

Pulse oxymeter

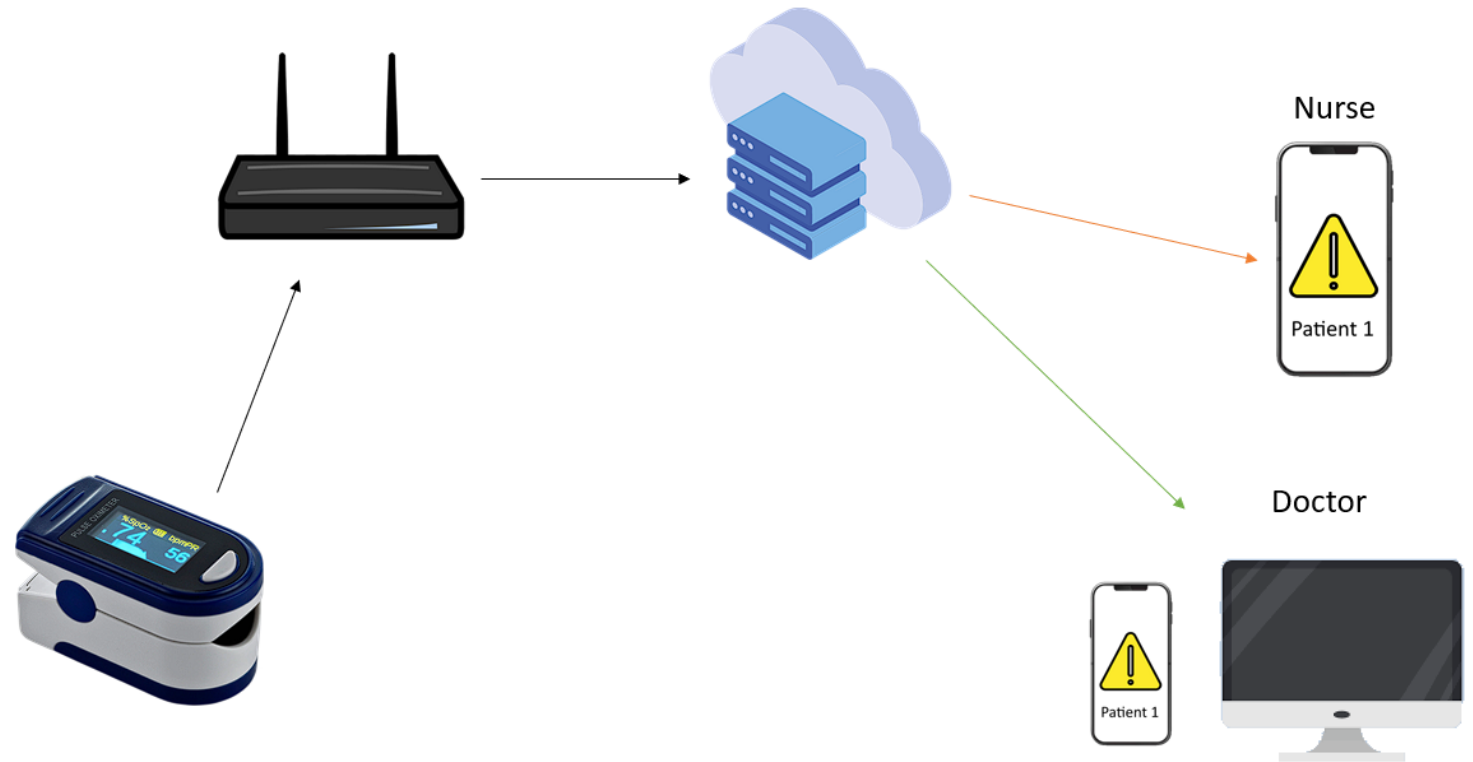
Cloud Server

Problem

- Today's pulse oxymeters are wired
-> making patients immobile
- Nurses have to many patients to control

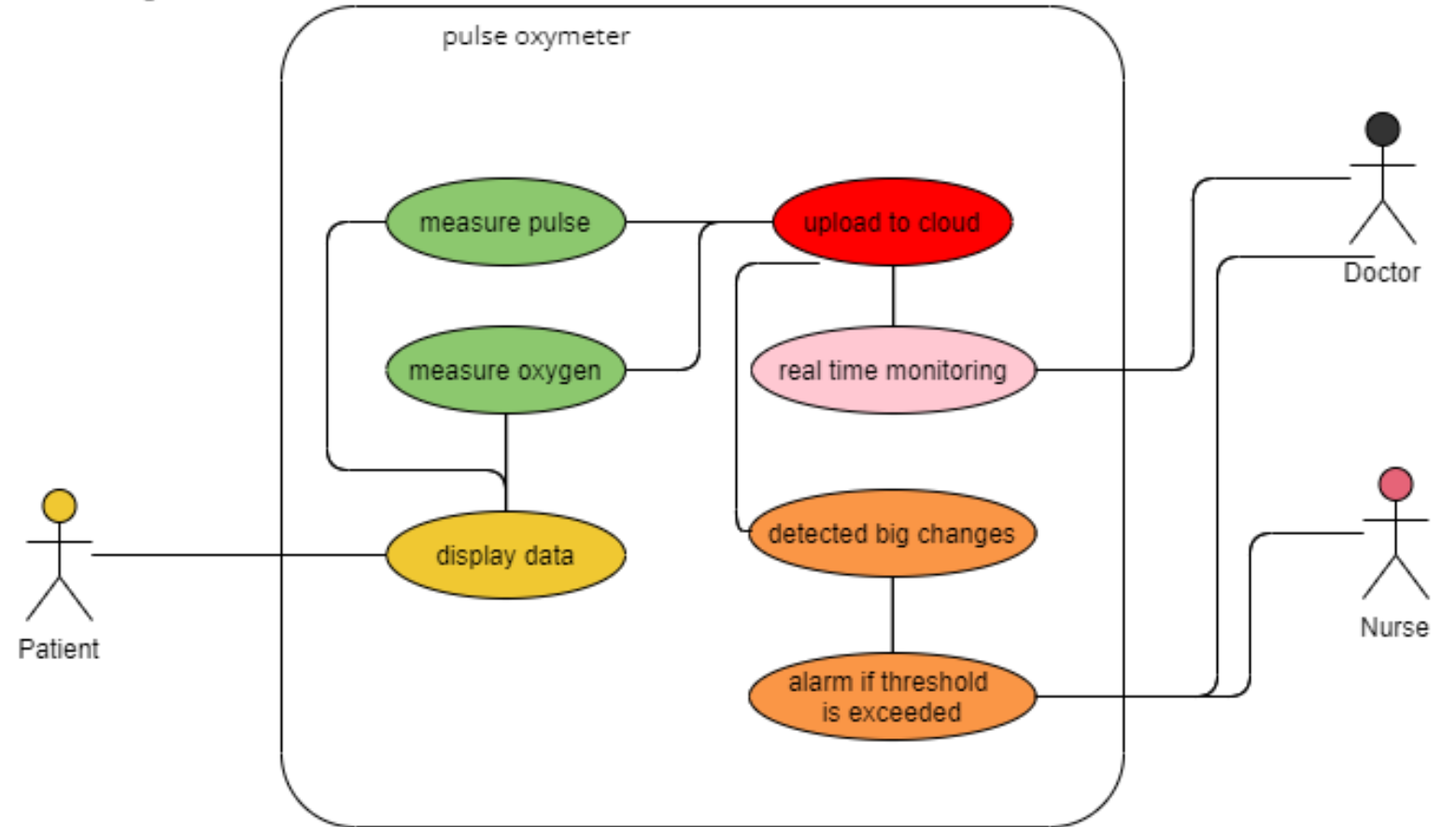
Idea

- Portable pulse oximeter
- Connection to cloud server
- Alarm if threshold is exceeded or patient is in a bad condition
- Real time monitoring over any device



Use case

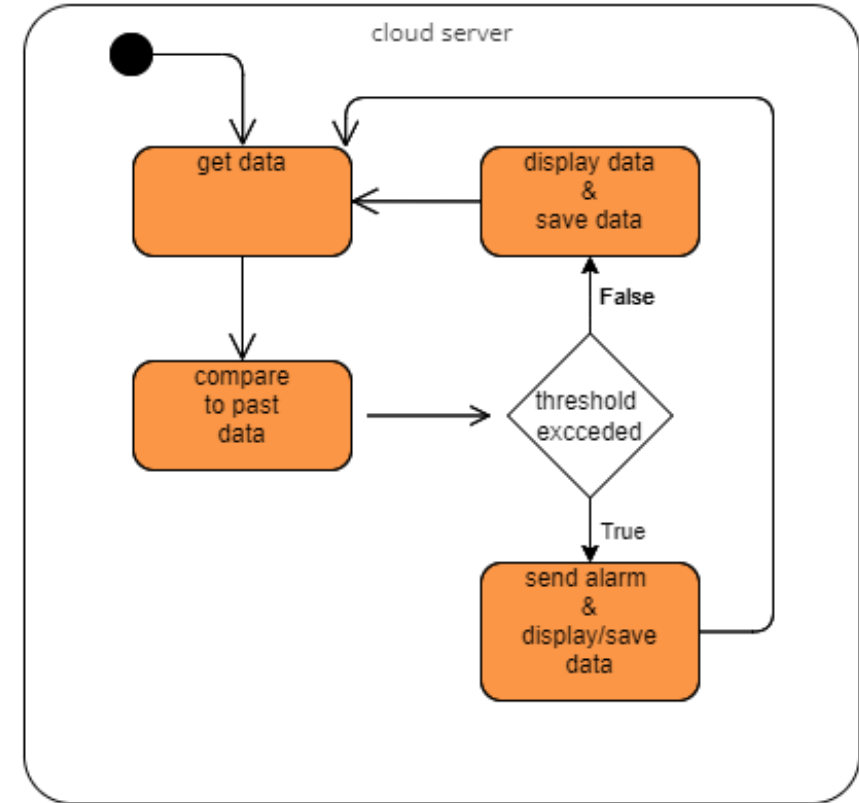
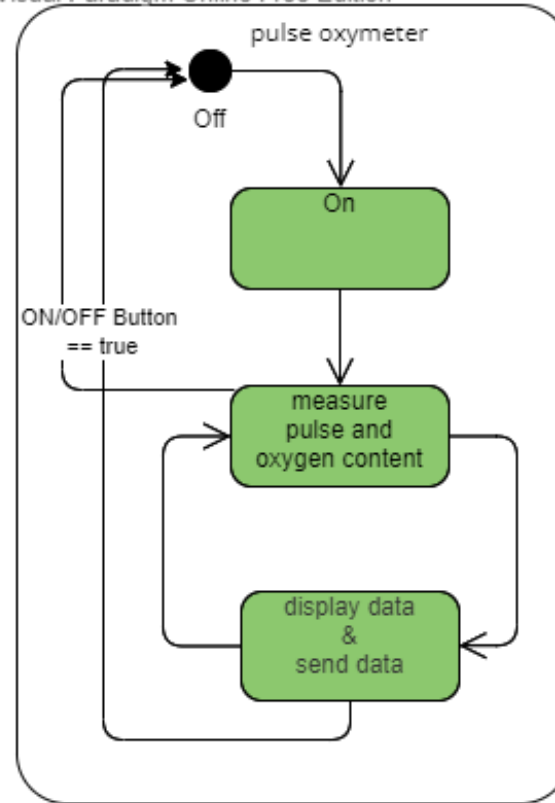
Visual Paradigm Online Free Edition



Visual Paradigm Online Free Edition

State Machine

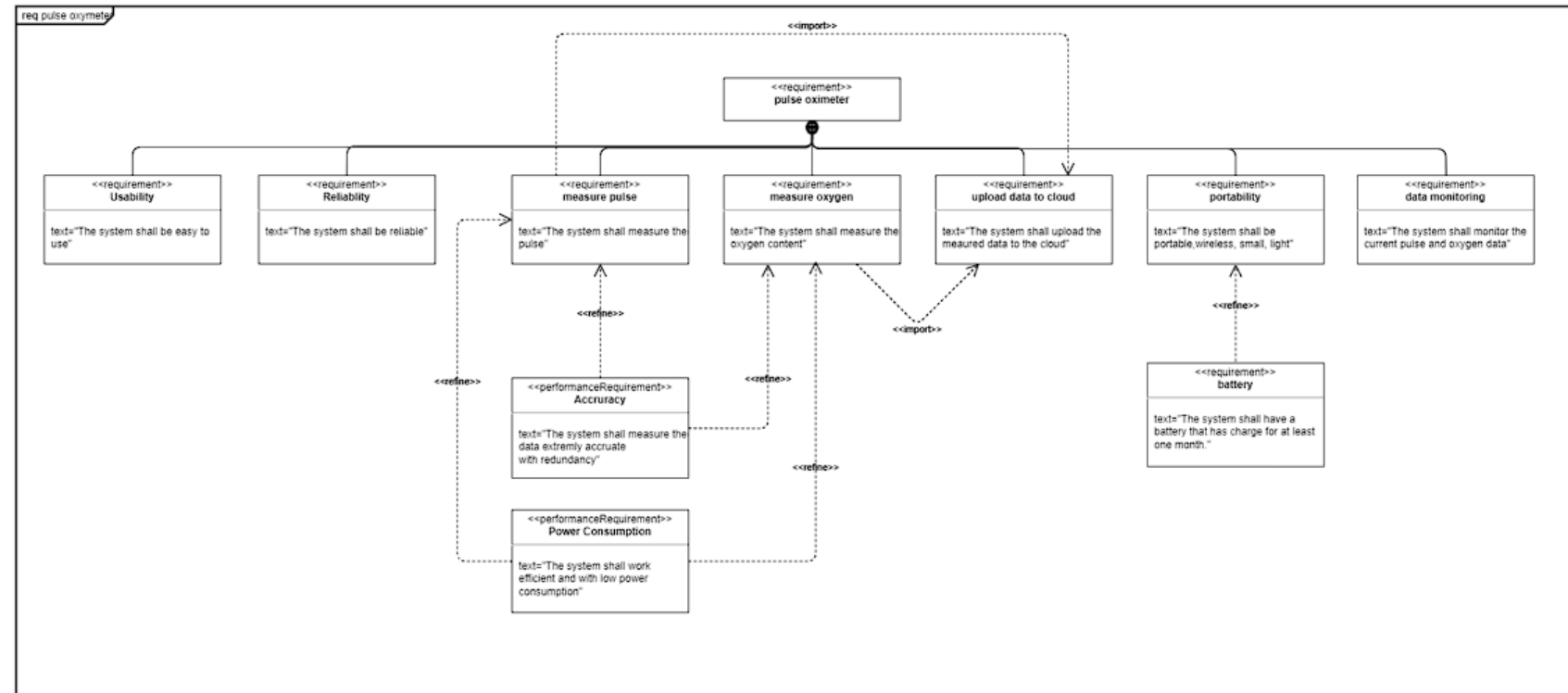
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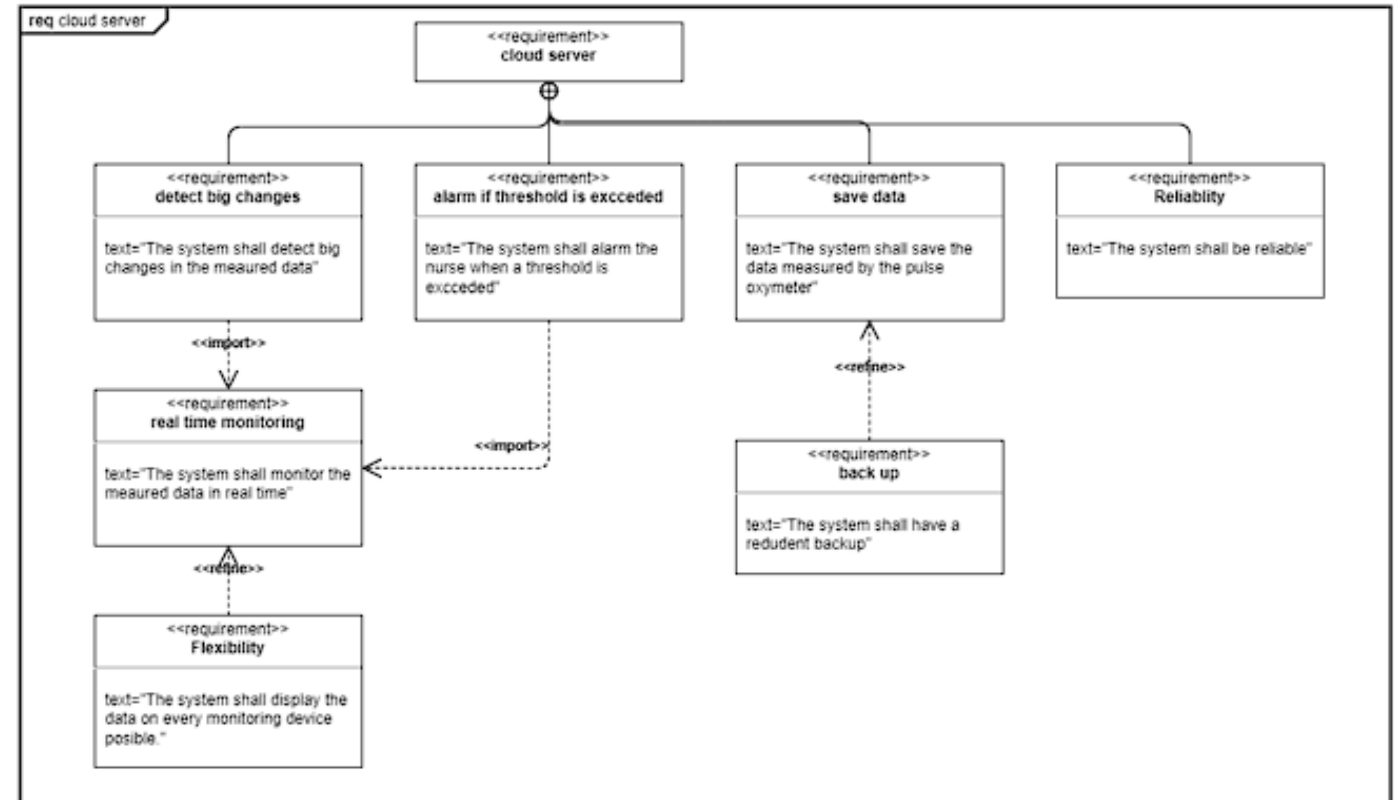
Visual Paradigm Online Free Edition

Requirements Pulse Oximeter

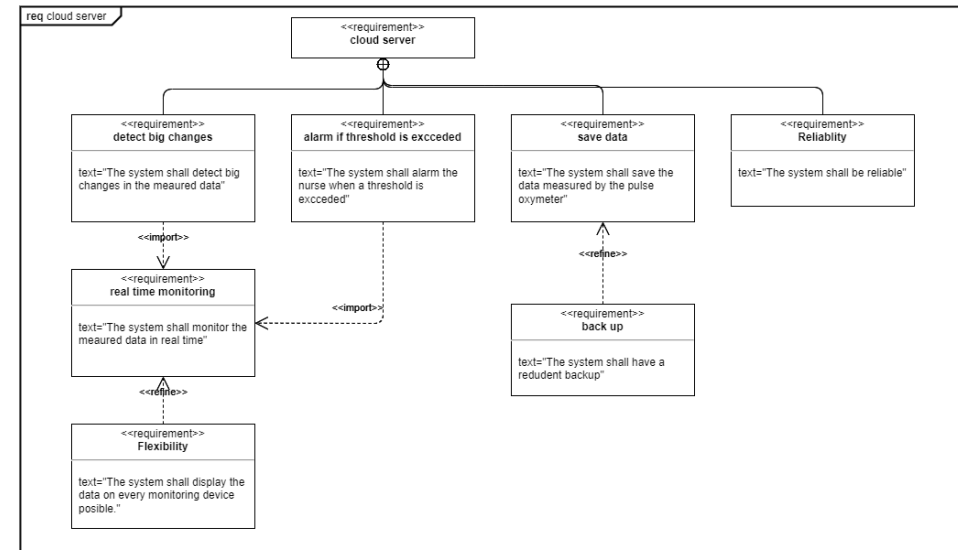
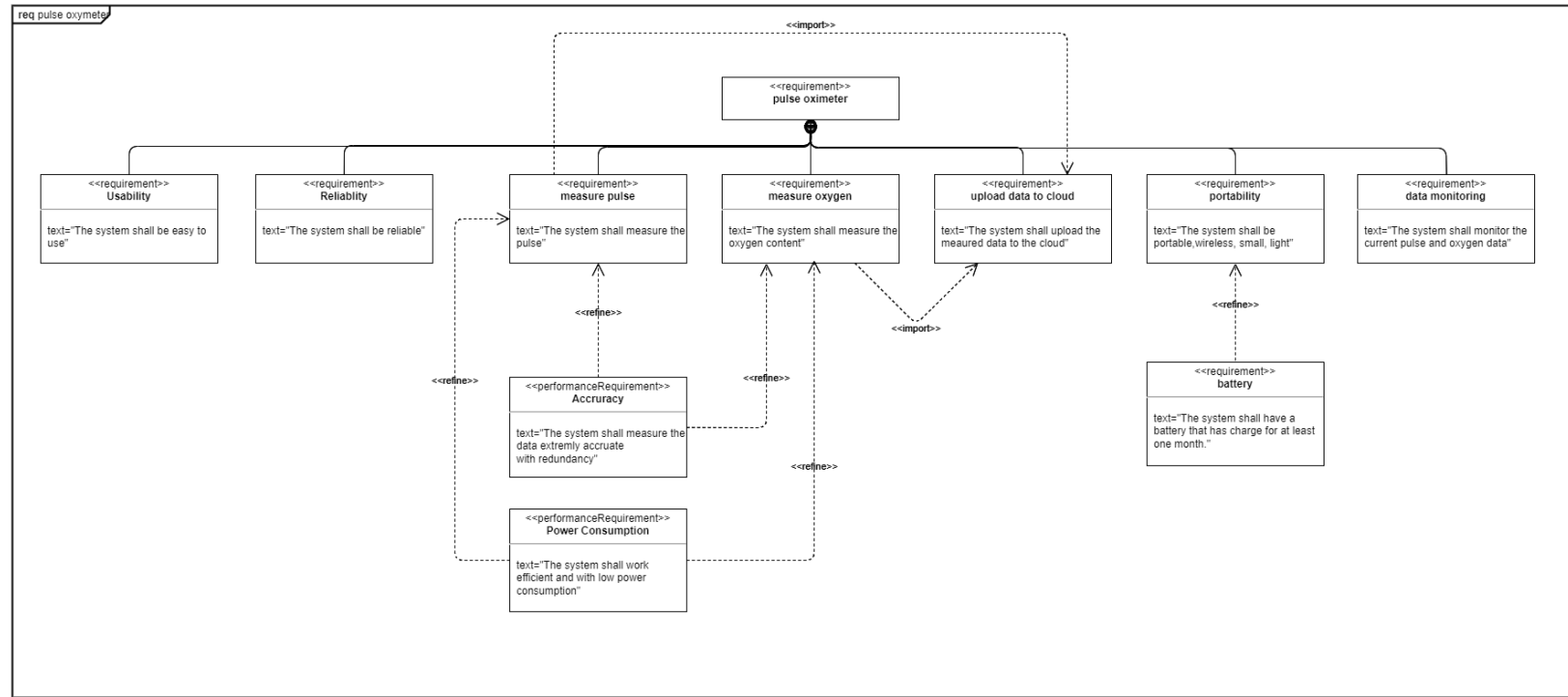
- Usability
- Reliability
- Portability
- Measure pulse
- Measure oxygen
- Accuracy
- Power Consumption



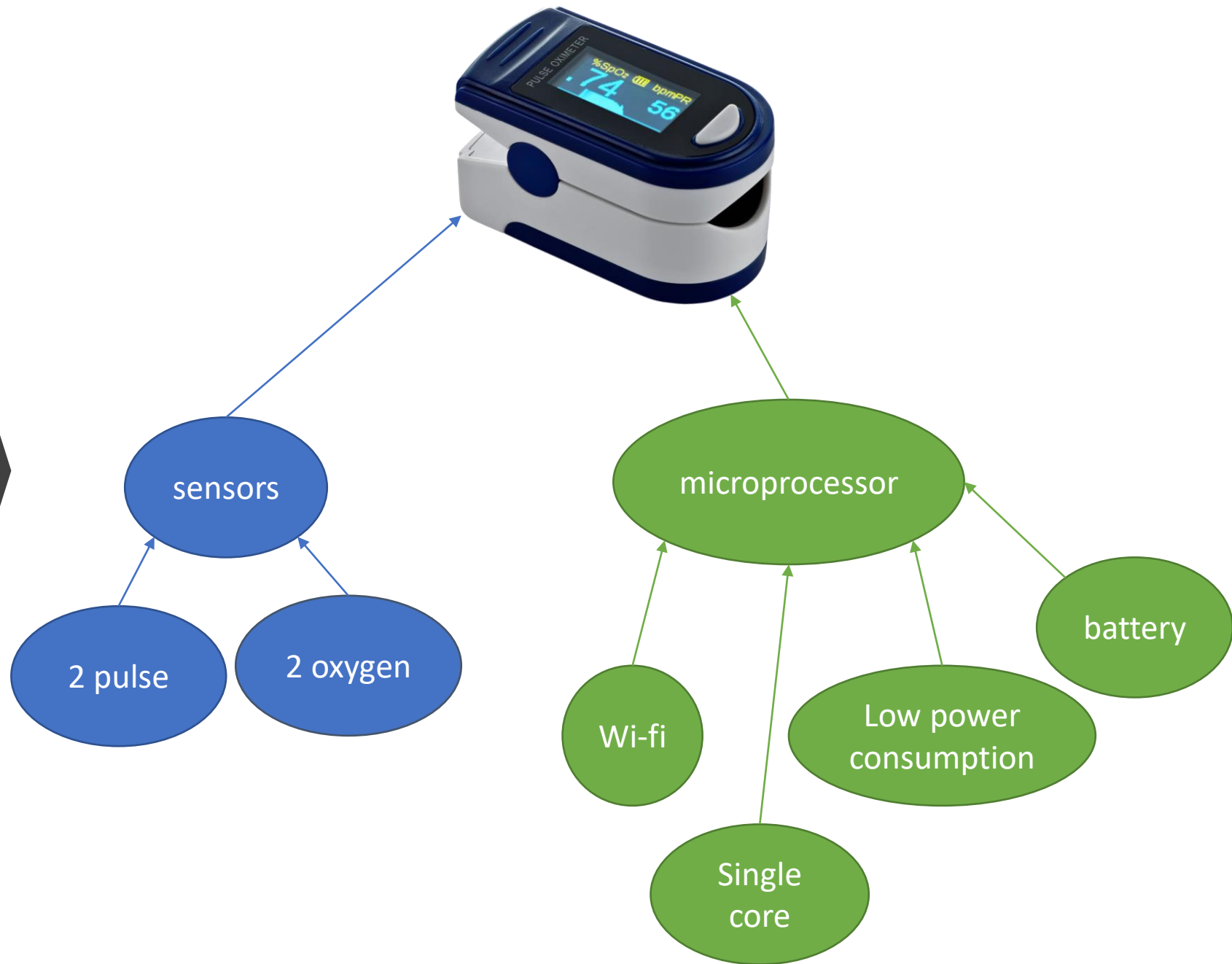
Requirements Cloud server



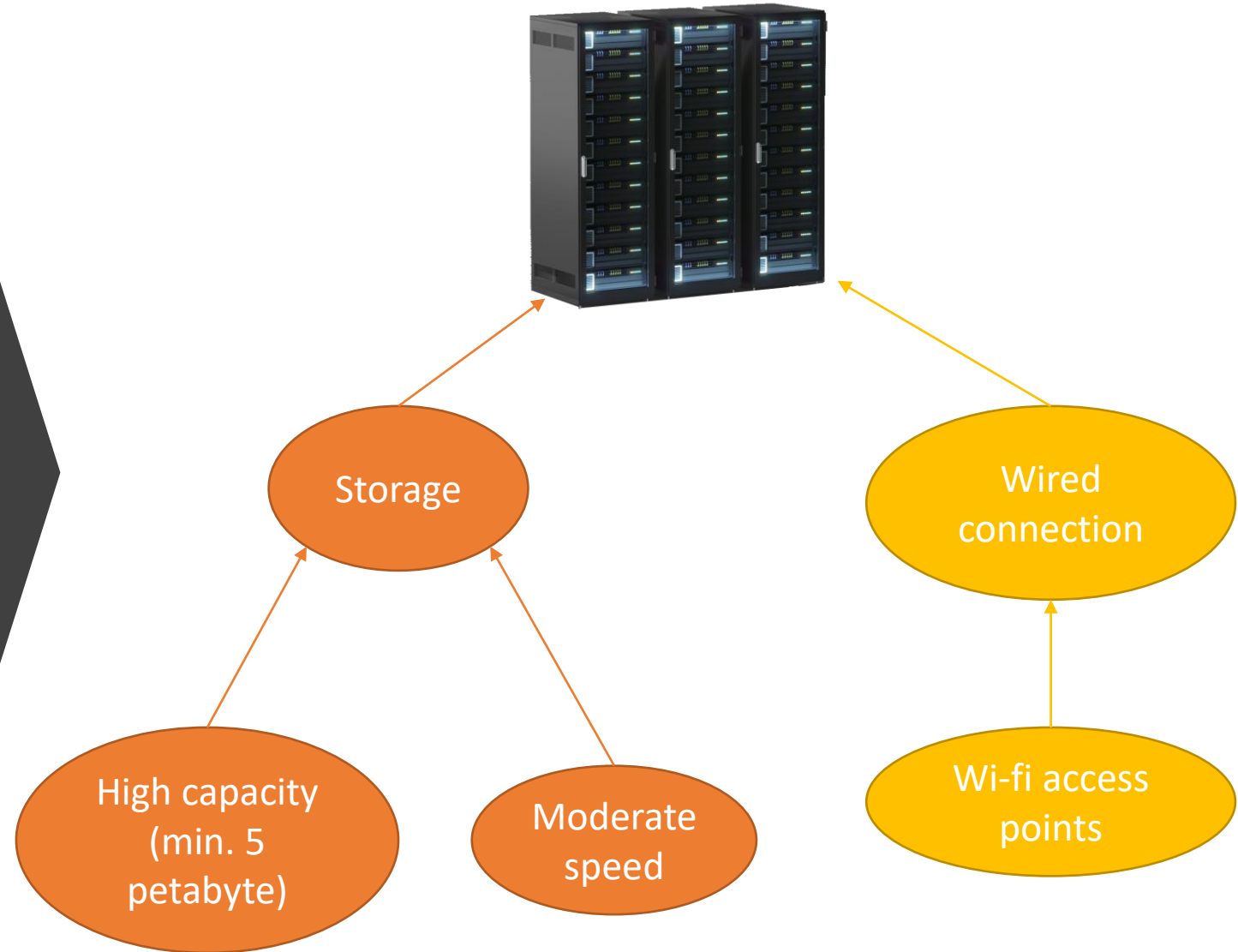
Requirements



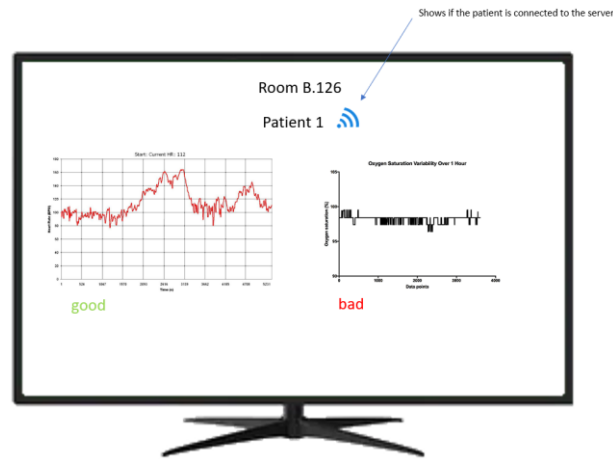
Hardware Pulse Oxymeter



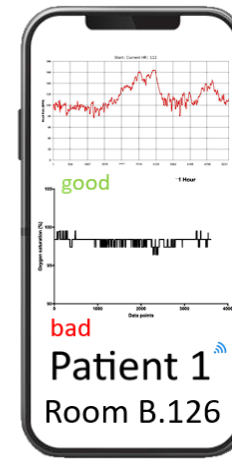
Hardware Cloud Server



User Interface



Oxygen content or pulse



Thank you
