



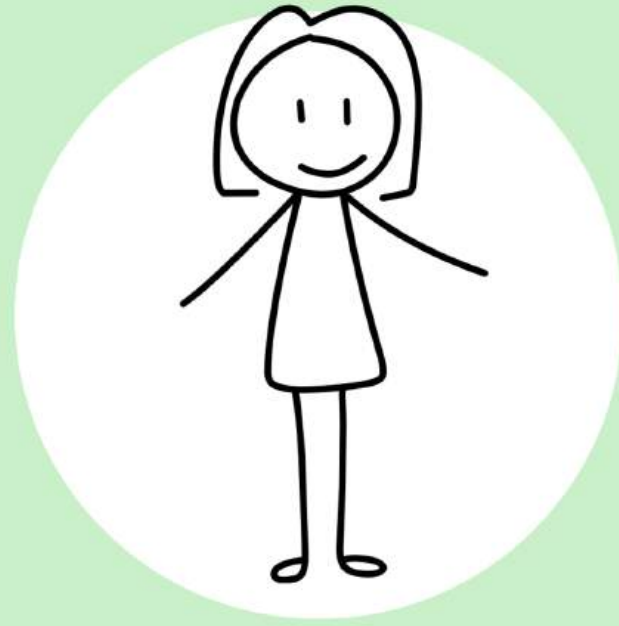
# Voice Feeder

**Mobility Dogs  
Hackathon  
12 - 14 July 2024**

# Team Member



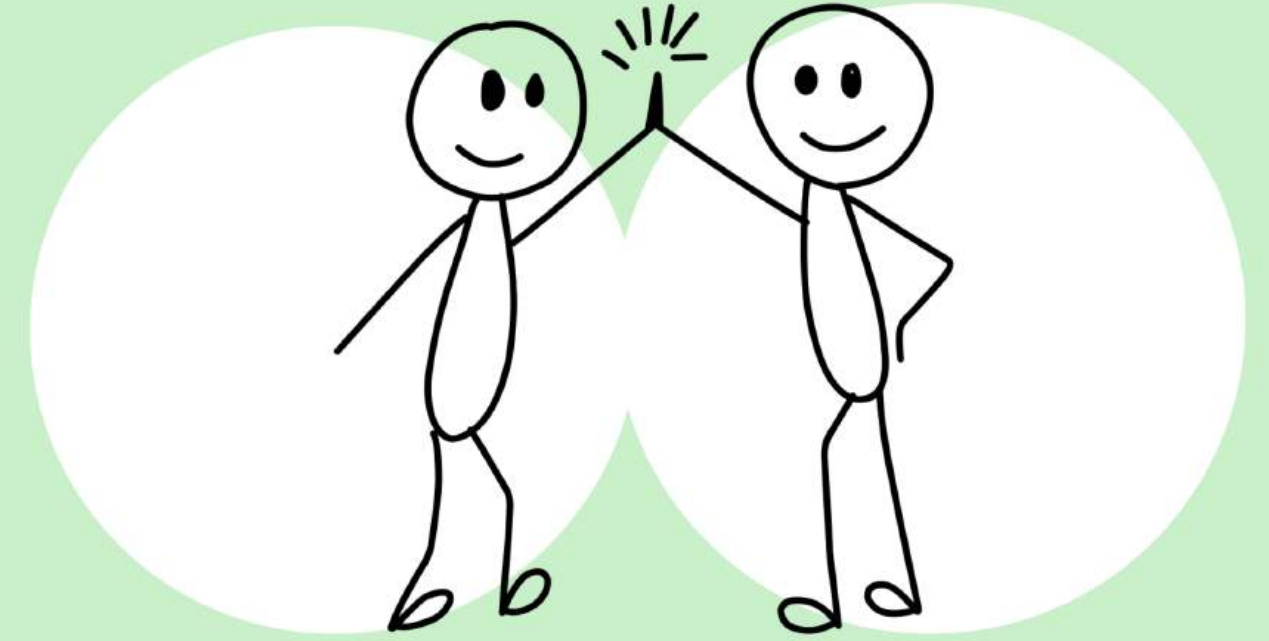
**Arnav**



**Cindy**



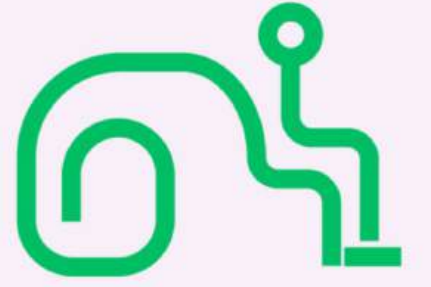
**Dorothy**



**Sophy**

**Yan Lin**





# Problems

- Users need to give treats to the dog
- Users have limited motion range to give treats to the dog





# What are we trying to make?



- Device for power wheelchair users
- Can trigger a treat to dispense by their voice or button on a tray
- Try to attract the dog



# Solution + Features

- Voice controlled device or button
- Attached to the wheelchair
- Can be used from the phone





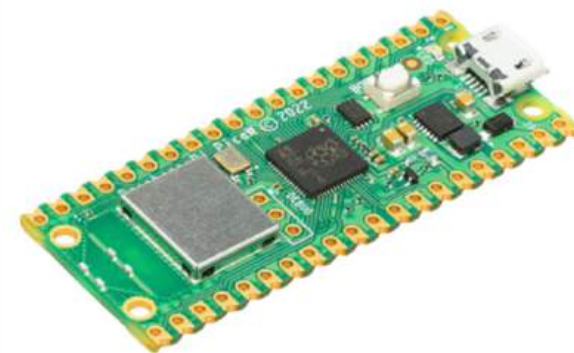
# Components



- Phone/  
Device
- App  
(Bluetooth)



- Raspberry  
pie pico w
- Micro servo
- Needs  
Power



- Kibbles  
pusher
- Button
- EV3 Lego  
Mindstorm

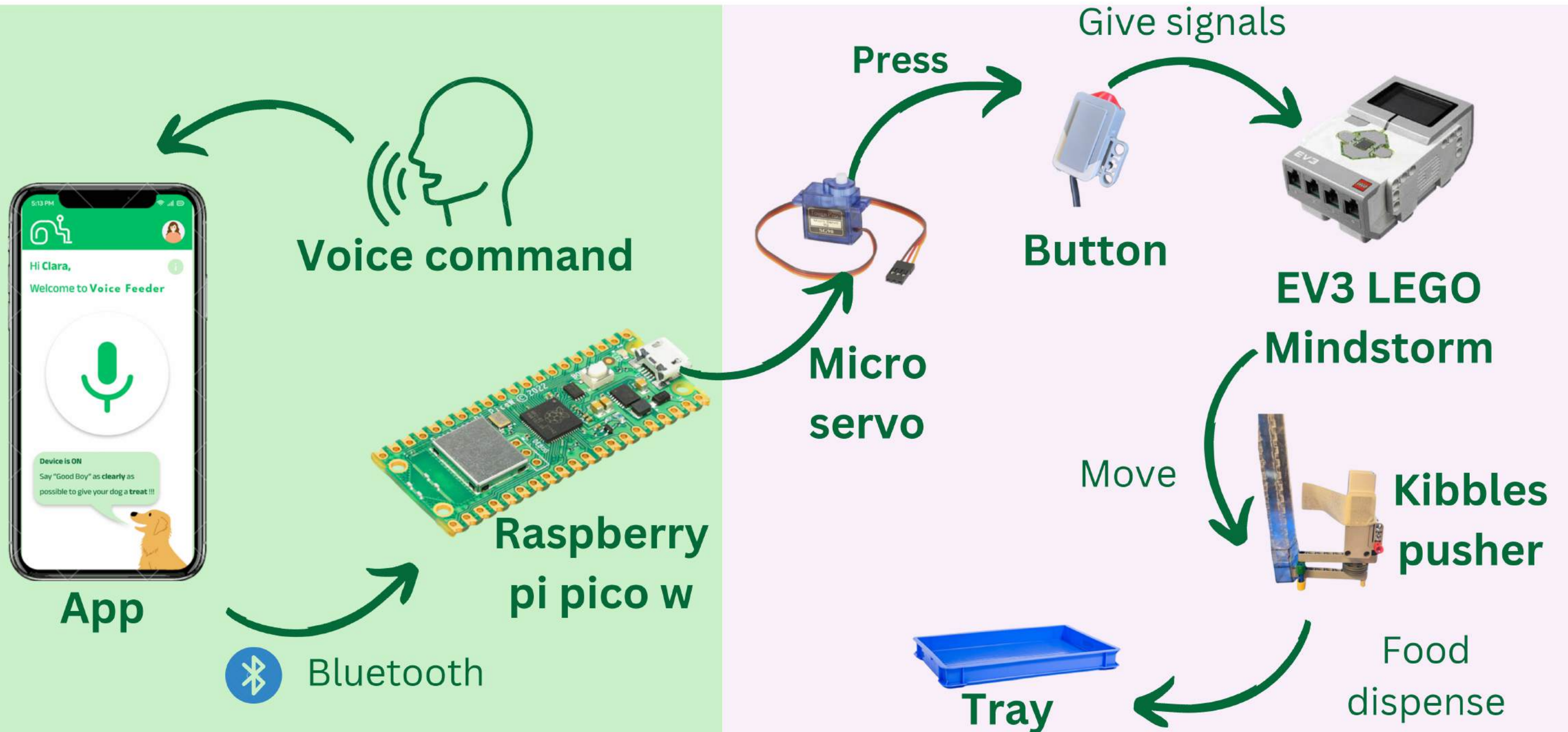


- Kibbles  
container  
(Tube)
- Tray
- Elastic
- Velcro



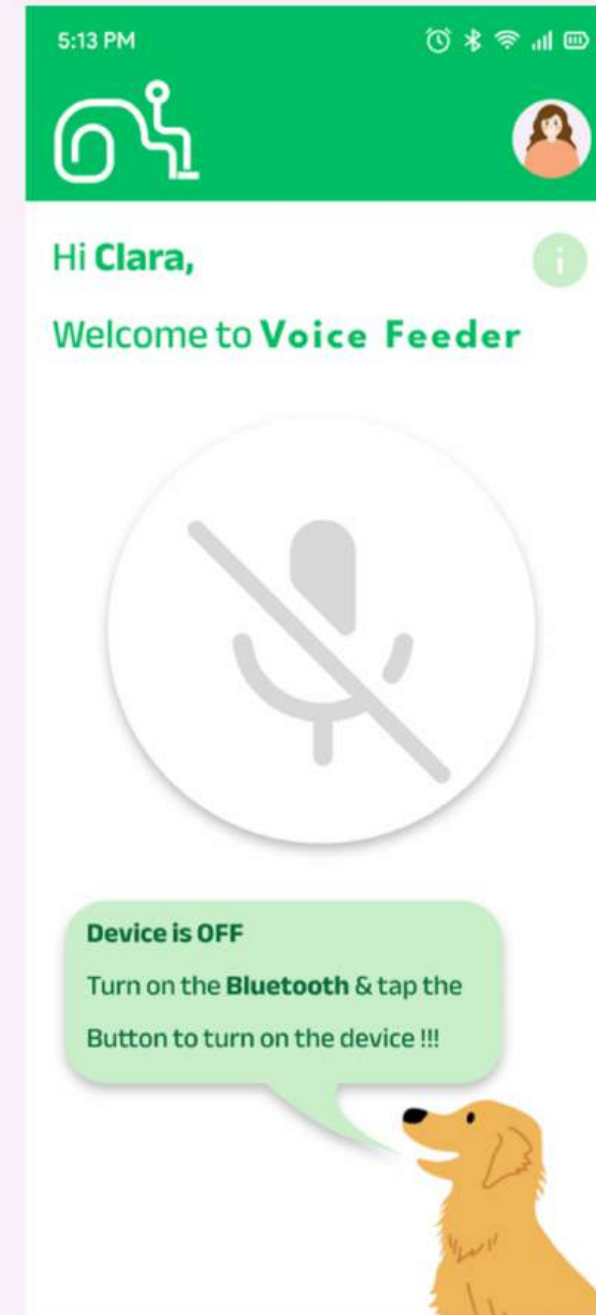
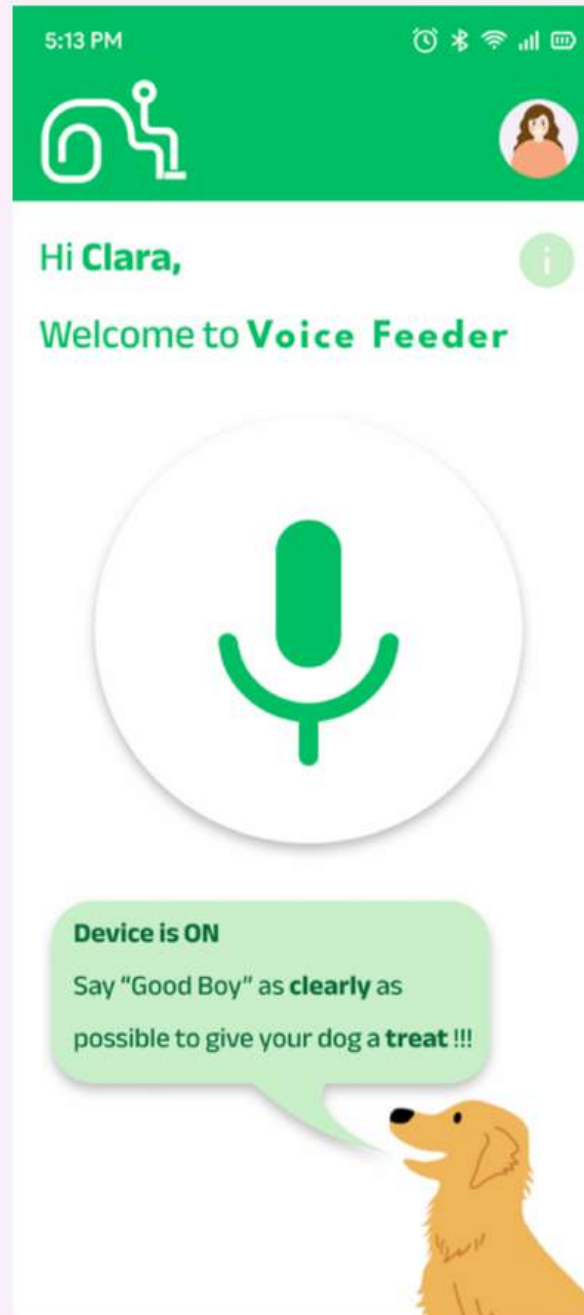


# How it works?





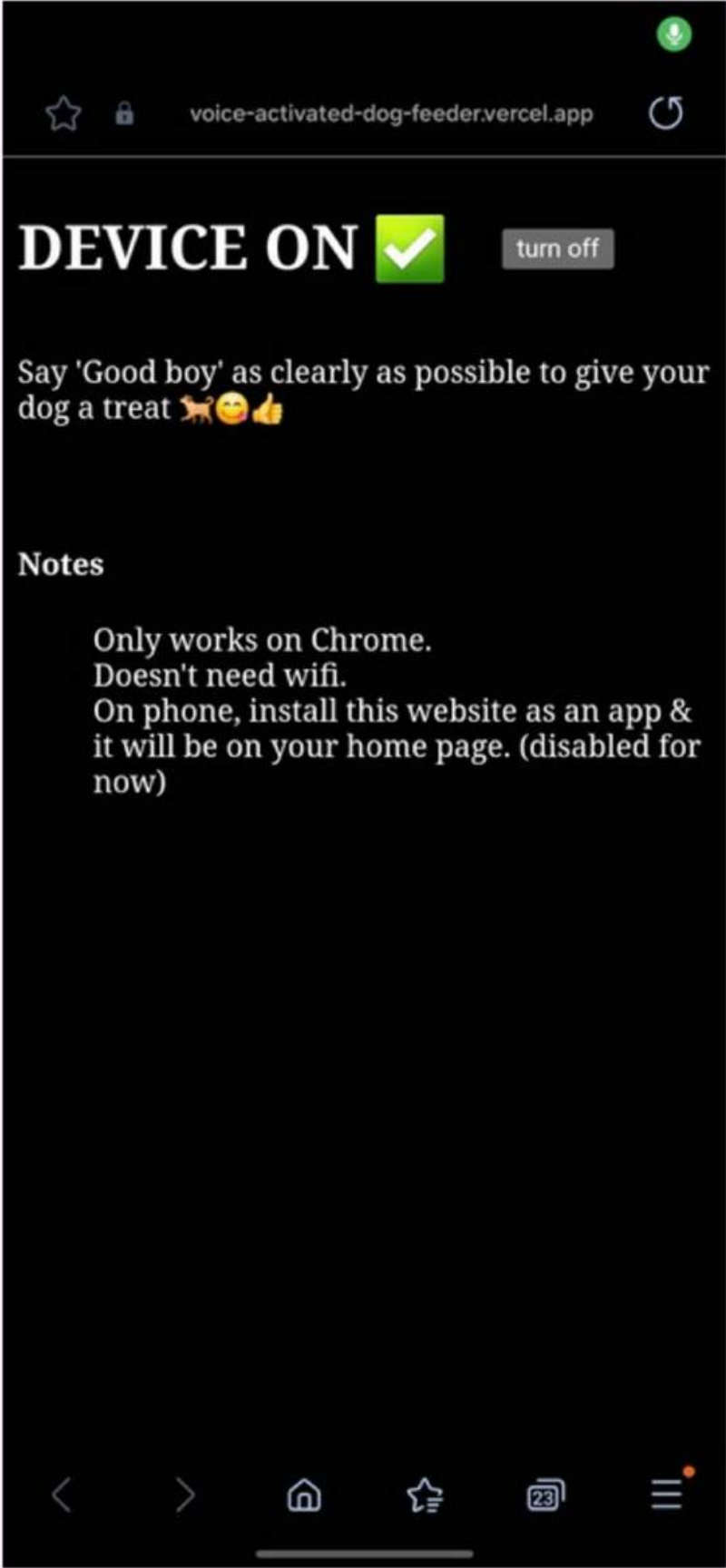
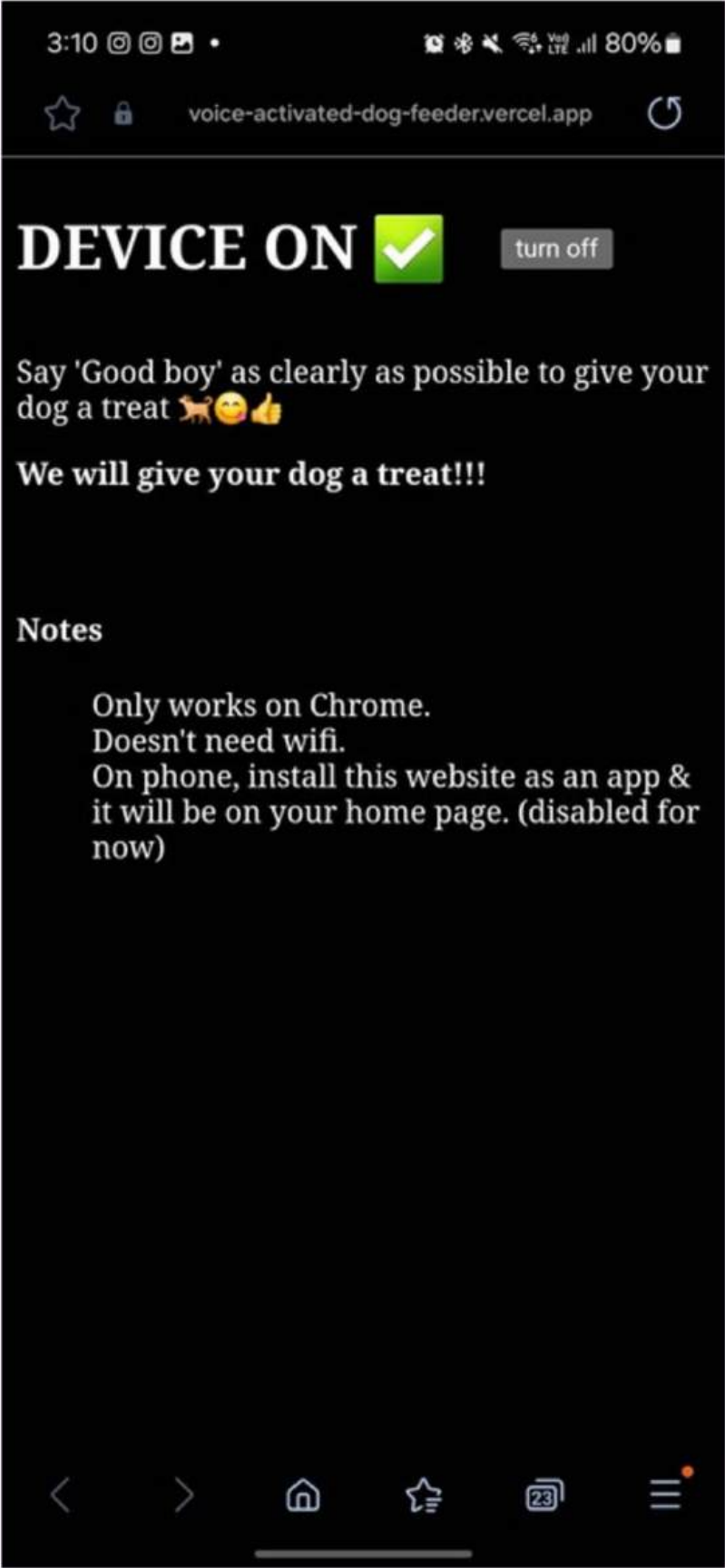
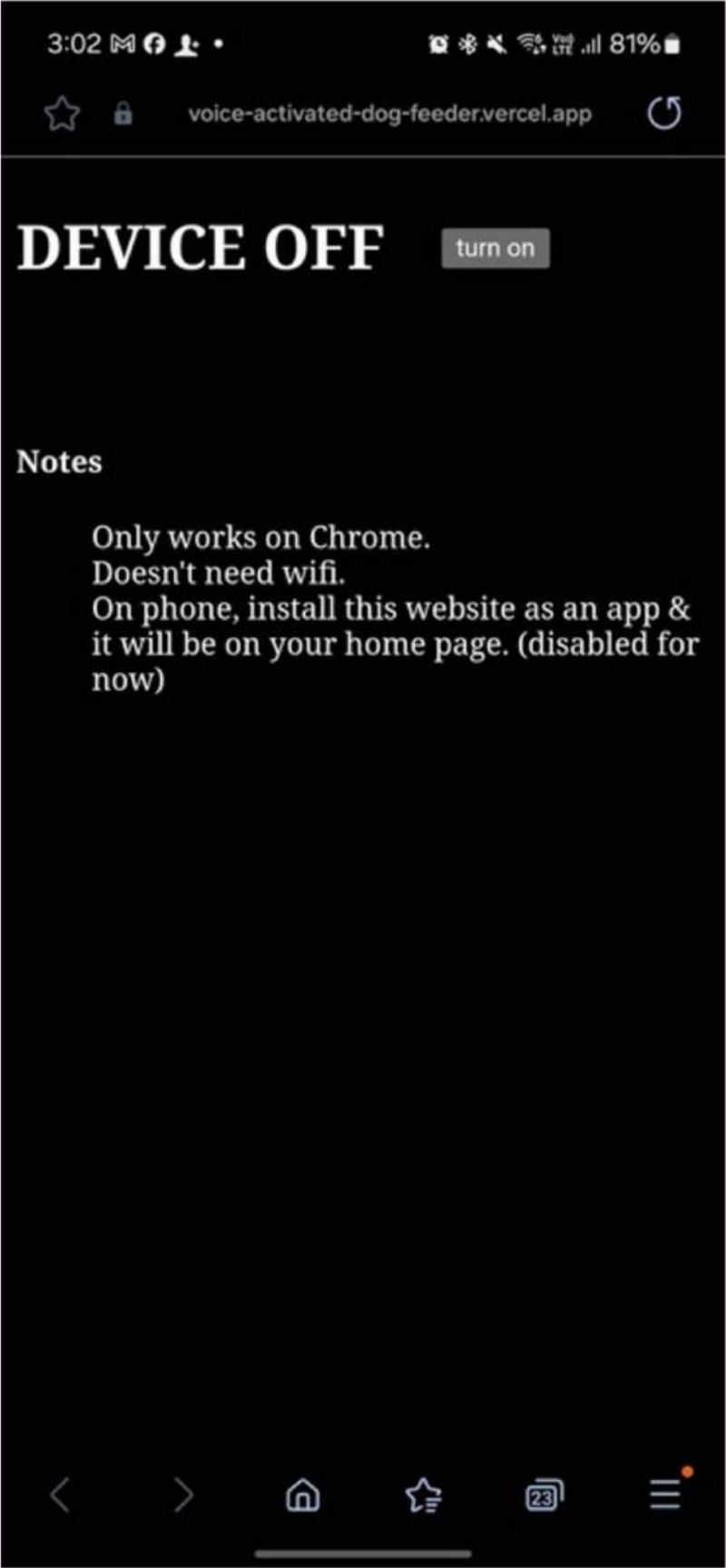
Turn ON the  
Bluetooth before  
getting started



We will give your  
dog a treat !!!









[Figma prototype](#)



[App \(Web based\)](#)



**Thank  
You**

