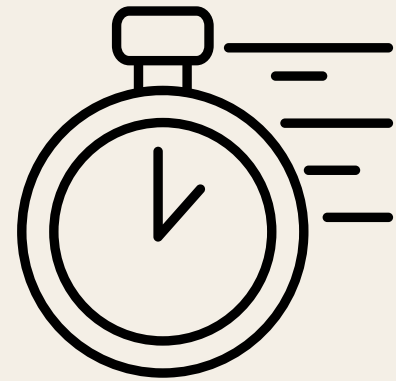
OPERATIONAL STATES



TEST METRICS



Precision &
Accuracy



Speed



False Alarms



Data Privacy



CHALLENGES

TECHNICAL

NON-TECHNICAL

Proximity Estimation Algorithm	Technology Trade-offs
3D Modeling & Enclosure Design	Time Management
Hardware Integration	User Experience Simplicity
Power Consumption & Power Source Selection	Requirements Definition

COMPETITION

@tile



Easy to use



Weak
Data privacy



Strong
Data privacy

Generic / Third-party

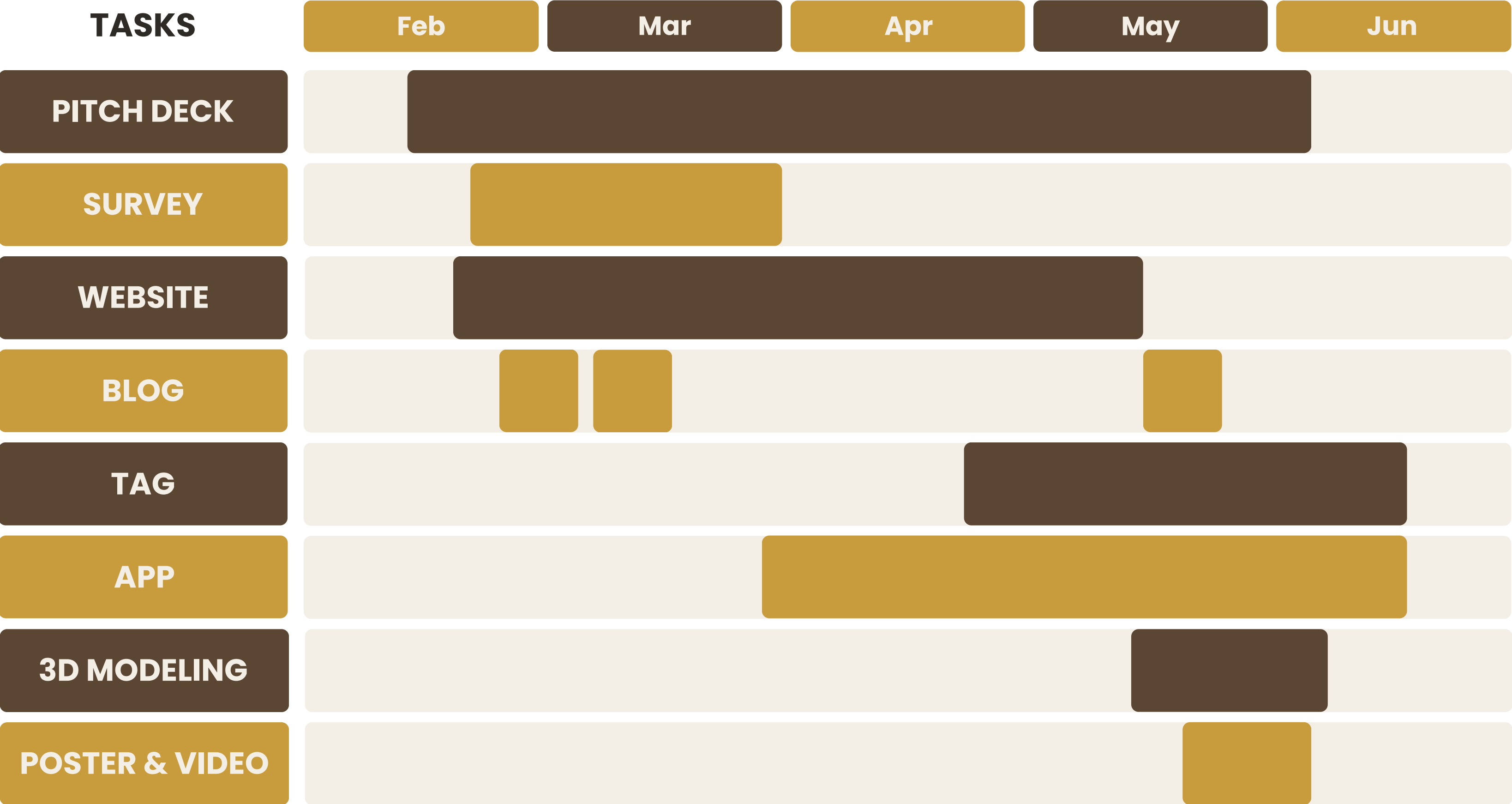


Complex



PROJECT TIMELINE

ELETRDAY 27th Jun



THE BUDDY TEAM

THANK YOU

