High-Level Design

HRM, norav-med

SW-Team

2021

Table of content

[Abstract 2](#_Toc90929793)

[Scope 3](#_Toc90929794)

[Goals and objectives 4](#_Toc90929795)

[HLD 5](#_Toc90929796)

[Components 5](#_Toc90929797)

[Component’s description 5](#_Toc90929798)

[Actors 5](#_Toc90929799)

[Providers 6](#_Toc90929800)

[HRM-Application 6](#_Toc90929801)

[Health-System 6](#_Toc90929802)

[Workflows 7](#_Toc90929803)

[Display pulse and pulse graph by time recorder 7](#_Toc90929804)

[Activate a heart rate recording for up to 60 minutes, with the system sampling every 10 seconds. 8](#_Toc90929805)

[UI and UIx 9](#_Toc90929806)

[Example expected UI 9](#_Toc90929807)

[UI parts defined and explained 9](#_Toc90929808)

[Quality and testing 10](#_Toc90929809)

[Unit testing 10](#_Toc90929810)

[Integration testing 10](#_Toc90929811)

[QA testing 10](#_Toc90929812)

# Abstract

This document is an overkill for most needed projects / features but is mainly used to demonstrate skills and capabilities regards.

# Scope

Scope of the document, TBD…

# Goals and objectives

In a nutshell – to present a HLD, to do DR and improvements

TBD - detailed goals and such..

# HLD

## Components

TBD - Explain…

Diagram

Description automatically generated

Figure - HLD Components

### Component’s description

#### Actors

* Doctor: the person examining the patient and patient-monitor-data.
* Patient: details…
* … and so, on

#### Providers

* Pulse Monitor: A tool to collect and store data from a patient
* …

#### HRM-Application

* HRM-UI: An application to import patient-monitor-data from the Pulse-Monitor, and to aid the doctor diagnose the patient.
* …

#### Health-System

* Main-DB: the health system main DB, where all the patience data is stored.

## Workflows

### Display pulse and pulse graph by time recorder

A screenshot of a computer

Description automatically generated with medium confidence

Figure - Display pulse and pulse graph by time recorder

TBD - Explain… (this is just an example, when given time, all diagrams will be provided)

### Activate a heart rate recording for up to 60 minutes, with the system sampling every 10 seconds.

Diagram, timeline

Description automatically generated

Figure - heart rate recording

TBD - Explain…

## UI and UIx

### Example expected UI



### UI parts defined and explained

TBD…

## Quality and testing

### Unit testing

See definition first - <https://en.wikipedia.org/wiki/Unit_testing>

UT guidelines - TBD

### Integration testing

Integration testing guidelines - TBD

### QA testing

Testing guidelines for QA – TBD

See also TDD…