

WP2 Prototype Development

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movisens GmbH**

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This project has received funding from the European Union's Horizon 2020 research and innovation Programme under grant agreement 945263 (IMMERSE)

WP2 – Team



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Regulatory Affairs



Robert Zetsche
App-Development



Dr. Johannes Schneider
Web-Development



Simon Krause
Backend-Development



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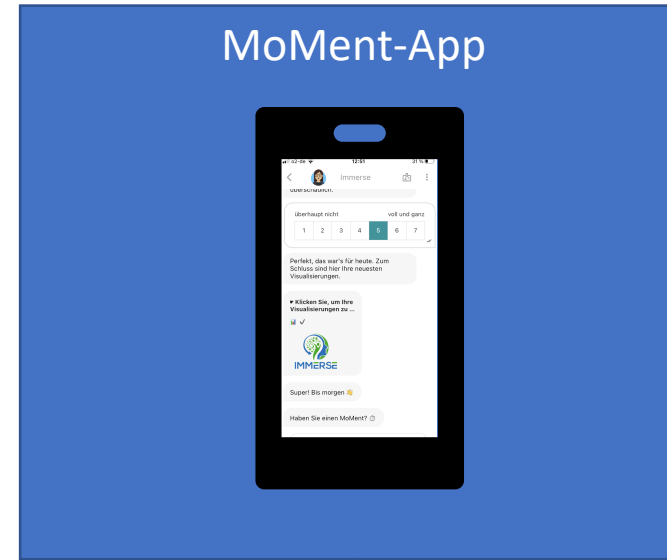
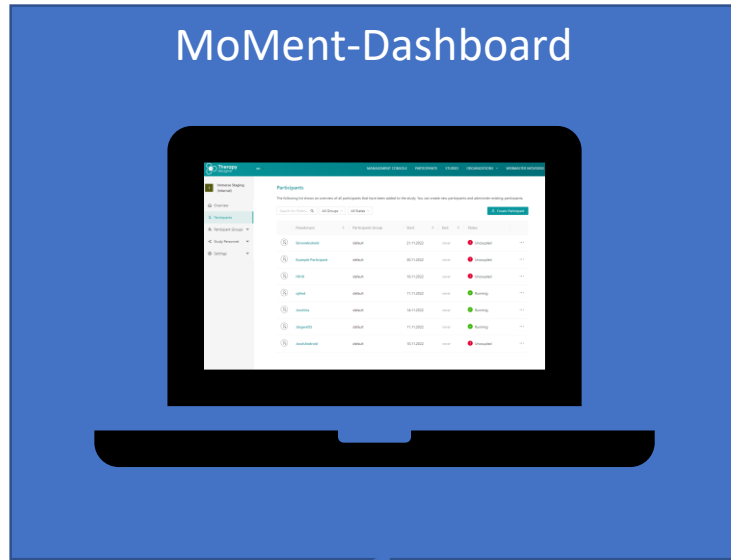
WP2 – Objectives



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



WP2 – Prototype: Overview



Clinician



Service user



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WP2 – Prototype: MoMent-Dashboard (Configuration)



The screenshot shows the 'Therapy designer' interface. The top navigation bar includes 'MANAGEMENT CONSOLE', 'PARTICIPANTS', 'STUDIES', 'ORGANIZATIONS', and 'WEBMASTER MOVISENS'. The main content area is titled 'Participant Example Participant' and shows the participant's state as 'Uncoupled'. The left sidebar contains navigation options like 'Overview', 'Participants', 'Participant Groups', 'Study Personnel', 'Settings', 'Supervisors', and 'Labeling'. The main configuration area is titled 'Therapy System Configuration' and includes sections for 'Therapy Goals' and 'Key Problem Areas'. The 'Therapy Goals' section contains a table with three rows for defining goals.

Parameter	Description	Parameter Value for Participant
Therapy Goal 1	Define the 1st therapy goal	
Therapy Goal 2	Define the 2nd therapy goal	
Therapy Goal 3	Define the 3rd therapy goal	

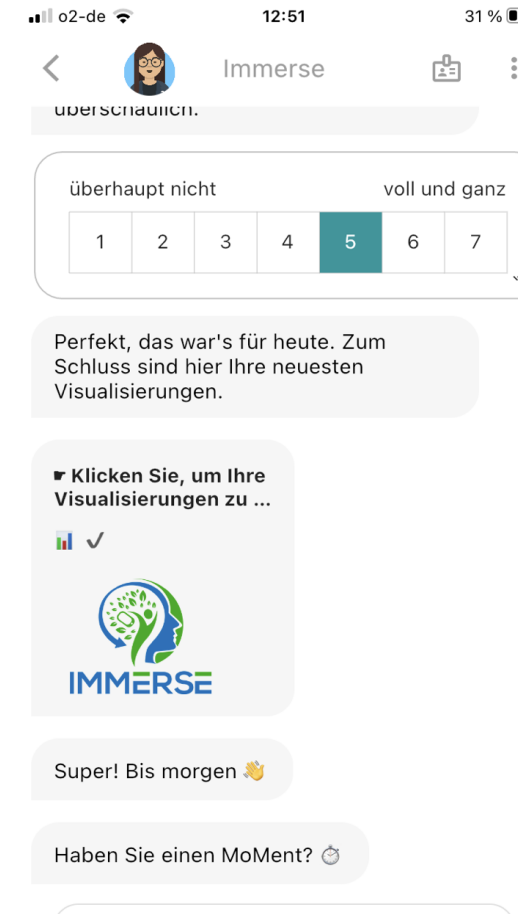
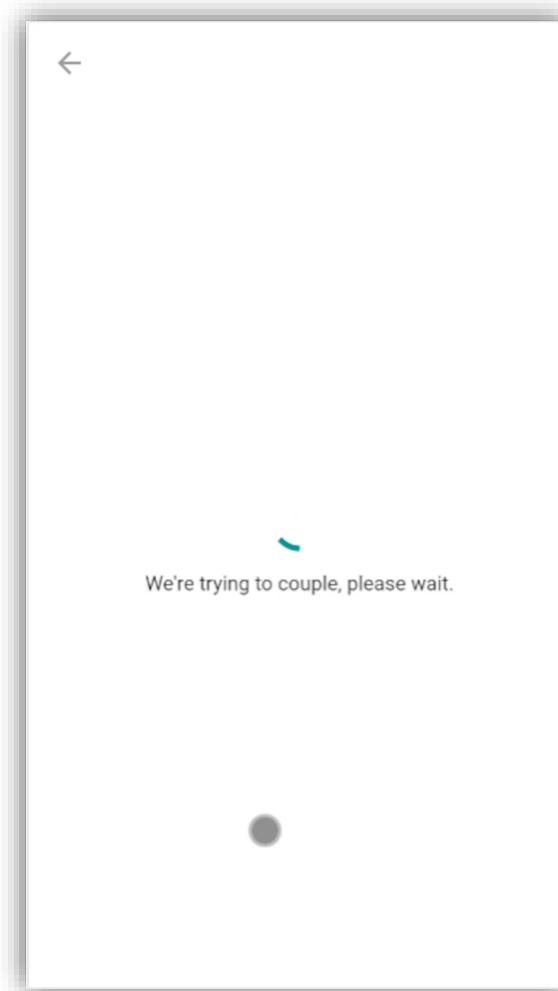


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WP2 – Prototype: MoMent-App

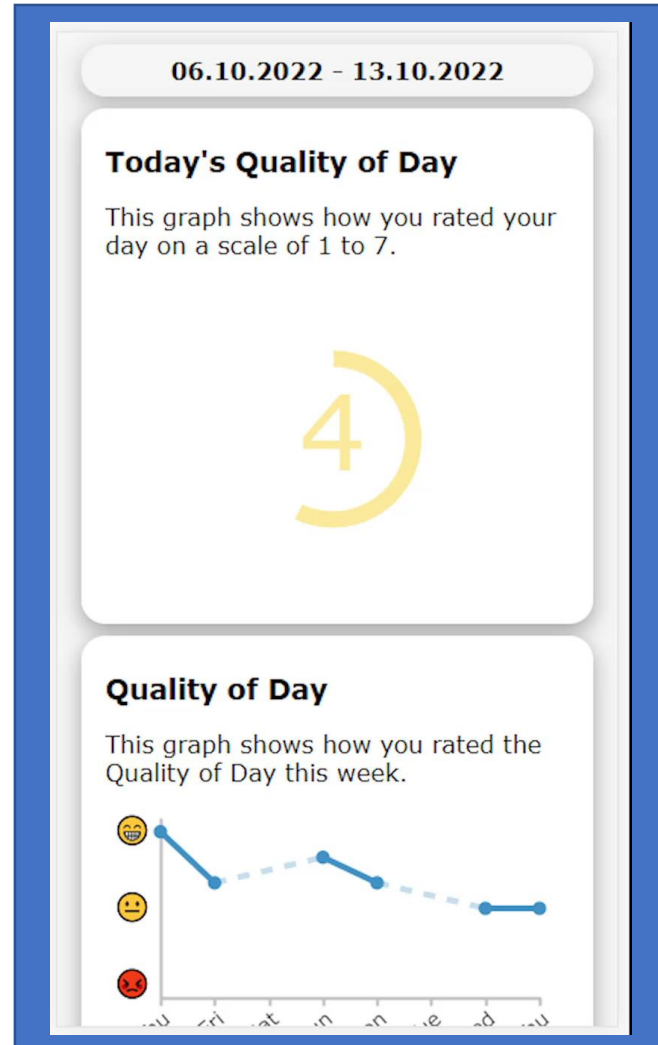


- **Conversational User Interface**



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WP2 – Prototype: MoMent-App



WP2 – Prototype: MoMent-Dashboard (Feedback)

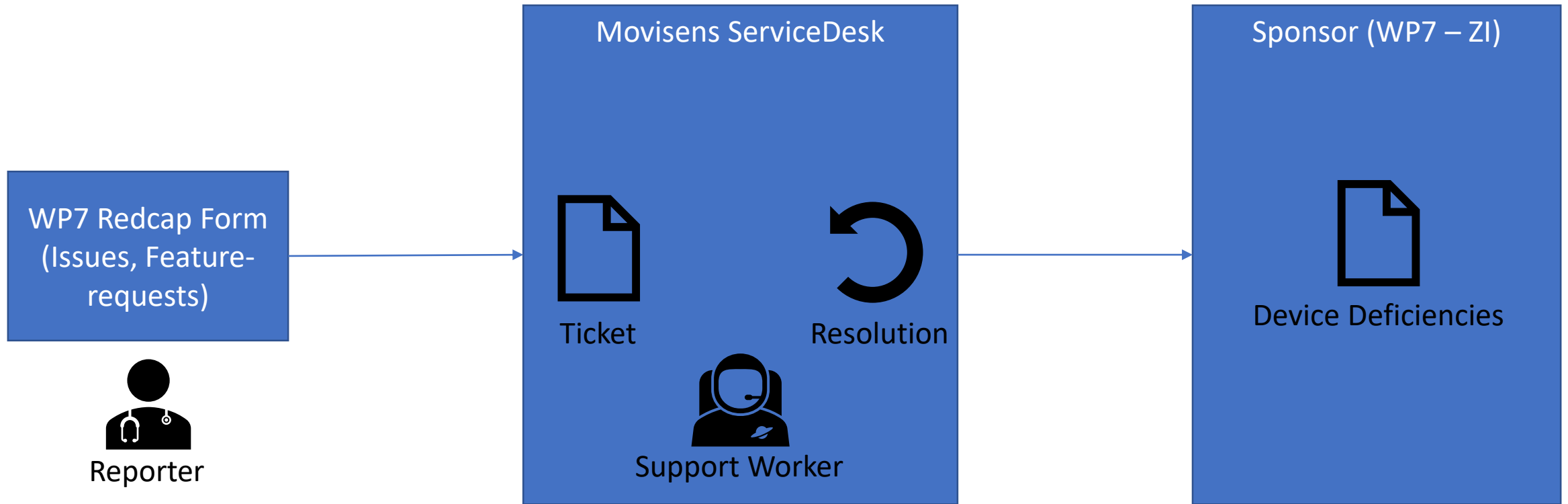


The screenshot displays the MoMent-Dashboard interface. At the top, there is a navigation bar with the 'Therapy designer' logo and language settings ('en'). The main navigation menu includes 'MANAGEMENT CONSOLE', 'PARTICIPANTS', 'STUDIES', and 'ORGANIZATIONS'. The current view is for a 'Participant Example Participant' who is 'Paused'. The dashboard includes a sidebar with various modules like 'Personal Therapy Goals', 'Key Problems', 'Mood', and 'Affects'. The main content area features a 'MoMent Dashboard' section with an overview of service user data and a 'Personal Therapy Goals' section. The 'Personal Therapy Goals' section includes a line graph showing 'Original Data' and 'Calculated Trendline' for the goal 'I made progress achieving this goal today.' The y-axis is labeled 'Answer' and ranges from 3 to 7. A 'Select analysis period' dialog box is open, showing dates from 2022-10-24 to 2022-11-22.

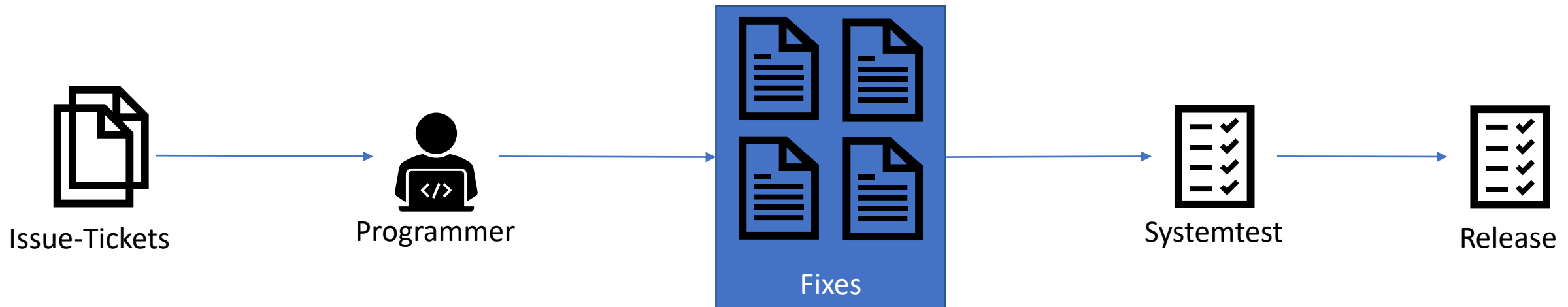


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WP2 – Maintenance – Issue-Reporting



WP2 – Maintenance – Fixes



WP2 – Maintenance – Statistics



Issue-Reports:	65
Feature-Requests:	15
Maintenance-Releases:	8
Service-Availability:	99,6%

70/378
9
Service Users
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



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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**

