Data Integrity over BLE

BLE Transmission

- Mock JSON data stream from ESP32 was correctly intercepted and processed by iOS app
- Commands sent from iOS were received and processed by ESP32 with <1s latency

App & System Integration

App Integration

- Performed as intended with mock data sent from ESP32 and mock video data
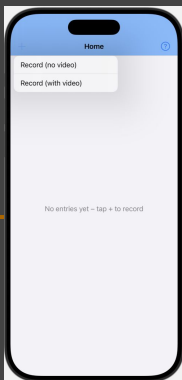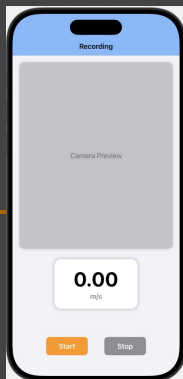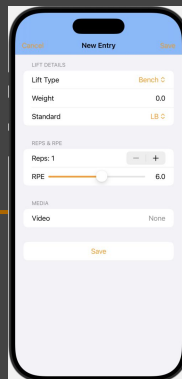- Successfully stores session data for squat, bench, and deadlift exercises in database
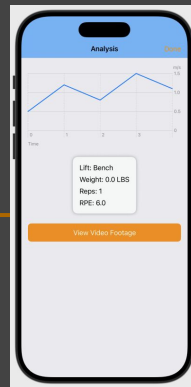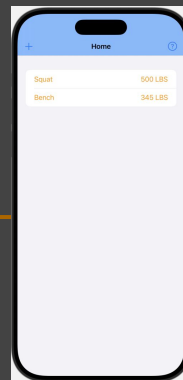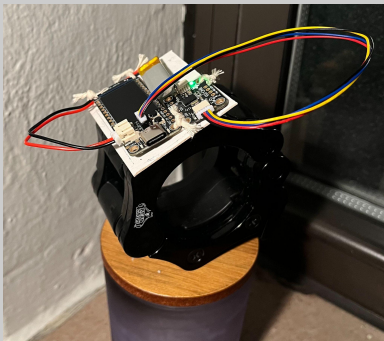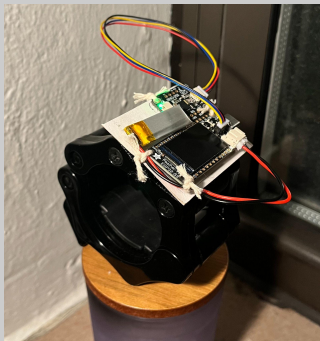
Setup

Recording Data

Processing
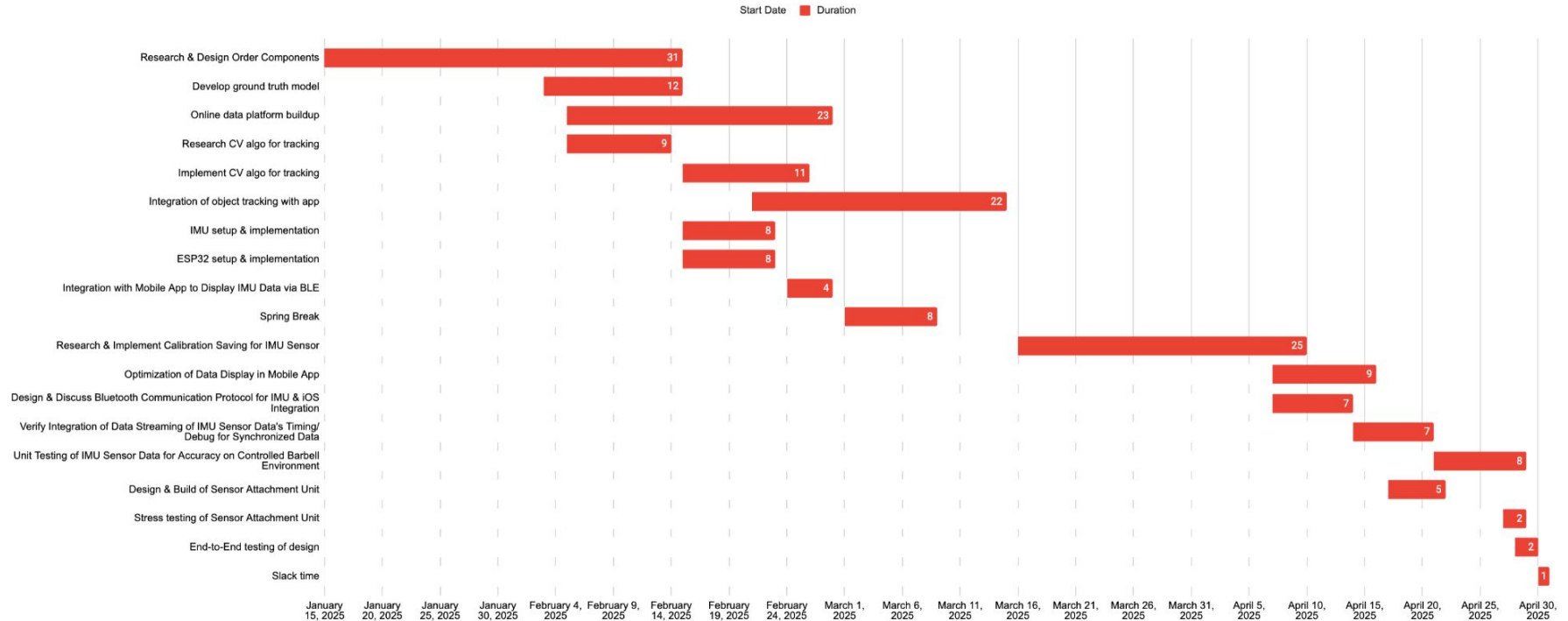
Feedback

RiseVBT

COMPLETE SOLUTION

What you'll see on demo day

What Changed?

Remaining Work

Stress testing

Visual battery monitor

Balance Visualization

Final Prototype

Train with Data, Lift with Power.

RiseVBT