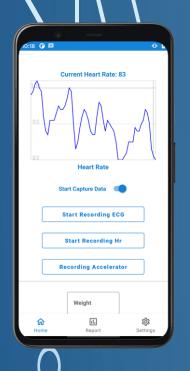
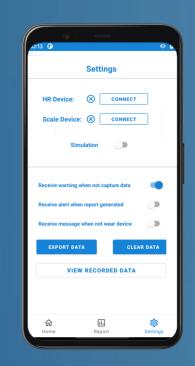
## Group 19 Haonan CHEN Rongjiang YANG Yiyang LI Hudie LIU

Xiaotian XIA

## Mobile System for Monitoring Vital Signs







Real Time Data

Vital signs like ECG, heart rate, body weight and so on reflect the health conditions of people. Mobile applications for health monitoring are already on the market but the functionalities are limited.

Our project enable to connect with multiple vital sign devices, satisfy simultaneously the requirements of accuracy of capturing data, safe data transfer and storage, and advanced analyses with medical-grade algorithms.

This system is a prototype that enables connectivity of four devices and represents a basis for future Internet of Things (IoT) enabled uses.





User

Real-time view &Alert



Data
Exchange
Center

Encrypted Data





Yunmai Scale

Capture Data

Capture Data



Export Data

Send Results



Process Data (Clean, standardize)

Our Android Application (temporary storage)



Advanced Analysis

Local Server (long-term storage)

Professional medical analysis

