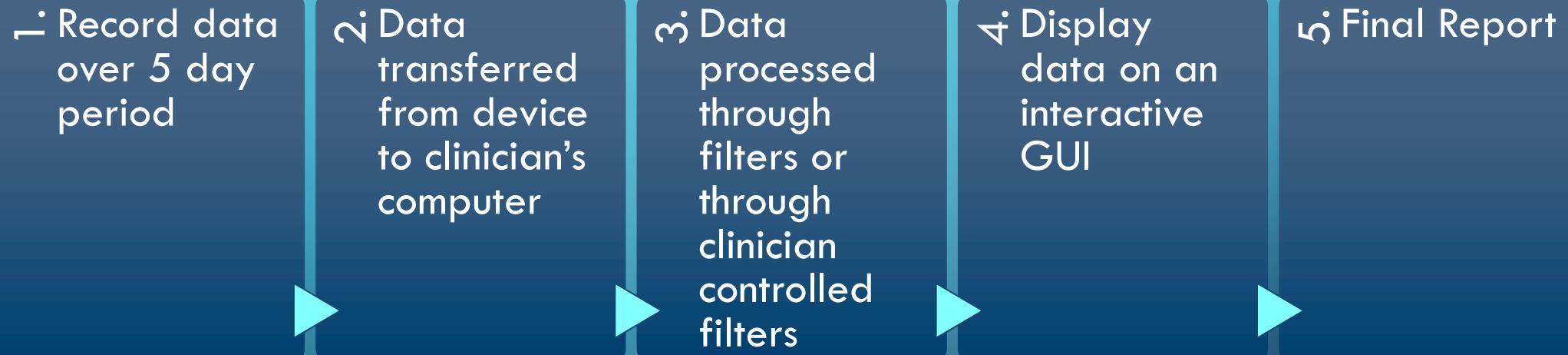




THE DREAM TEAM: AN RLS MONITOR DESIGN PROPOSAL

ISABEL ANDERSON, MAURICIO BUILES, JAMES GRUSY, XAVIER WILLIAMS

DATA FLOW PROCESS



TARGET DEVICE SPECIFICATIONS

Data Collection of limb acceleration

Data rendering and identification on PC

Wirelessly transmitted data

Sealed enclosure

Cleanable device

No user interface for patient

Battery life of at least 5 days



DATA ACQUISITION



Movement Detected



Picked up by accelerometer
on circuit board



Stored in internal
memory

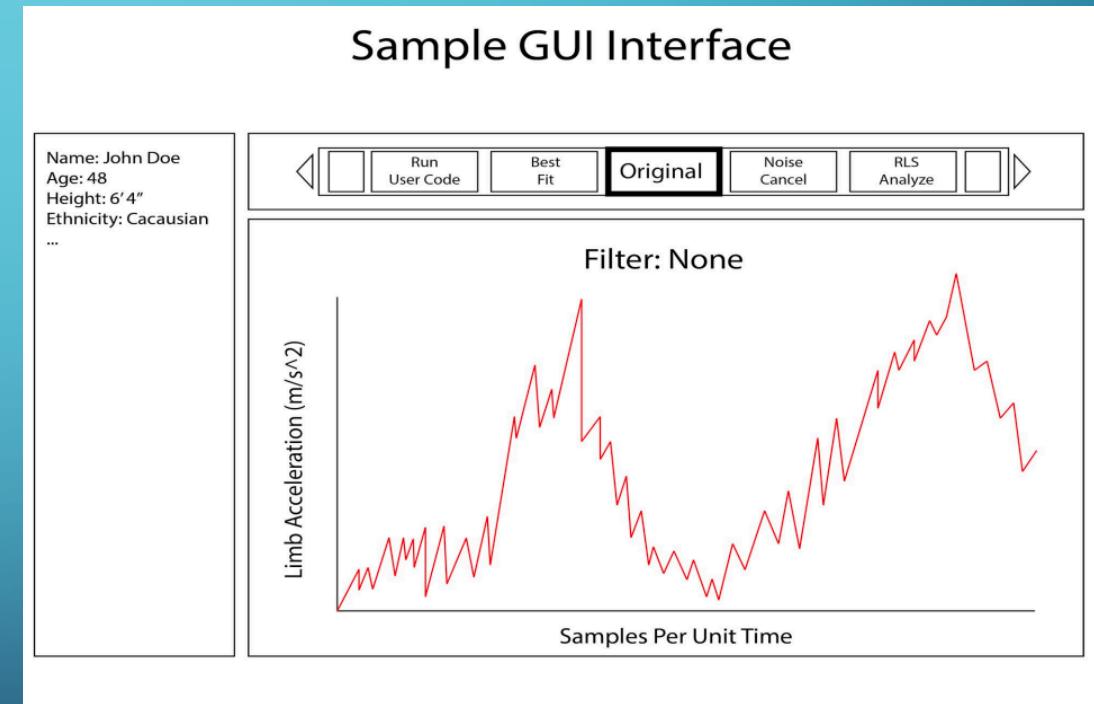


Data wirelessly transmitted once
charging is detected

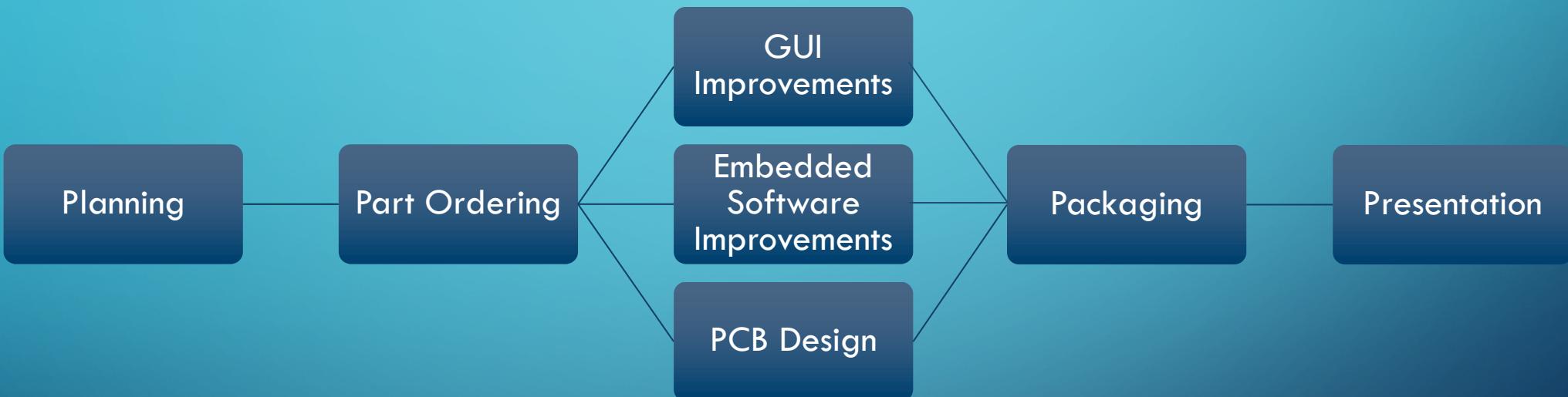


SOFTWARE DEVELOPMENT AND INTEGRATION

- Graphical interface for clinicians to view data
- Ability to execute filters that help identify movements
- Wireless data transfer



SCHEDULE



STATUS

○ Meeting Expectations