1.09: Tetherband
Sponsor: Texas State
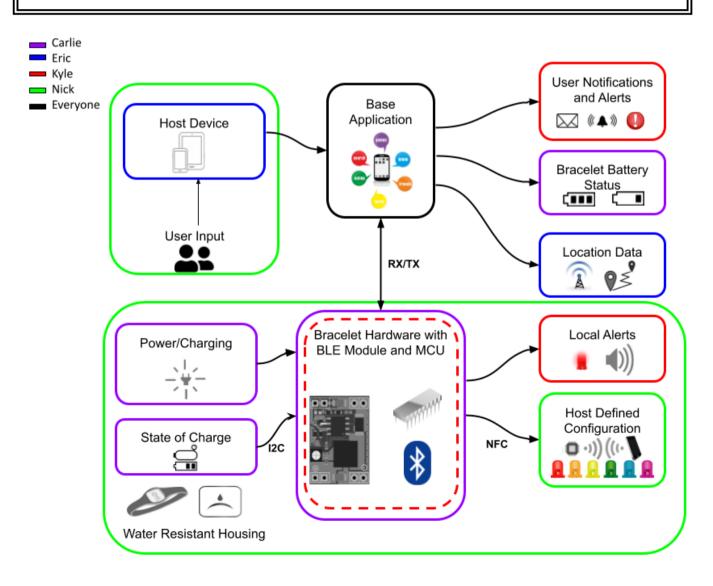

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Legend:
- Carlie
- Eric
- Kyle
- Nick
- Everyone

What is it?

- Tetherband is a Bluetooth enabled bracelet that keeps track of proximity of children to their supervisors in a group setting.

What does it do?

- It sends alerts to supervisors and children wearing the bracelet when they are out of range.

How does it do this?

- Distance Determination via Bluetooth Received Signal Strength
- Custom PCB Layout for optimum size and efficiency
- NFC Pairing capabilities for ease of use
- Sensor to verify child keeps bracelet on with supervisor notifications if removed
- Custom in-app configuration options for groups of up to 8 children (iOS 14 capable)

What are your plans for D2?

- Complete Prototyping
- Unit Testing
- System Integration
- Product Release