WP2 Prototype Development

Simon Krause WP lead
movisens GmbH

EC Evaluation June 19th

WP2 – Team

Dr. Jörg Ottenbacher
Regulatory Affairs

Robert Zetzsche
App-Development

Dr. Johannes Schneider
Web-Development

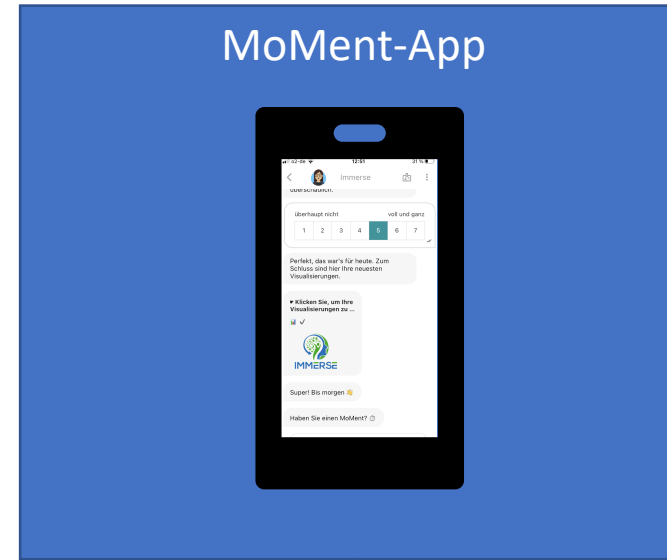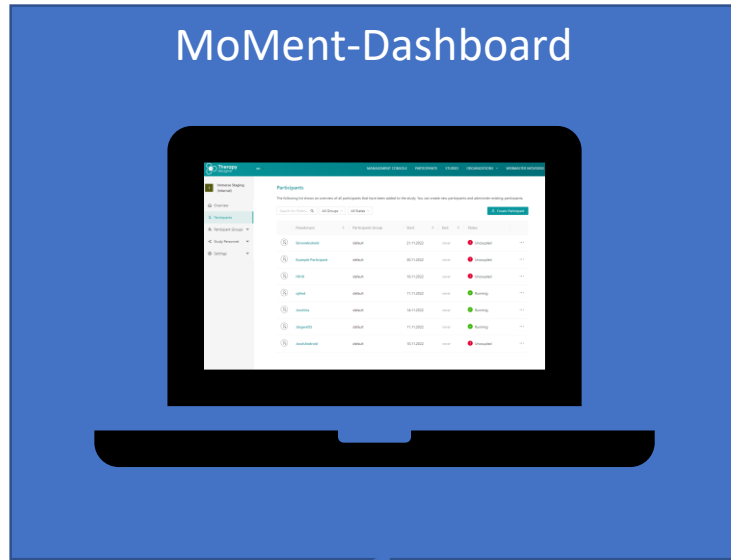Simon Krause
Backend-Development

WP2 – Objectives

- **Development of prototype according to MDR requirements** ✓
- **Deployment** ✓ **and <u>Maintenance</u> of prototype during the study**

WP2 – Prototype: Overview

MoMent-Dashboard

MoMent-App

Clinician

Service user

WP2 – Prototype: MoMent-Dashboard (Configuration)

WP2 – Prototype: MoMent-App

- **Conversational User Interface**
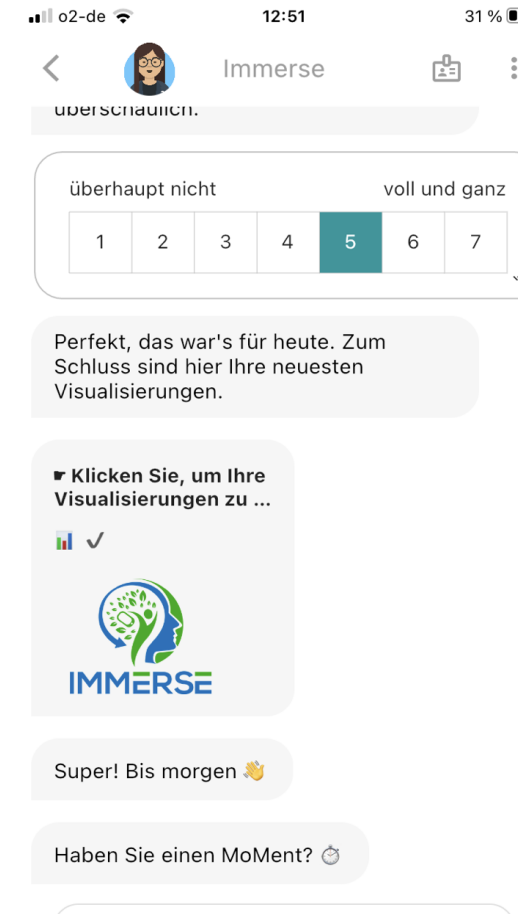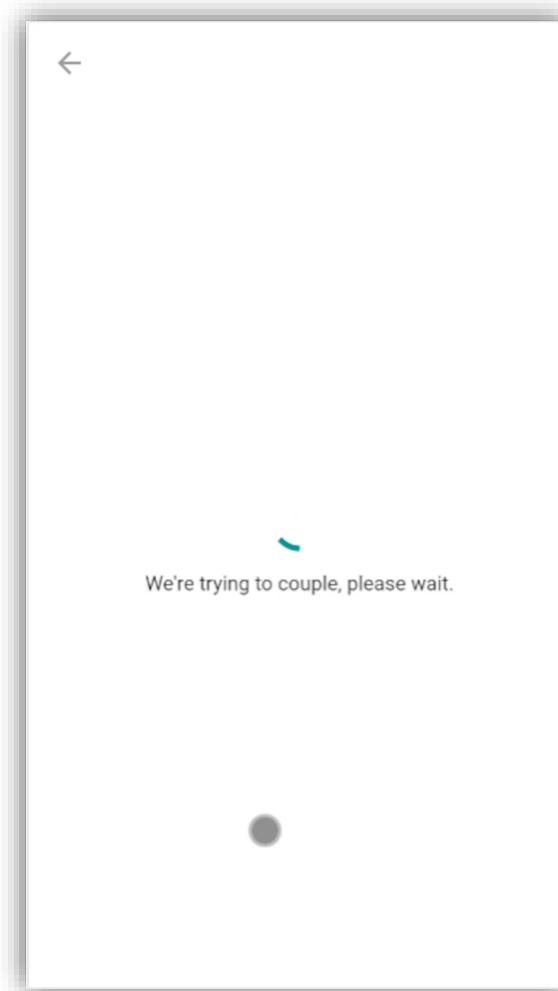
WP2 – Prototype: MoMent-App
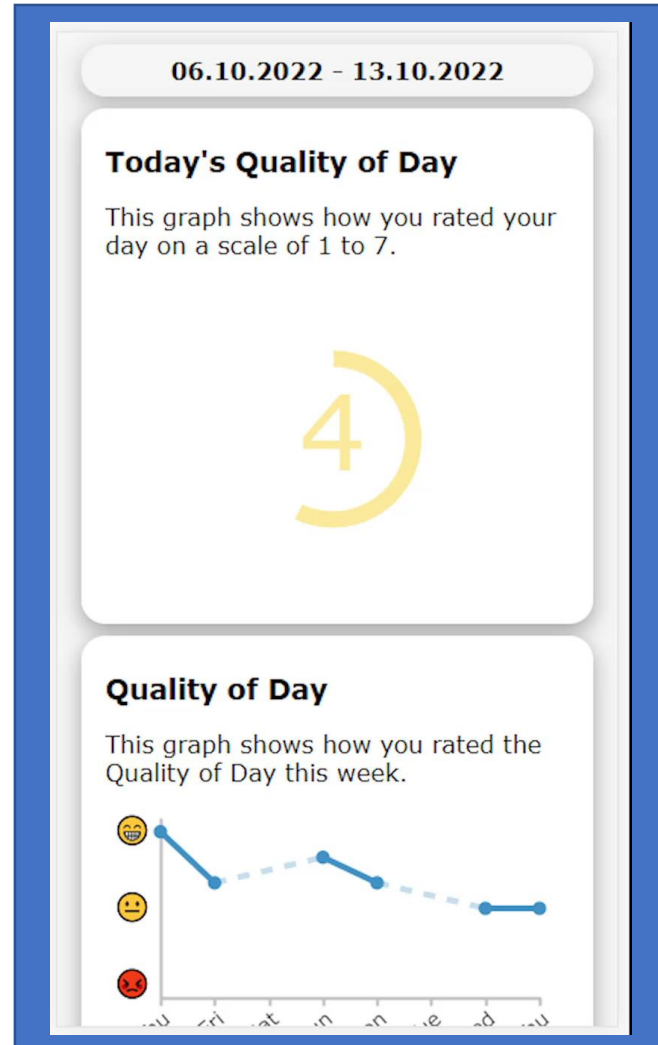
WP2 – Prototype: MoMent-Dashboard (Feedback)

WP2 – Maintenance – Issue-Reporting

WP7 Redcap Form (Issues, Feature-requests)

Reporter

Movisens ServiceDesk

Ticket   Resolution

Support Worker

Sponsor (WP7 – ZI)

Device Deficiencies

WP2 – Maintenance – Fixes

Issue-Tickets → Programmer → Fixes → Systemtest → Release
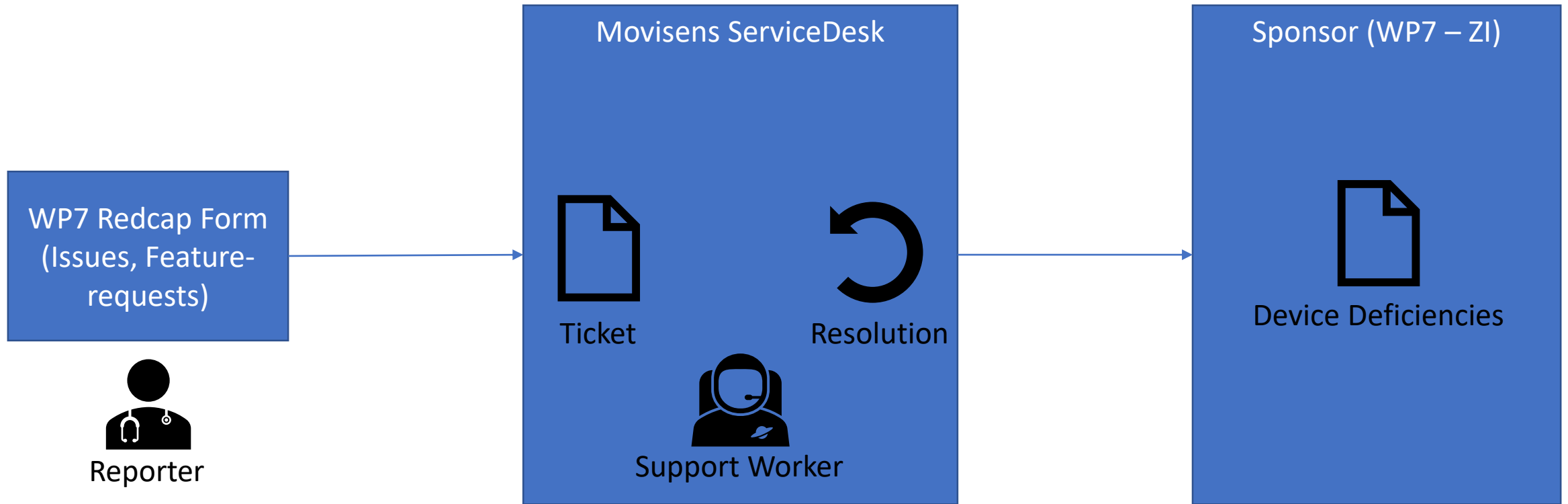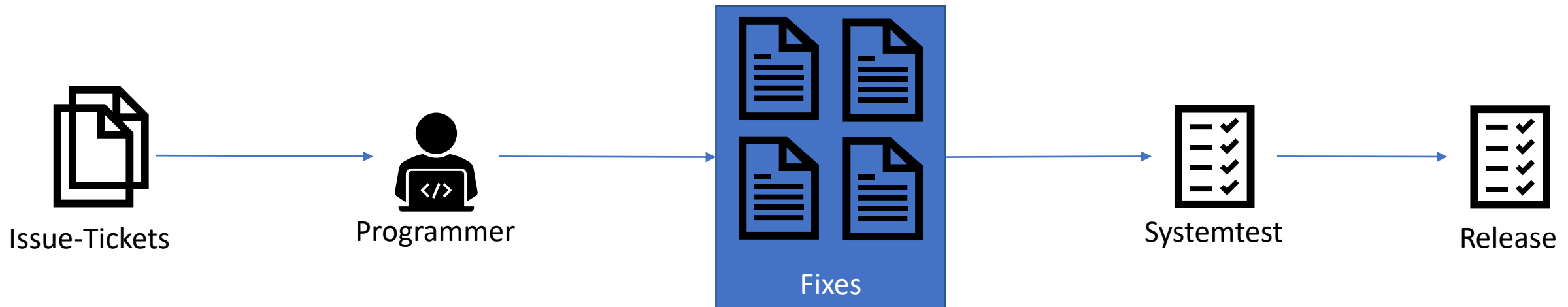
WP2 – Maintenance – Statistics

Issue-Reports: 65

Feature-Requests: 15

Maintenance-Releases: 8

Service-Availability: 99,6%

70/378 Service Users
9 Clinicians

- Missed beeps
- Need to recouple/reinstall
- Delayed coupling/enrolment
- Wrong translations
- Login problems in manager

WP2 – Interface to Big Data System

- **OpenAPI Specification of the Interface**
  - **Allows for quick client code generation**
- **Data to be exported (JSON):**
  - **Design (Metadata)**
  - **Actual values (per Study, per Group, per Participant)**
- **Explanation Document on how to connect design data with values**
- **Transformation of exported data to Tabular format**

WP2 – Deliverables & Milestones

Milestone / deliverable	Title	Original deadline	Status
D2.1	Prototype for Study	Month 18 / 30.09.2022	☑ / finished
MS2	Requirements engineering done	Month 6 / 30.09.2021	☑ / finished
MS4	Preliminary Hazard Analysis (PHA)	Month 12 / 31.03.2022	☑ / finished
MS8	Interface to Big Data System	Month 18 / 30.09.2022	☑ / finished
D2.2	Final prototype of DMMH including corrections	Month 48 / 31.03.2025	☑ / started

WP2 – Challenges, delays, and solutions

- **Interface to Big Data System**
  - **Huge exports can impact production system -> local exports based on Backups and provided data to WP3**
  - **Revisions needed**
- **Regional Authority Audit**

WP2 – Dissemination

- **2 Company Newsletters**
- **X-Communication**
- **Presenting TherapyDesigner as a product on conferences mentioning IMMERSE as first project**

WP2 – Next steps

- **Preparation of final workshop deciding on functionality of final prototype (Target November/December 2024)**
- **Preparation demonstrator system to be used to demonstrate IMMERSE functionality for consortium members**