

# SRS - Software Requirements Specification

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# 1 Introduction

This document describes the requirements created for the Application to control MVD devices. The application controls both the sensor device and a light bulb.

# 2 Reference documents

Reference document: PUS15001.

# 3 Background and goals

## 3.1 Main goals

The application contains three views named MyDevices view, Sensor Device view and Light Bulb view. The user should through the application be able to control MVD devices.

## 3.2 Actors and their objectives

**Lamp Controller Android Application** is used as a controller for the light bulbs. Can be used to scan for devices, talk to a specific sensor or talk to a light bulb.

**Back End** is the endpoint which the app talks to, to control the light bulbs and to get sensor data. Is accessed through a REST API.

# 4 Terminology

**REST API**, representational state transfer application program interface. An HTTP endpoint to which the application talks in HTTP packages in order to communicate with the back end.

**MVD** Minimal viable device to scan for Bluetooth Low Energy (BLE) devices, collect and pass the data to the remote server using MQTT protocol.

# 5 Functional requirements

# 6 Quality requirements

# 7 Project requirements

## References

- [1] Challis, Ben (2014): Tactile Interaction. In: Soegaard, Mads and Dam, Rikke Friis (eds.). "The Encyclopedia of Human-Computer Interaction, 2nd Ed.". Aarhus, Denmark: The Interaction Design Foundation. Available online at [https://www.interaction-design.org/encyclopedia/tactile\\_interaction.html](https://www.interaction-design.org/encyclopedia/tactile_interaction.html)