

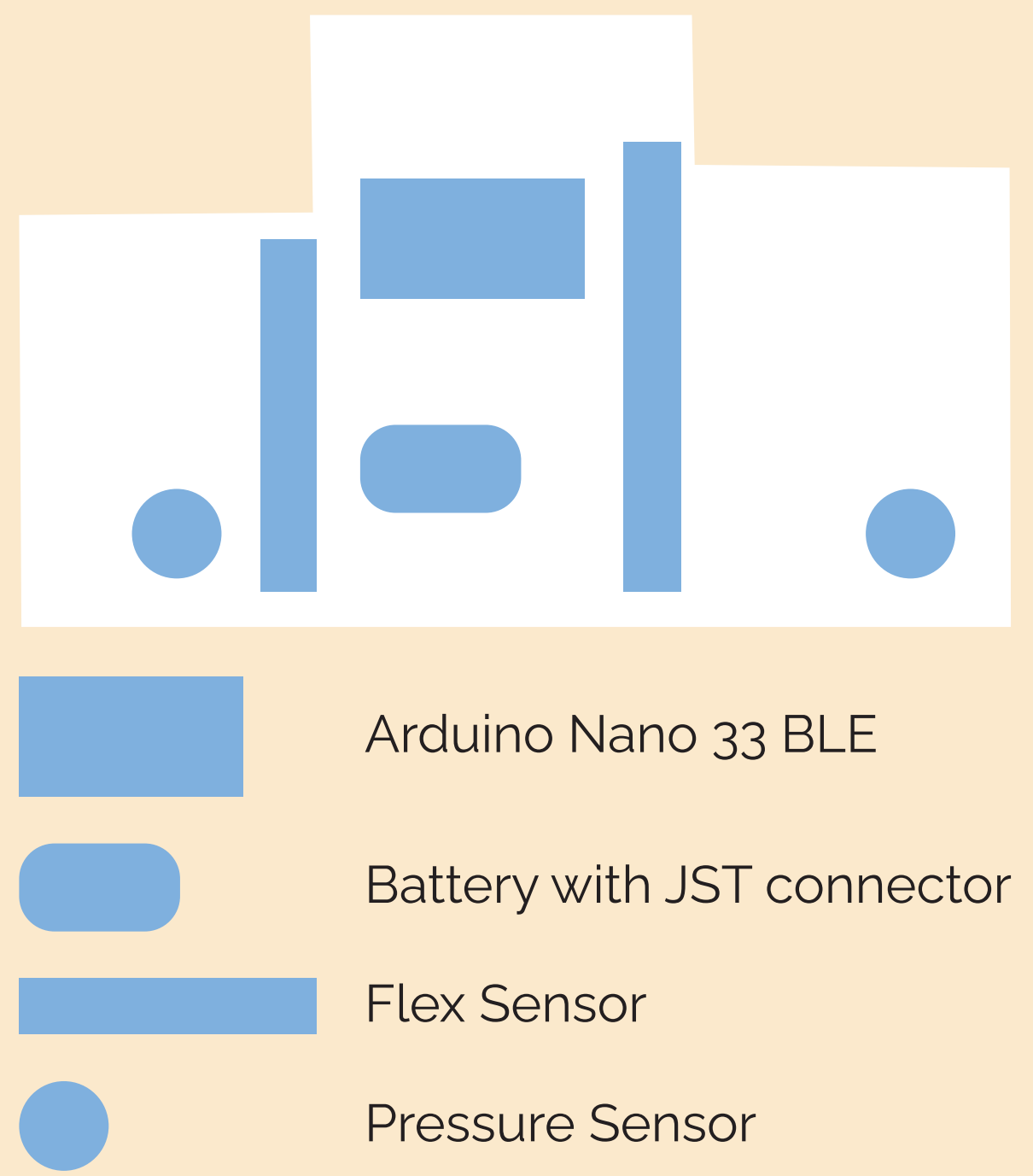
## WHY

After **mild ankle sprains**, further injuries might still occur with harmful movements, which are hard to detect and will take longer to recover. Most available ankle braces stabilize but do not have the ability to **monitor** those movements.

This smart ankle sensor enhances ankle braces to track the ankle movements and **alert** users when harmful movements were detected to **avoid further injury**.

Extend to be used for all kinds of recoveries that need controlling the movements, such as compressing or bending for ankles or elbows.

**Simply stick to ankle braces**  
**Removalbe and reusable**

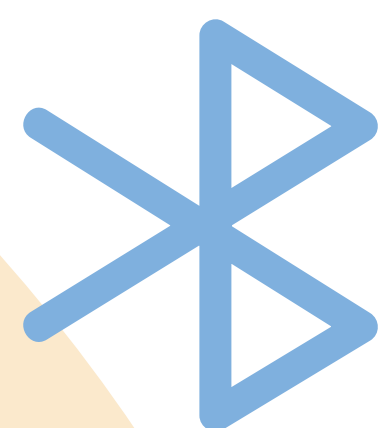
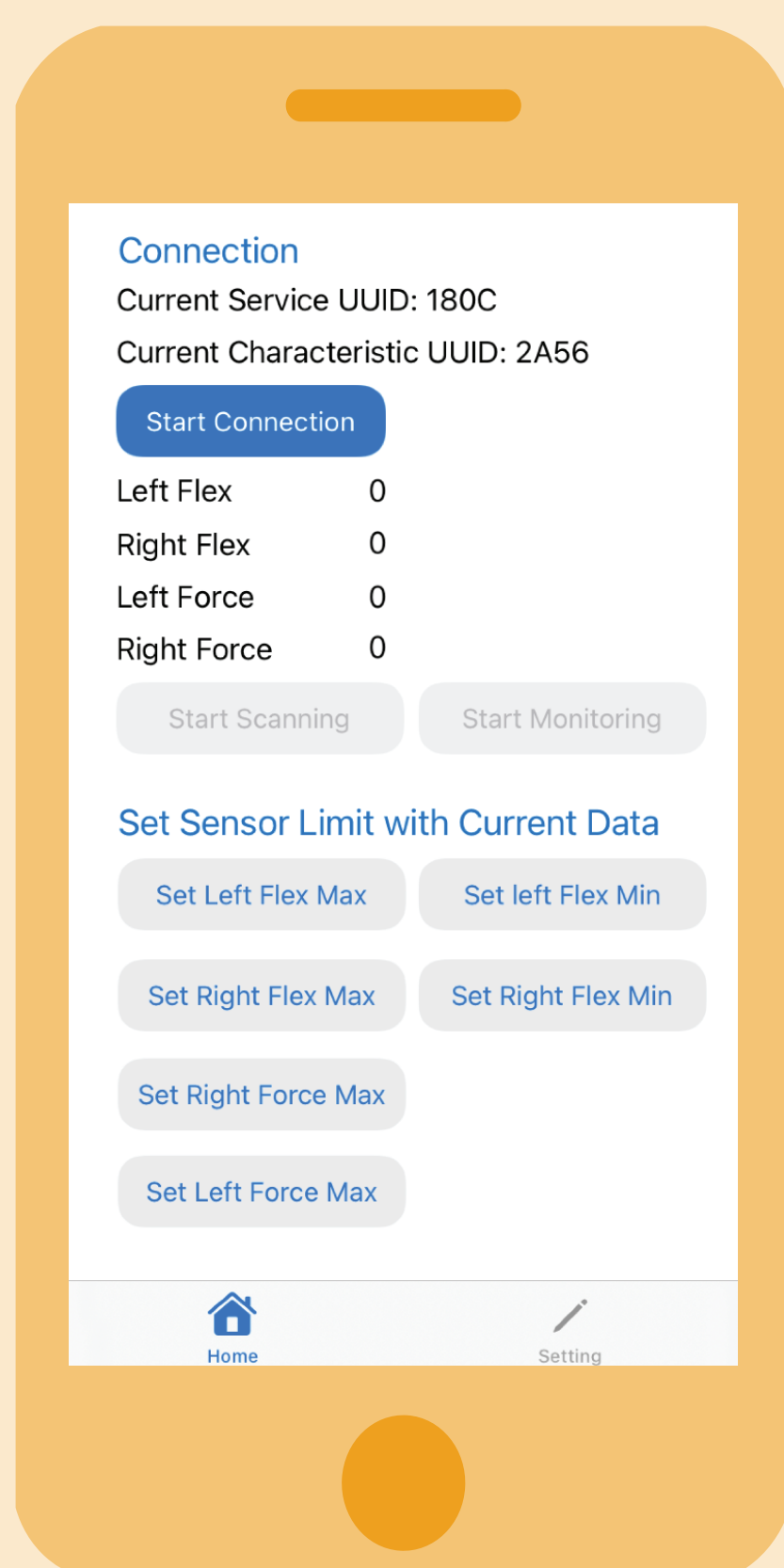


# SMART ANKLE SENSOR

A technology enhancing ankle braces that uses sensors to track harmful movements and alerts the wearer to avoid further injury from mild sprain

Yuren Sun

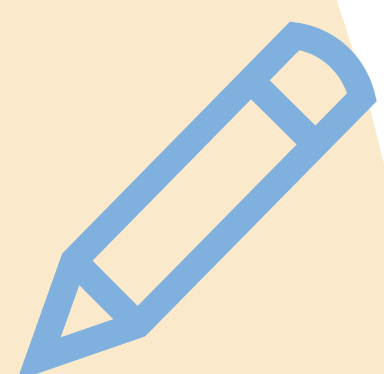
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**One-click connect through Bluetooth**



**Monitor ankle movements with sensor data**



**Customize thresholds for detection and alert**



**Send alerts when harmful movements are detected**