



ScopeFace

Don't Miss a Beat

Project Update

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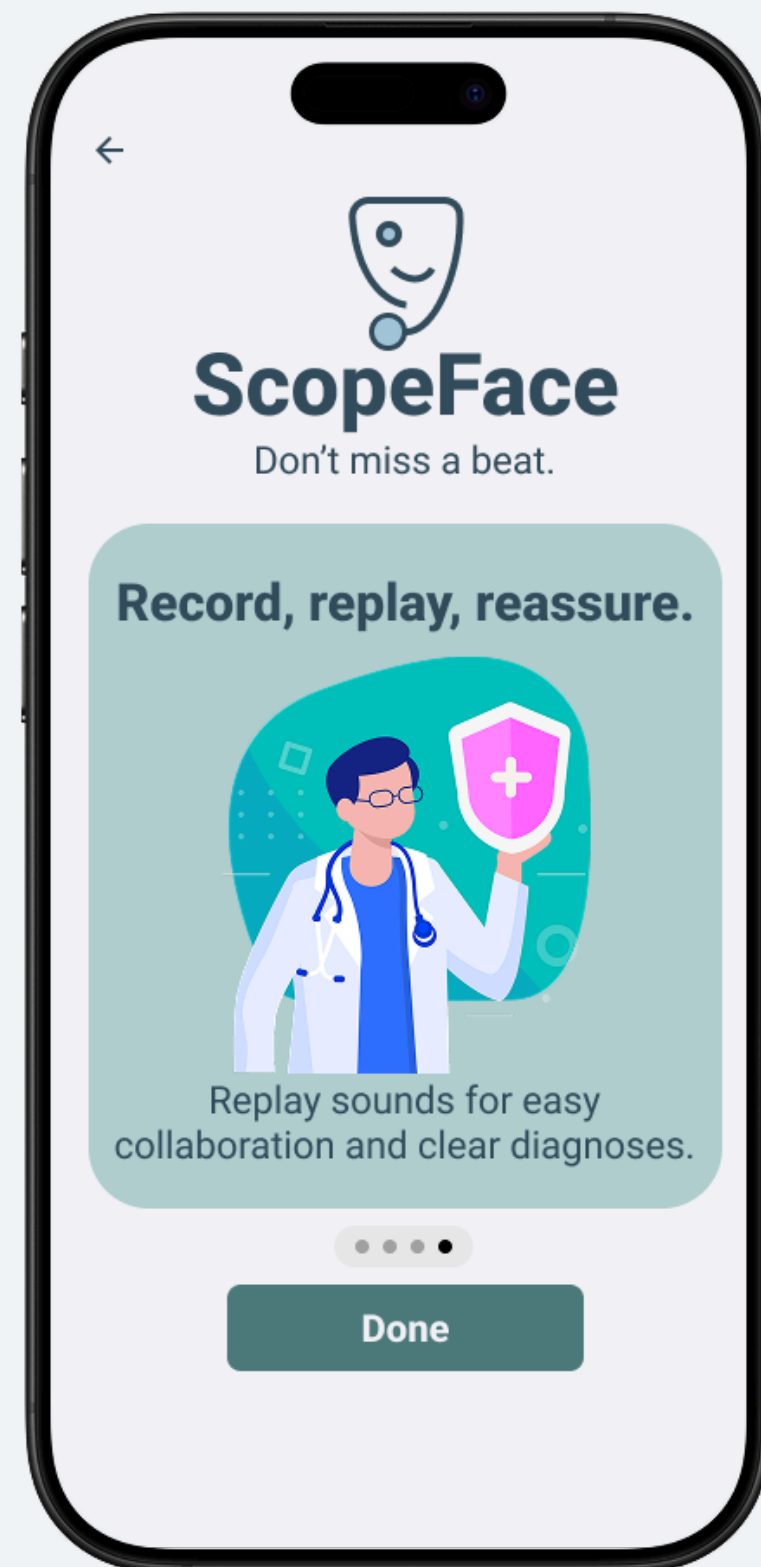




Motivation

- Fast-paced setting
- Loud environments
- Faint sounds
- Stethoscopes easily lost

Core Product



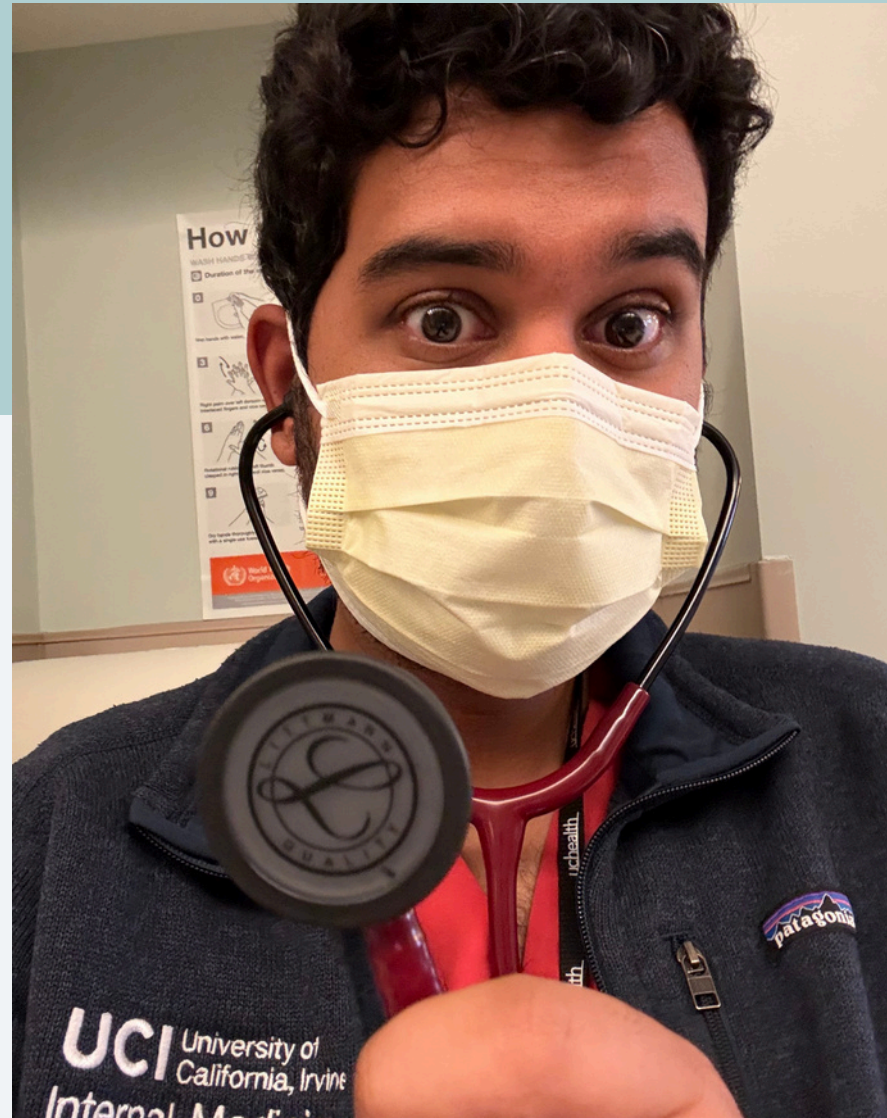
Our MVP includes

- Acoustic signal acquisition and amplification
- A portable and durable hardware design
- Visualization of heart and lung waveforms via companion app
- In-app recording playback functionality

User Research



New RN Graduate



First Year Resident

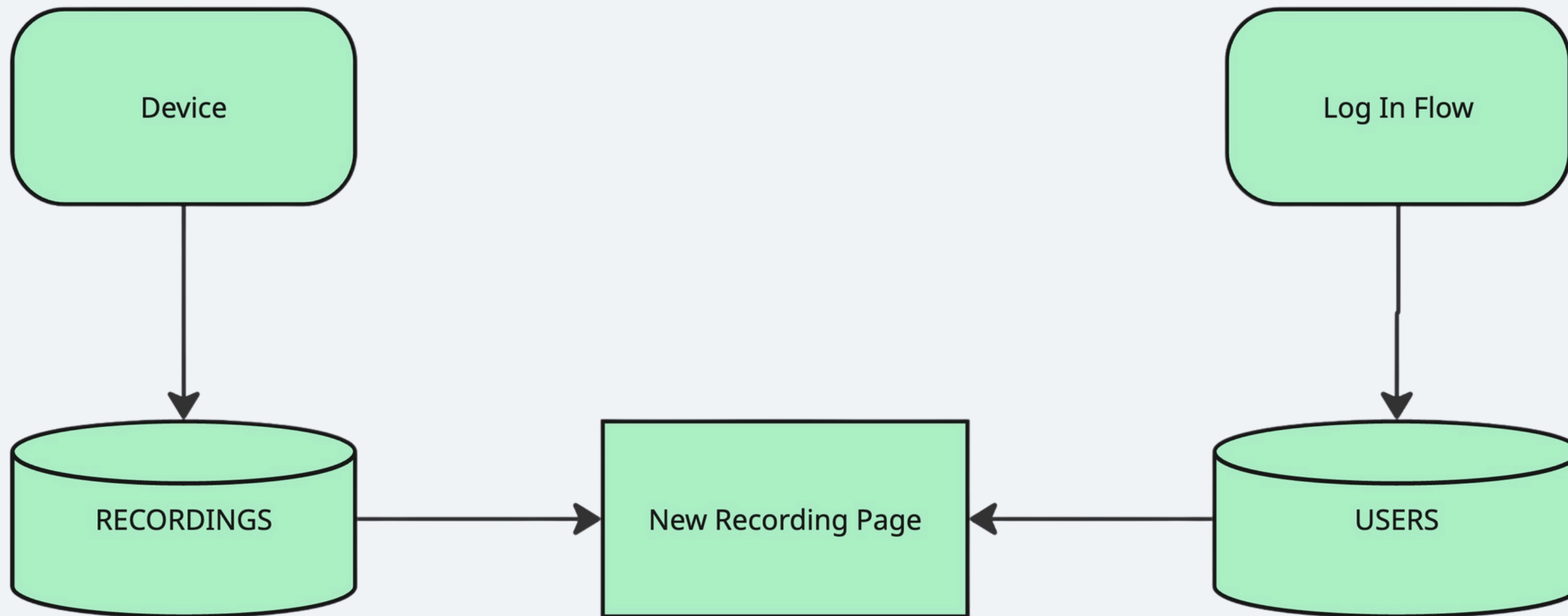


Early Career PA





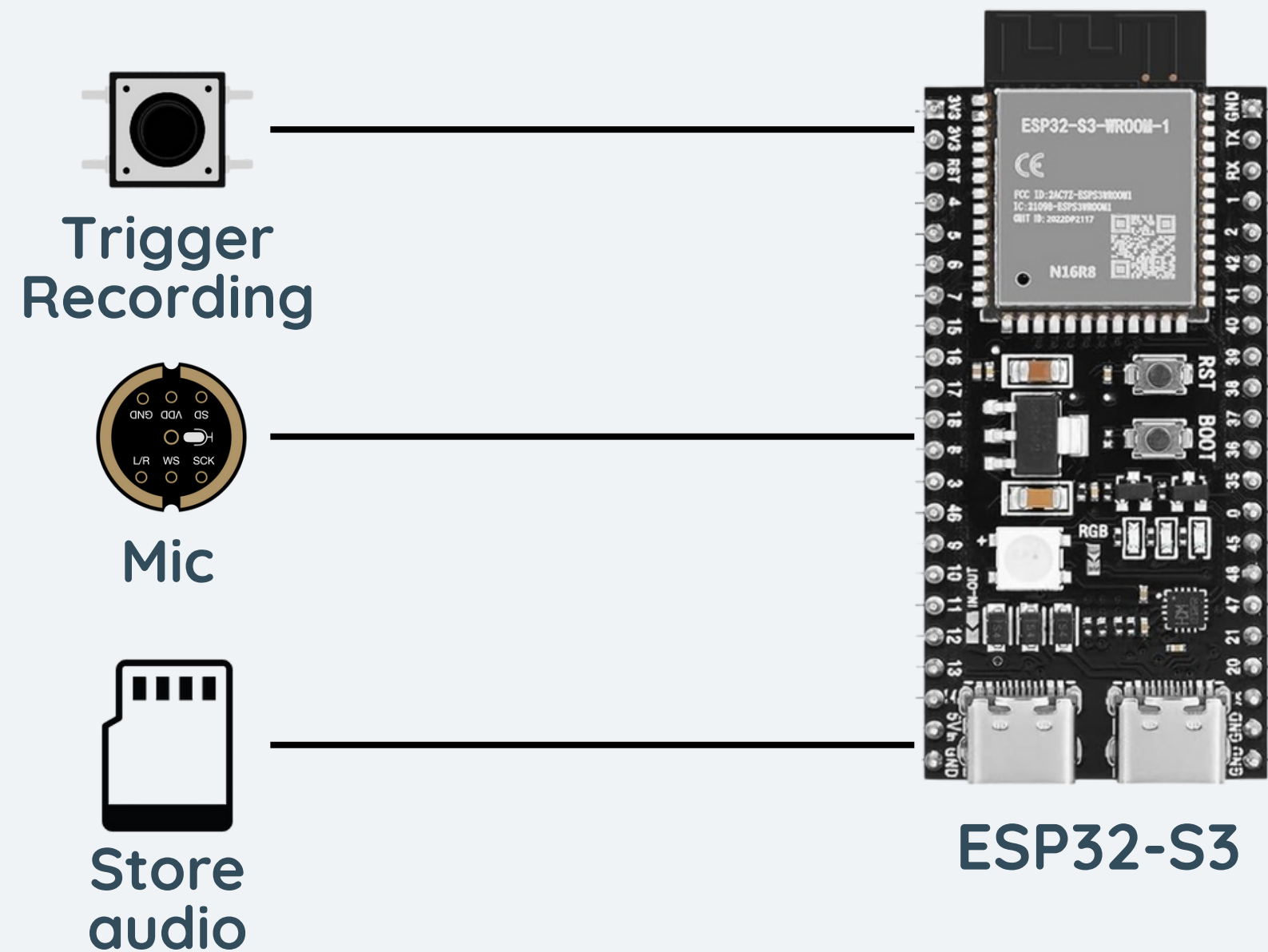
MVP Software System Design



UI Prototypes & Authentication



Hardware System Design



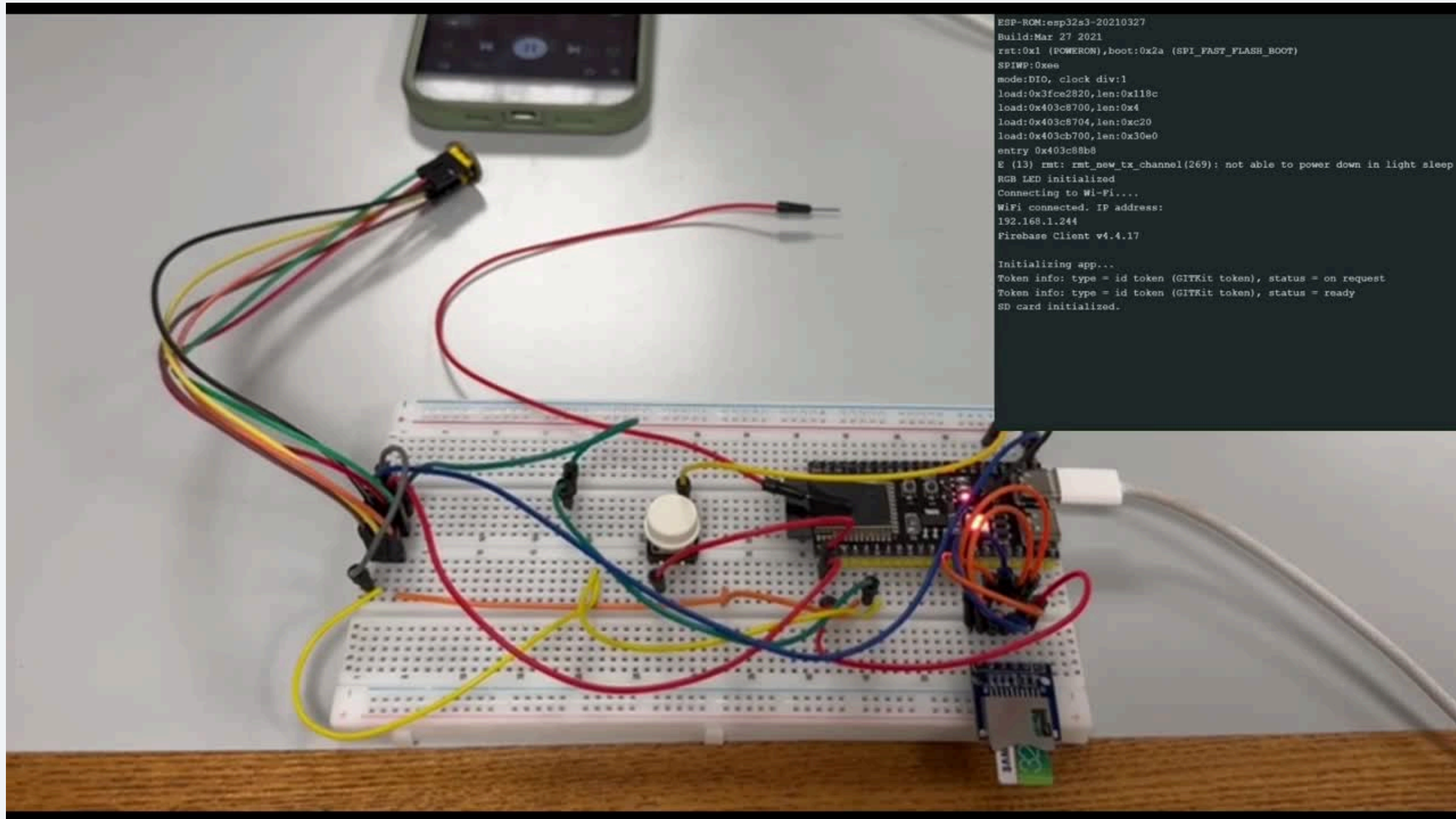
Firestore

MVP Progress

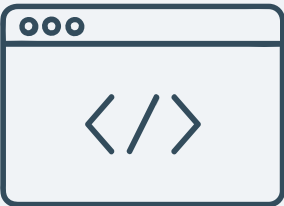
- Mic data acquisition
- Mic data storage
- Data transmission over WiFi



Hardware Prototypes



Next Steps: Software



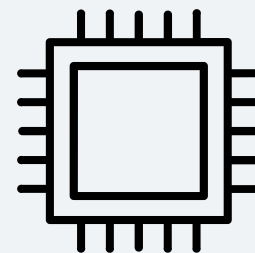
Deliverable	Person	Priority
MVP UI Complete	Shelby	P0
Audio Tagging & Integration	Siya	P0
Nice to have features	Shelby	P1
Deploy app to TestFlight	Siya	P2

Week 8

Week 10

Priority	Key
P0	Critical
P1	Important
P2	Stretch goal

Next Steps: Hardware



Deliverable	Person	Priority
Swap Mic	Shayan	P0
Heartbeat/Lung sound filtering	Amrita	P1
Design and Build Casing	Shayan	P0
ML classification	Amrita	P2

Week 7-8

Week 9-10

Priority	Key
P0	Critical
P1	Important
P2	Stretch goal