Product Specification and Requirement Document: User Needs und Stakeholder Requirements

This Mindboard shows how user needs and stakeholder requirements are written and how they are then further processed for Medical product development.

Create persona in the template

This section is the beginning of understanding what the user needs and help to later specify app features. Start to fill it out based on your current knowledge and later link to user needs to prove your statements.

Define perspectives

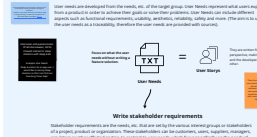
Questionnaires, interviews, research or presentations can be used to discover and recognize the needs, wishes, requirements, concerns, expectations and challenges of the target group. -> research method

Persona as a target group

Personas that represent the target group (template can be found in Wire Personas) Personality of the persona described documented with user needs as a source.

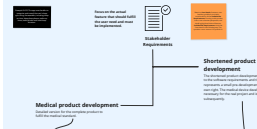
Write User Needs

User needs are developed from the needs, etc. of the target group. User Needs represent what users expect from a product in order to achieve their goals or solve their problems. User Needs can include different aspects such as functional requirements, usability, aesthetics, reliability, safety and more. (The aim is to use the user needs as a traceability, therefore the user needs are provided with sources).



Write stakeholder requirements

Stakeholder requirements are the needs, etc. that are set by the various interest groups or stakeholders of a project, product or organization. These can be customers, end users, suppliers, managers, regulators or other affected parties. In contrast to user needs, which focus specifically on the needs of end users, stakeholder requirements take into account the requirements and objectives of all relevant stakeholders who are directly or indirectly affected by a project or product. Stakeholder requirements should be agreed with the product owner to determine an appropriate scope.



Shortened product development

The shortened product development goes directly to the software requirements and therefore neglects the system requirements and thus the user right. The medical device development is necessary for the risk system and is supplemented subsequently.

Medical product development

Detailed version for the complete product to fulfill the medical standard

Specification sheet

From the **stakeholder requirements**, the **specification sheet** is created. Especially in the **specification sheet**, all requirements are listed there in detail (refer to IEC. The requirements specification is necessary for the fulfillment of the medical standard.

The **stakeholder requirement specification sheet** serves as the basis for the formulation of the software requirements (refer to IEC).

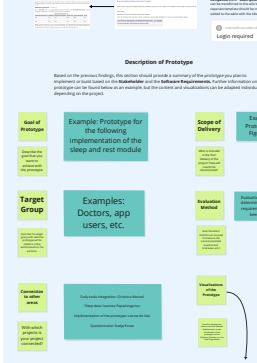
Competitors

In addition, the solutions of the competition can be analyzed in order to get to know the market, classify features and position oneself in the market. The template provided can be used to compare the competition in general and with regard to various app features.

Wiki entry

Description of Prototype

Based on the previous findings, this section should provide a summary of the prototype you plan to implement or build based on the **Stakeholder** and the **Software Requirements**. Further information on the prototype can be found below as an example, but the content and visualizations can be adapted individually depending on the project.


Goal of Prototype
Example: Prototype for the following implementation of the sleep and rest module
Scope of Delivery
Example: Prototype in Figma + ...
Target Group
Examples: Doctors, app users, etc.
Evaluation Method
Evaluation sheet to determine whether requirements have been met.
Connection to other areas
Visualizations of the Prototype
With which projects is your project connected?
Daily Insta Integration: Christina Wenzel
Sleep data: Ivonne Papadopoulos
Implementation of the prototype: Leonardo Sak
Questionnaire: Nadja Kraus
Use Case 1: Ernährungsbuch Beispiel
Location: Schlaf und Ernährungsbuch
Kunde
App öffnen
Login
Anmelden
Kontakt zu Ernährungsberater
Kontakt aufgebaut für Ernährungsberatung
Kontakt zu App öffnen
Ernährungsberater
Ernährungsberatung abgeben
Ernährungsberatung abgeben
Kontaktanfrage annehmen
Kontaktanfrage ablehnen
Kontaktanfrage annehmen
Kontaktanfrage ablehnen
Kontaktanfrage annehmen
Kontaktanfrage ablehnen