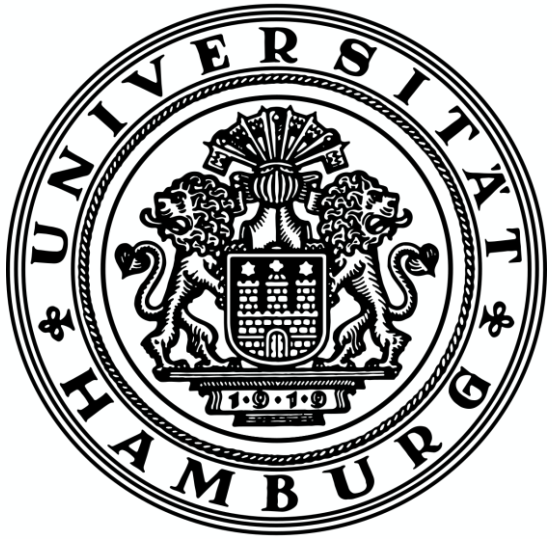


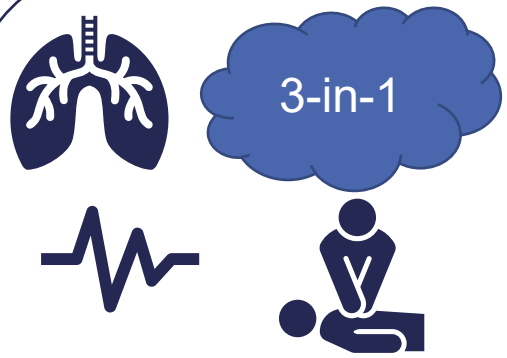
Design Review System Design

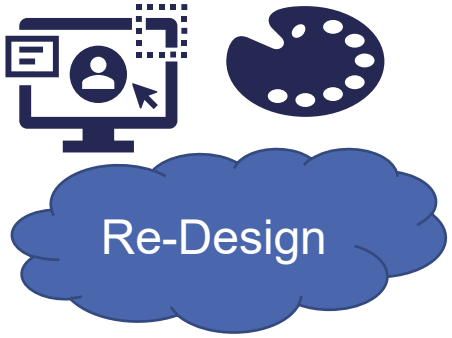
09.12.2021

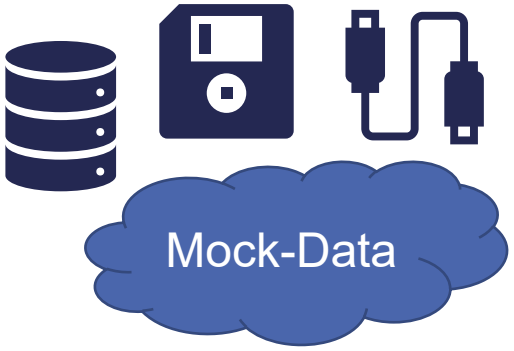
M-Lab 2021/2022

Project Motivation

UKE Research Project







Hi, we‘re Team UKE!

Arne

System Design
Back-End Developer

Max

UX Design
Fullstack Developer

Noah

Fullstack Developer

Mudi

Fullstack Developer

Corvin

Testing
Front-End Developer

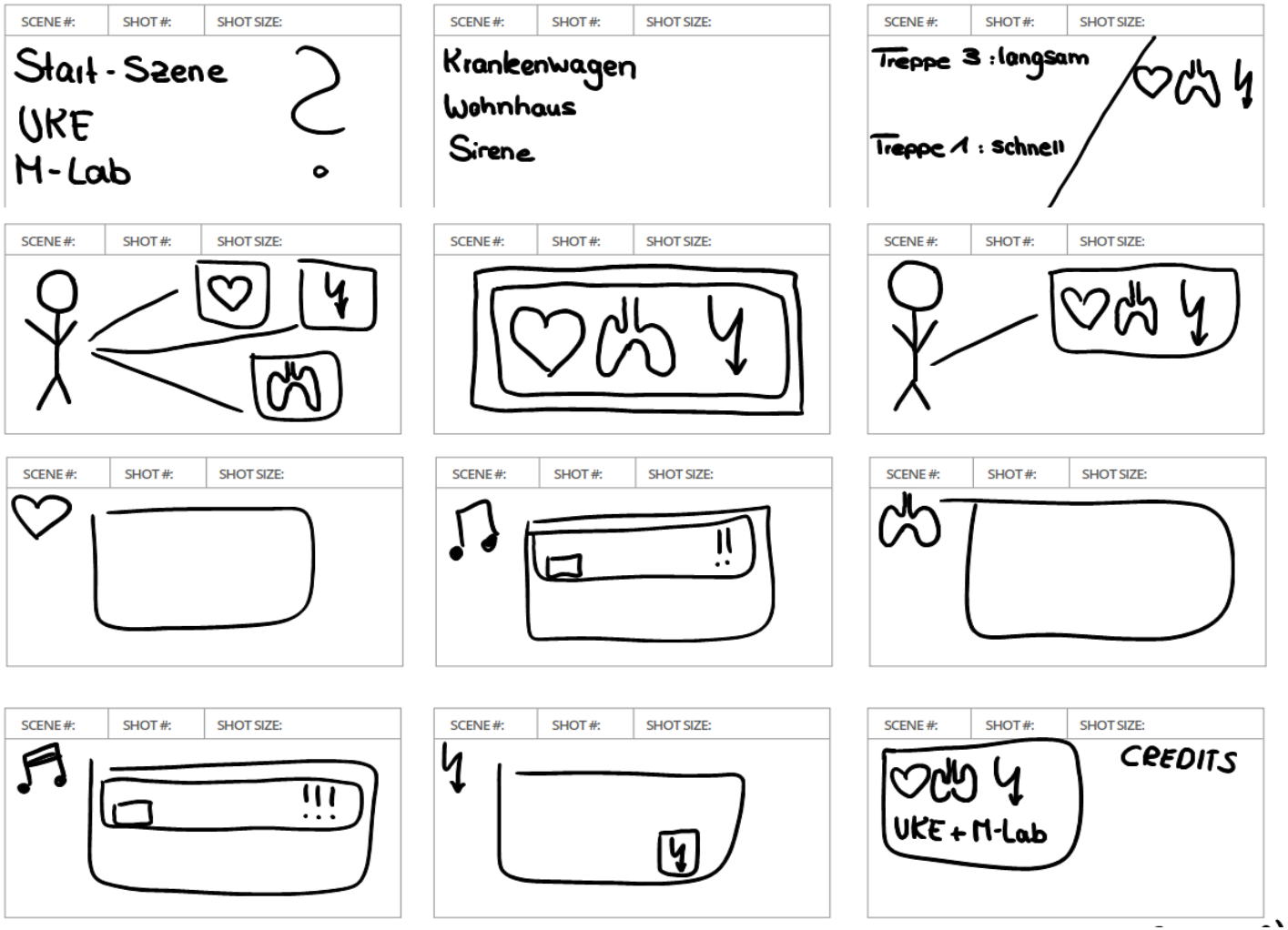
Fynn

DevOps Engineer
Fullstack Developer

Anni

Project Management
Front-End Developer

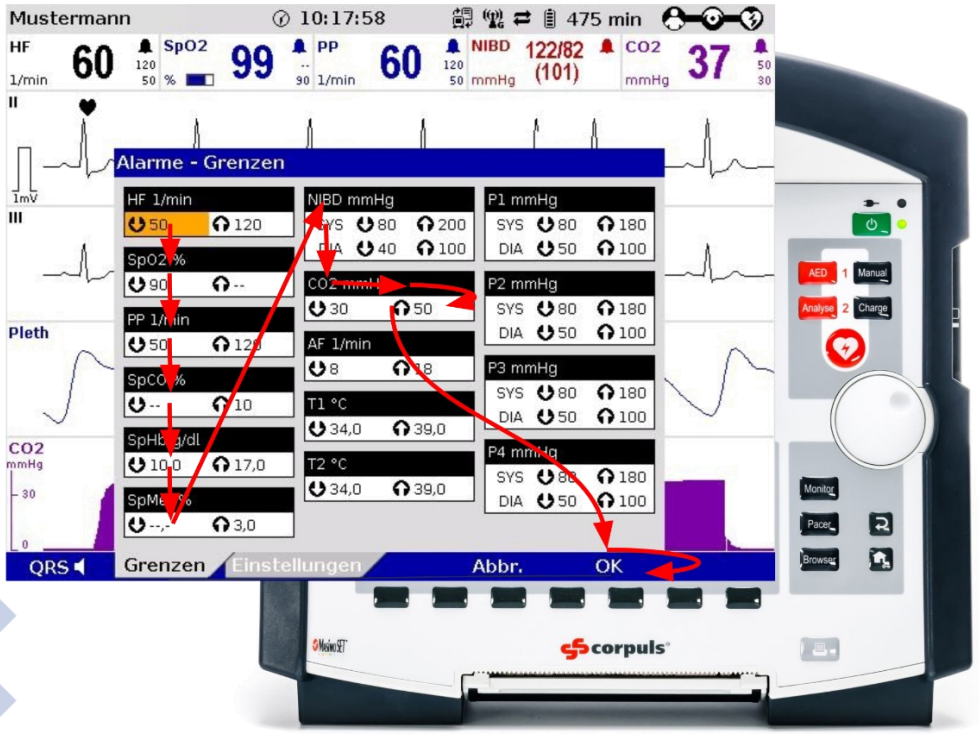
Trailer: Storyboard



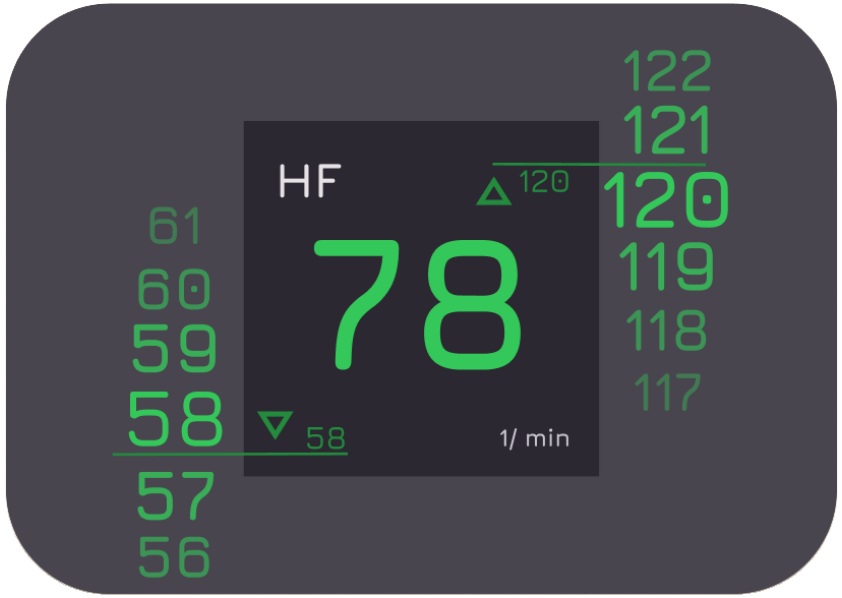
Trailer: Animations

User Friendliness

Old Interface

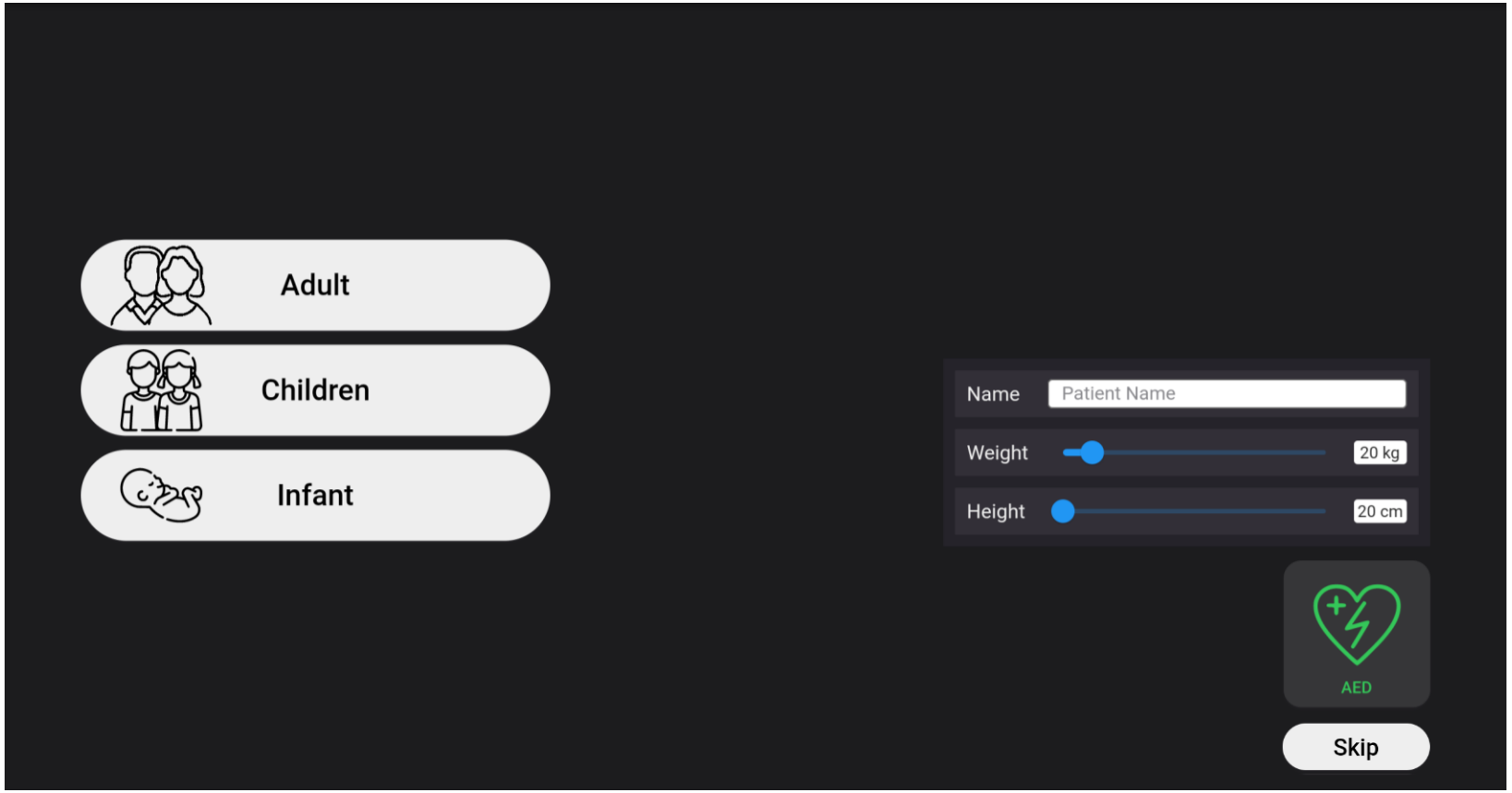


New Interface

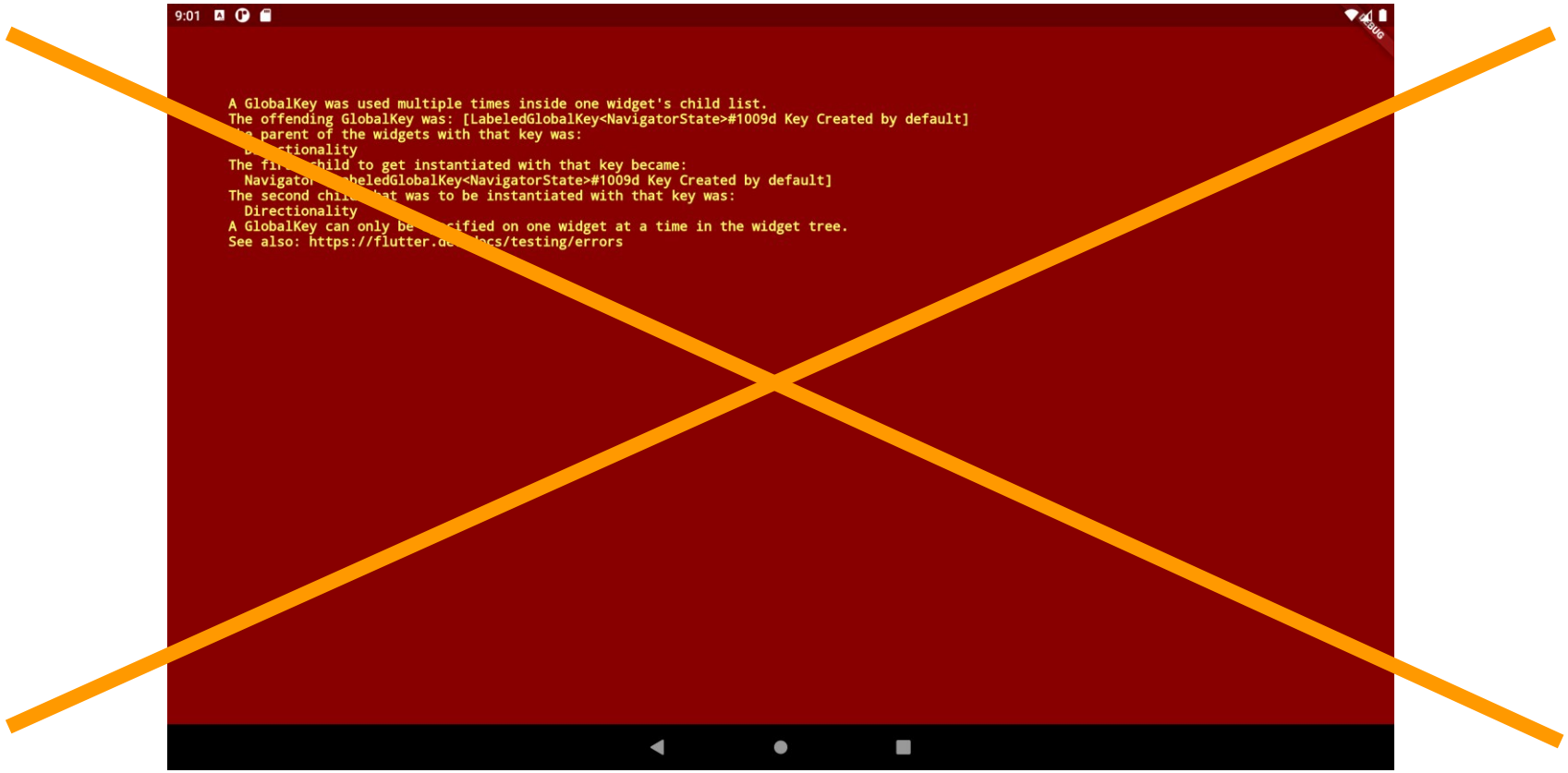


Consistency & Familiarity

Reliability



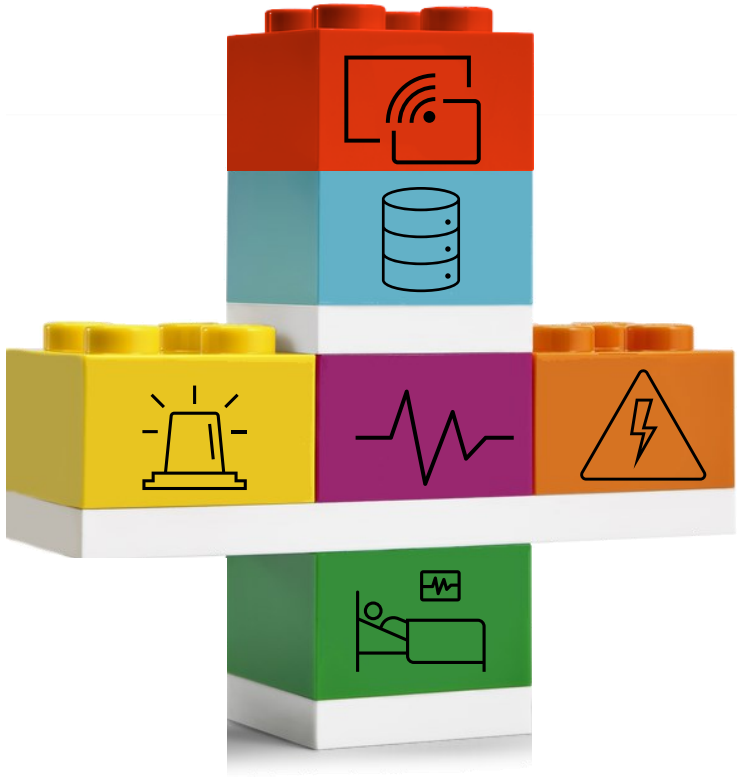
Reliability



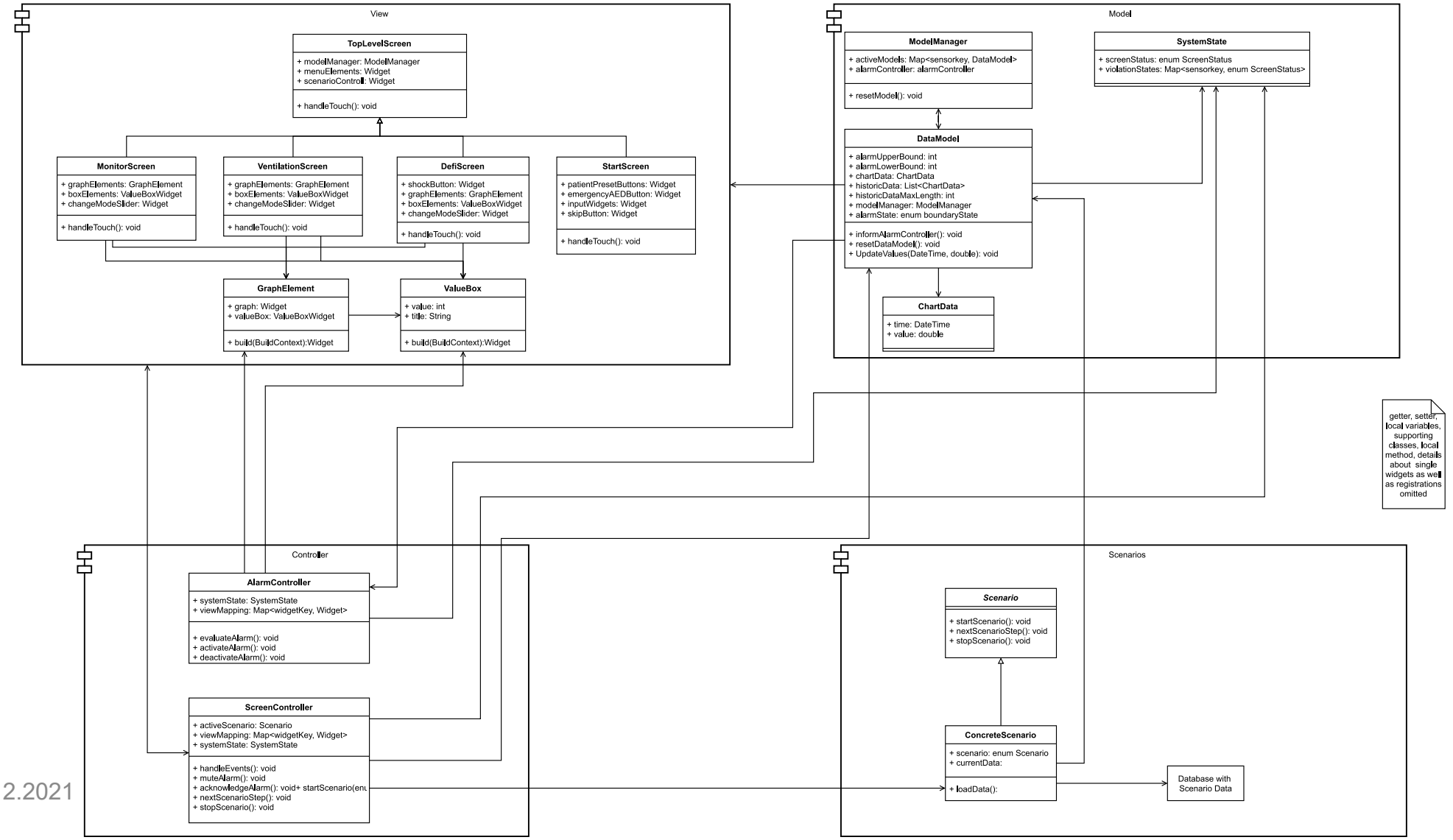
Modifiability & Extensibility

Modifiability

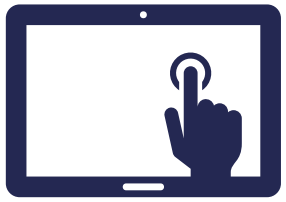
Extensibility



System Design



Purpose of the Components



View

Screens
- Handle user input
- Display data
- Play alarms

Model

- DataModel
  - Mocked SensorData
  - Boundaries for alarms
- SystemState

Controller

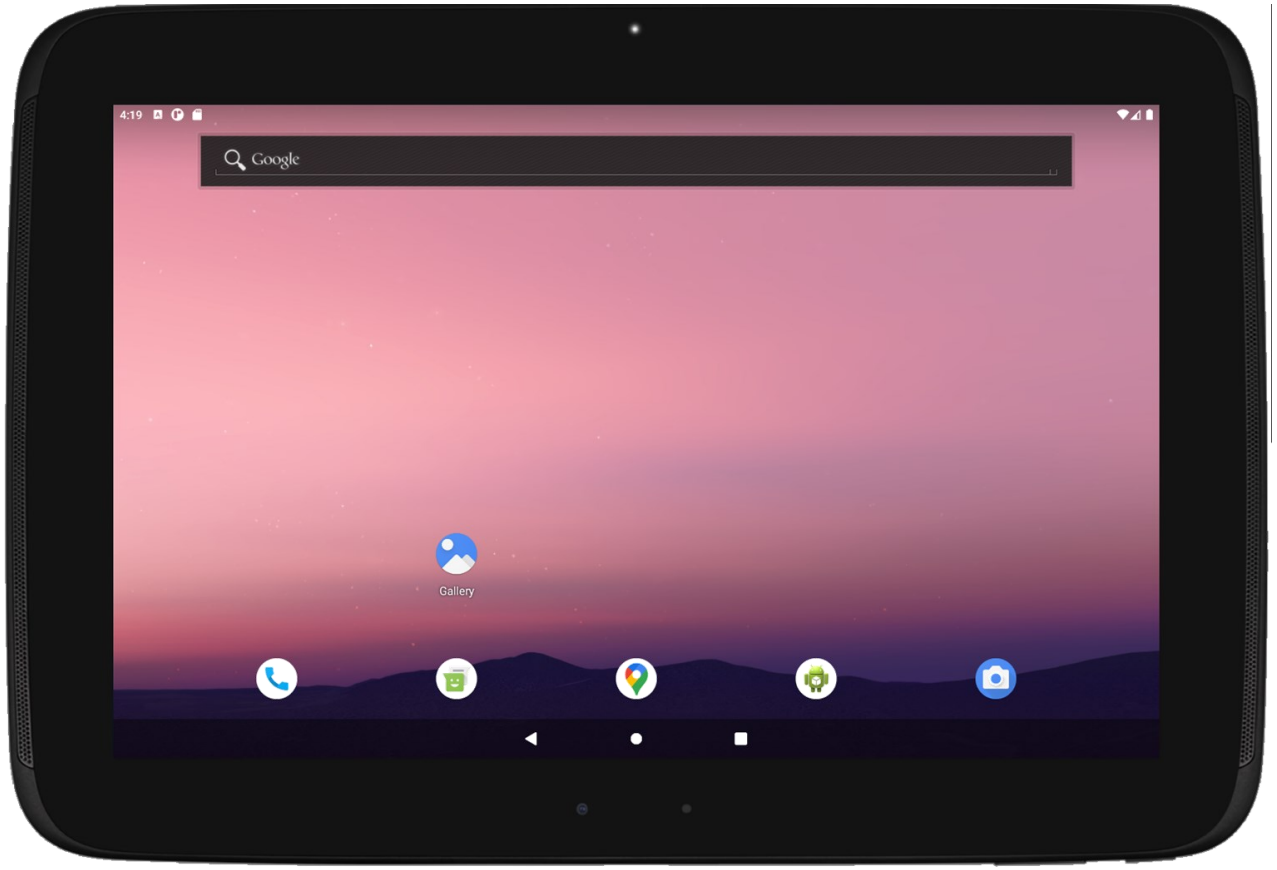
- AlarmController:
  - evaluate alarms
- ScreenController:
  - handle events

Scenarios

- Simulation data
- Start / stop scenarios

Application Demo

- Nexus 10 (Android)
- 10,05"
- 2560 x 1600



- 16:10
- 10"
- 1920 x 1200

Next Stage: M3

Finish screens and widgets in design

Complete navigation and functions

Develop alarmmangement with sounds and trigger

Fill scenarios with data

Edit trailer, poster and set up website

Deliver a final and functioning app

UKE HAMBURG

Merry Christmas