**Requirements**

Streaming Wearables and Stress Measurement Platform

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| --- | --- |
| **Date** | 13-09-2022 |
| **Version** | 0.2 |
| **Status** | Concept |
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Version

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| **Version** | **Date** | **Author** | **Amendments** | **Status** |
| 0.1 | 12-09-2022 | Michael | Initial setup of document & analysing of user stories of previous group | Draft |
| 0.2 | 18-09-2022 | Marinda | Introduction, vocabulary, merged new user stories with old user stories, rated user stories based on MoSCoW model | First Concept |

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# Introduction

In this document, all the requirements and user stories can be found for the Streaming Wearables and Stress measurement Platform (SWSP). The project is managed by Petra Heck and Manon Peeters-Schaap. The requirements are prioritized using the MoSCoW method and have been divided into functional requirements and non-functional requirements. The user stories are divided between Organization-, Caregiver- and Patient Dashboard.

# Glossary

|  |  |
| --- | --- |
| Word/Phrase | Definition |
| Organisation Admin | The administrative person(s) in charge of managing an organisation |
| Patient | A person who is registered to a medical organisation in need of care |
| Caregiver | A medical professional |
| Patient Group | A group of patients and medical professionals within an organisation |

# User stories

User stories are an informal, general explanation of a software feature written from the perspective of the end user. Its purpose is to articulate how a software feature will provide value to the customer.

|  |  |
| --- | --- |
|  | Done |
|  | Almost completed |
|  | Not Done |

## Patients

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | As a | I would like to | So that | MoSCoW | Done |
| FRP1 | Patient | Log in to the mobile app | I can view my personal data | Must |  |
| FRP2 | Patient | Log out of the mobile app | No one can view my personal data | Must |  |
| FRP3 | Patient | View my personal data | I can see if it is correct | Must |  |
| FRP4 | Patient | Edit my personal data | I can make updates to my data when necessary | Must |  |
| FRP5 | Patient | Have an overview of my historical stress data | I can analyse my health status over time | Must |  |
| FRP6 | Patient | View my current stress level | I can take action if necessary | Must |  |
| FRP7 | Patient | Comment on my stress data point | I can provide feedback pertaining to the reason for certain stress data points | Must |  |
| FRP8 | Patient | View my feedback on stress data points | I can see the reason for certain stress data points | Should |  |
| FRP9 | Patient | Edit my feedback on stress data points | I can update my feedback if necessary | Could |  |
| FRP10 | Patient | Delete my feedback on stress data points | I can remove a feedback that was not meant to be created | Should |  |
| FRP11 | Patient | Register my wearable device to my account | My stress data can be measured | Must |  |
| FRP12 | Patient | Export my historical stress data | I can analyse my health history | Wont |  |

## Caregivers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | As a | I would like to | So that | MoSCoW | Done |
| FRC1 | Caregiver | Provide feedback on patients’ stress data points | I can provide feedback pertaining to the reason for certain stress data points | Must |  |
| FRC2 | Caregiver | View the feedback provided on patients’ stress data points | I can view the reasons for certain stress data points | Must |  |
| FRC3 | Caregiver | Edit the feedback provided on patients’ stress data points | I can update the feedback if necessary | Should |  |
| FRC4 | Caregiver | Delete feedback provided on patients’ stress data points | I can remove the feedback if a mistake was made | Should |  |
| FRC5 | Caregiver | Log in to the platform | I can view my patient’s data and my personal data | Must |  |
| FRC6 | Caregiver | Log out of the platform | No one can view private data | Must |  |
| FRC7 | Caregiver | View my personal data | Ì can manage my account | Must |  |
| FRC8 | Caregiver | Edit my personal data | I can manage my account | Should |  |
| FRC9 | Caregiver | View the patient groups I am in and the users in them | I can see who my patients and colleagues are | Must |  |
| FRC10 | Caregiver | View the historical stress data of my patients | I can analyse the health of my patient | Should |  |
| FRC11 | Caregiver | View the current stress level of my patients | I can analyse the health of my patient | Must |  |
| FRC12 | Caregiver | Export a patient’s historical stress data | I can analyse the health of my patient | Wont |  |

## Administration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | As a | I would like to | So that | MoSCoW | Done |
| FRA1 | Admin | Log in to the platform | I can view my organisational data and my personal data | Must |  |
| FRA2 | Admin | Log out of the platform | No one can view private data | Must |  |
| FRA3 | Admin | Create caregiver accounts | I can add caregivers to my organisation | Must |  |
| FRA4 | Admin | Create patient accounts | I can add patients to my organisation | Must |  |
| FRA5 | Admin | View caregiver accounts | I can see which caregivers are in my organisation | Must |  |
| FRA6 | Admin | View patient accounts | I can see which patients are in my organisation | Must |  |
| FRA6 | Admin | Edit caregiver accounts | I can manage caregivers’ data in my organisation | Could |  |
| FRA7 | Admin | Edit patient accounts | I can manage the patients’ data in my organisation | Could |  |
| FRA8 | Admin | Remove/archive caregiver accounts | I can remove caregivers from my organisation | Must |  |
| FRA9 | Admin | Remove/archive patient accounts | I can remove patients from my organisation | Must |  |
| FRA10 | Admin | Assign patients to patient groups | The organisation can be divided into groups based on the care the patients in the group need to receive | Must |  |
| FRA11 | Admin | Assign caregivers to patient groups | Caregivers can know which patients they are responsible for and see those patients’ data. | Must |  |
| FRA12 | Admin | Un-assign patients from patient groups | a patient can be removed once they no longer require a specific kind of care | Must |  |
| FRA13 | Admin | Un-assign caregivers from patient groups | a caregiver can be removed from a group that no longer requires their care | Must |  |
| FRA14 | Admin | Remove patient groups | I can manage the patient groups in my organisation | Should |  |
| FRA15 | Admin | View patient groups | I can gain insights into the patients’ groups within the organisation | Must |  |
| FRA16 | Admin | Create patient groups | I can manage my organisation | Must |  |
| FRA16 | Admin | View which patient groups a caregiver is in | I can gain insight into patient groups | Should |  |
| FRA17 | Admin | View which patient groups a patient is in | So that I can gain insight into patient groups | Should |  |

*\*The user stories marked as not done for Admin New, can only be done via the Azure Active Directory portal, thus it is not done since it cannot be done via the frontend.*

# Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| # | Requirement | MoSCoW |
| NFR1 | Simple user interface that is easy to use | Should |
| NFR2 | Maintainable software | Must |
| NFR3 | Scalable software: must be able to be used by 1,000,000 users | Must |
| NFR4 | Secure software | Must |
| NFR5 | Performance: the platform must load/respond in at most 5 seconds | Must |
| NFR6 | User data should be managed in compliance with the GDPR and MDR (Regulations for medical software) | Must |
| NFR7 | The platform should be well documented | Should |