Pill reminder

Software Requirements Specification

Version 0.0

Revision History

Date	Version	Description	Authors
24/08/2023	0.0	Writing of the SRS	Sara Gómez Brenda Lam Luis Robles

Table of Contents

- 1.Introduction
 - 1.1 Purpose
 - 1.2 Scope
 - 1.3 Overview
- 2. Overall Description
- 3. Specific Requirements
 - 3.1 Functionality
 - 3.2 Usability
 - 3.3 Reliability
 - 3.4 Performance
 - 3.5 Supportability
 - 3.6 Design Constraints
 - 3.7 Interfaces
- 4. Supporting Information

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.

1.30verview

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.