**Pill reminder**

**Software Requirements Specification**

**Version 0.0**

**Revision History**

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**Software Requirements Specification**

# 1.Introduction

## 1.1Purpose

This document describes the behavior and requirements of a medicine reminder app.

**1.2Scope**

Create a simple yet effective app, like the alarm system of a phone but attending the specific case of scheduling a medical treatment, like pill takes, and whatnot.

## 1.3Overview

In the following sections, all the requirements of the software will be described, and additional information will be provided.

# 2.Overall Description

Mobile application for android and iOS that allows users to schedule reminders to take their medicine. The format will be intuitive, minimalistic and cover most use cases.

# 3.Specific Requirements

## 3.1Functionality

*3.1.1 Login system*

The clients can access their account using their user and password; the account creation and password recovery will be through the app.

3.1.2 Set reminders

Screen in the app to schedule a new reminder allowing the user to choose their medicine, a representative icon, the schedule (every x hours) and a period (for y days).

3.1.3 Reminder

At the right time, an alarm will sound to let the user know they should take their medication. In case they’re not able to do it right away a button to postpone can be used.

## 3.2Usability

*3.2.1 User-friendly interface*

The system should have a user-friendly interface that is easy to navigate. This covers the urgent necessity of solving the issue when the user is not feeling well; also allows both young and old people to use it.

*3.2.2 Guidance*

The system should provide clear and concise instructions to guide users through the transfer process.

*3.2.3 Feedback*

The system should provide feedback to users on the status of their reminders and account handling.

## 3.3Reliability

*3.3.1 Error handling*

The system should be able to quickly recover from any unexpected errors or system failures.

### 3.3.2 Security and privacy

The system should have appropriate security measures in place to prevent unauthorized access and protect user data.

## 3.4Performance

*3.4.4 Response time.*

The system should have a response time of no more than 3 seconds for any user request and interface handling.

## 3.5Supportability

## *3.5.1 Structure*

The system will be hosted completely functional on the user side, but it will also call an online backend server that will register strictly important information to easily migrate devices.

### 3.5.2 Logging

The system should provide error logs and diagnostic tools to help support personnel troubleshoot and resolve any issues.

## 3.6Design Constraints

*3.6.1 Language*

The software will be developed using JavaScript with react native and node.js frameworks for frontend and backend respectively.

*3.6.2 Database*

A SQL database will be used since a table-like container is enough for this project.

*3.6.3 Hosting*

The backend will be hosted on an azure machine to guarantee scalability in a pay-as-you-go modality.

## 3.7Interfaces

### 3.7.1 User Interfaces

*3.7.1.1 Main Screen – Screen with login information and welcome message.*

*3.7.1.2 List of reminders screen – List with all the current medications that are being taken by the user.*

*3.7.1.3 Reminder ringing screen – Alarm-like screen that is displayed with a sound.*

3.7.1.4 Forgot password screen – Screen to indicate that we’ve lost our password.

3.7.1.5 Write code screen – Screen to add the code that is sent to the users to get their passwords.

3.7.1.6 Create new password screen – The page with code takes to this one to reset the password.

3.7.1.7 Create new account screen – Lets the user create a new account when entering email, password and username.

3.7.1.8 Create a new reminder screen – Allows the user to add a new take.