REQUIREMENTS DOCUMENT

Non-functional requirements & user stories

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Introduction

This document is aimed at the requirements and user stories of the Care medication tracker project. The Care Medication tracker project's main goal is for users who take medication to be able to keep track of their medication swiftly. The requirements and user stories set in this document will make clear of what functionalities are focused for this project.

Glossary

CRUD: CRUD is an acronym for: CREATE. READ. UPDATE. DELETE. - Watts, S. (n.d.). *REST vs CRUD: Explaining REST & CRUD Operations*. BMC Blogs. Retrieved October 2, 2022, from https://www.bmc.com/blogs/rest-vs-crud-whats-the-difference/

MoSCoW: The Moscow method is a prioritization technique used in management, business analysis, project management, and software development to reach a common understanding with stakeholders on the importance they place on the delivery of each requirement; it is also known as MoSCoW prioritization or MoSCoW analysis.- Wikipedia contributors. (2022, August 22). *MoSCoW method*. Wikipedia. Retrieved October 2, 2022, from https://en.wikipedia.org/wiki/MoSCoW_method

Table of Contents

Non-Functional Requirements

Non-functional requirement category	Typically applies to Non-functional type	Example
Accessibility requirements	Process	The project is a web application available for different users and not as a mobile where only certain devices are supported.
Availability requirement	Process	The application is available 24/7 due to each patient taking their medicine at different times. Could be morning, noon or night
Backup and Recovery requirement	Both	Process: when a server has sent a message to another server is the data not lost and will the message be stored and send to the server when its back up and running. Data: Data of a user is held for one month after deleting the user. This is because a user might go off their medicine and might not think they need their data but after a few weeks will start back. With the previous data can doctor keep track of their feedback for best meds for the patient.
Extensibility requirement	Both	Process and Data: To be able to append additional element and features to its existing structure
Legal and Regulatory requirement	Both	Process: Users accept that the application stores personal information of them for their own use but do they have full control of the data to an extent. Data: All data of the user will be held for one month after account deletion.
Maintainability requirement	Both	The ease with which a software system or component can be modified to correct faults, improve performance or other attributes, or adapt to a changed environment.
Reliability Requirement	Both	Process: the audited tracking of the medicine of the user is accurate to what

		the patient or designated caregiver has been assigned to the patient Data: The medicine that can be chosen in the application must be updated to the latest version of open-source medicine database for reliability.
Security requirement	Both	Process: only patients can see their own personal data unless they allow a caregiver to do so by request. Data: patient users can give access to their caregivers to view or update/add information. Caregivers can view their patients' data but cannot edit the data until given permission from their patient.
Stress requirement	Process	Up to 10 caregivers can be assigned to a patient to avoid too much unneeded connections.
Supportability requirement	Process	Reminders are given to a patient to take their medicine. If the patient has indicated that they have taken their medicine, the caregiver will get a notification of this.
Testability	Both	Process and Data: the system, unit parts and its data communication are tested to be able to show/prove the quality of the application.

User Stories

Patient user

As a(n)	I want to:	So that:	MuSCoW
User	Be able to track my medicine(s)	I know if I took them or not	Must
User	Be able to login to the application with my (google account- could)	It is easier to login	Must
User	Be able to get a reminder when to take my meds	I can remember if I took them	Should
User	Be able to CRUD meds in my account	I can have control over my med's status	Must
User	Be able to send a request for someone as my caregiver	I able to control who keeps in track of my personal information	Must
User	Be able to accept a request from someone as my caregiver	I able to control who keeps in track of my personal information	Must
User	Be able to CRUD notes for each(certain) day(s) and give a personal rating of how the day went	I can use the notes for myself or for my caregivers	Should
User	Be able to get a reminder when to refill my meds	I can remember when to ask for more	Should
User	Be able to add and remove Caregivers (family or doctor)	I able to control who keeps in track of my personal information	Must
User	Be able to give feedback (features/bugs) of the application	I can help the application in efficiency	Could
User	Be able to update my personal information	I have control over my personal information	Must

Caregiver user

As a(n)	Is want to:	So that:	MuSCoW
Caregiver	See if the user (family member or patient) has taken their meds	I can keep in track of their status	Must
Caregiver	For users to login with their google account	It is efficient process	Could
Caregiver	Get a reminder if the user has taken their meds after delay time indication	The care giver can inform the user to take their meds	Should
Caregiver	Be able to read the meds the user takes	I am aware of what they are taking and the amount	Must
Caregiver	Be able to send a request to a user (as family or doctor) as a caregiver	I able to control who I am a caregiver of	Must
Caregiver	Be able to accept a request from a user (as family taking the meds) as a caregiver	I able to control who I am a caregiver of	Must
Caregiver	Be able to Read the user notes and personal rating	I can overview of how the user is doing while on the meds	Should
Caregiver	Be able to get a reminder when the user needs to refill their meds	I can remind them/ know of their status	Should
Caregiver	Be able to add and remove users (taking meds)	I able to control who I am a caregiver of	Must
Caregiver	Be able to give feedback (features/bugs) of the application	I can help the application in efficiency	Could
Caregiver	Be able to update my personal information	I have control over my personal information	Must

System

As a(n)	Is able to:	So that:	MuSCoW
System	Track one or multiple medicines per user	A user is able keep in track of taking their medicine	Must
System	For users to login with their google accounts	It is efficient process	Could
System	Give the user and caregiver a reminder (if indicated) to take their meds	So that the user and caregiver are aware of the meds status	Should