

Criterion A Planning

Problem Statement

My mom and maid have trouble reading and keeping track of grandmother's medicine prescription given by the doctor. On the other hand, doctor writes prescription on a booklet making it difficult to make changes and it can be lost.

Scenario

My grandma has Parkinson's disease and have to take medication hourly through the day. Each time will consists of at least 3 different medicines. Some medicines are not taken whole but sometimes $\frac{3}{4}$ or $\frac{1}{2}$. At different time of the day, the same medicine will be taken at a different dosage. The person who organizes the medicine are often my mom or the maid. However, the booklet they gave was confusing because it focuses on each medicine not as what to take on a certain time. Moreover, there will be many medicines, at least 7 types, making it very hard to keep track of what is left and when to purchase more. On the other hand, the doctor needs to assign the medicine to the pharmacist so that they can give the patient the medicine home. Once the patient go home, it is hard to make changes to dosage. Some patient also have side effects when take some medicine at a certain dosage, the booklet can't give the doctor the amount of dosage per day and the patient cannot inform the doctor through the book.

Rationale for the Proposed Product

As my patient clients said that they are having trouble reading the prescription and keeping track of medicines from the booklet, therefore the application I will make will be on computer so that the medicine timetable can be view easily and it will calculate the amount of medicine left based on the amount purchase. It is clear in the interview that my clients wanted a simple medicine prescription, so I will be using GUI in Netbeans to make an interactive simple application that my clients can view and keep track of medicine stocks. The application will be separated into page for patients and page for doctor where it will be connected. In the future, the program could be further developed so that it can be connected between doctors and patients device via internet and gives a real-time report and changes to the prescription. The rationale for building program is to help my clients to be able to interact between each other through an simple application for a more effective and accurate medicine prescription.

Product Prototype

File Edit Help

username

password

Patient

Join

File Edit Help

Register as: Patient

Chronic Disease

Suffix

First Name

Last Name

Sex Male Female

Username

Password

Confirm Password

Join

File Edit Help

Patients Medicines

Title 1	Title 2	Title 3	Title 4
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Search Patient's prescription

First Name

Last Name

Chronic Disease

Title 1	Title 2	Title 3	Title 4
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File Edit Help

Patients Medicines

Title 1	Title 2	Title 3	Title 4
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Add medicine

Brand Name

Breif Use

Breif Side Effects

quantity per pack

Dose (mg)

Dosage Form

File Edit Help

Schedule Information

jTextField1	jTextField1	jTextField1	jTextField1
jTextField1	jTextField1	jTextField1	jTextField1
jTextField1	jTextField1	jTextField1	jTextField1
jTextField1	jTextField1	jTextField1	jTextField1

Success Criteria for Product(98)

Can Log in for doctor and patient
Have timetable in a form of block
Can set dosage
Can count how much use per day
Can estimate the day left until it ran out
Can notify via popup or some sort of notification
Can view all patient's prescription from doctors UI
Can add new medicine to database
Add medicine in doctor's UI and appear in patient's UI
Have database of users and medicines
Help button
Labels for direction (Ex. Name)
Combo Boxes For Option
Button with Direction
Error Handling (eg. Pop ups where the user will be asked to re-enter the input if it is inputted incorrectly.

Important because the client will be maids which have less access to technologies and time they have to do each task is minimized due to the amount of work they have to do in each day. Therefore, it should be made as simple as possible so that the information can be acquired with less time.