

PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT

Team ID: PNT2022TMID52309

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Abstract:

Sometimes elderly people forget to take their medicine at the correct time. They also forget which medicine He / She should take at that particular time. And it is difficult for doctors/ caretakers to monitor the patients around the clock. To avoid this problem, this medicine reminder system is developed. An app is built for the user(caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB. If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform. The device will receive the medicine name and notify the user with voice commands.

Introduction:

All people fall under the group of patients, including teachers, students, businesspeople, housewives, and children. We all have demanding schedules as well. Life today is stressful and loaded with duties. People are therefore susceptible to a variety of ailments, so it is our responsibility to maintain our own health and fitness. If the patient stays at home, someone may help care for him or her, but if the patient travels or lives in another city or state away from home, it is difficult for family members to contact and constantly remind them to take their medication as prescribed. We completely rely on technologies, especially smartphones, in our ever growing and technologically dependent lives. Nowadays, every person owns a smartphone.

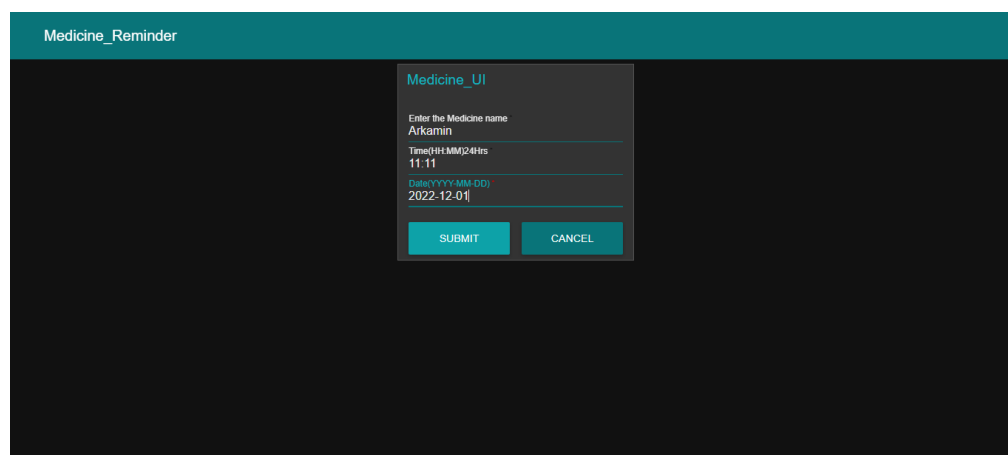
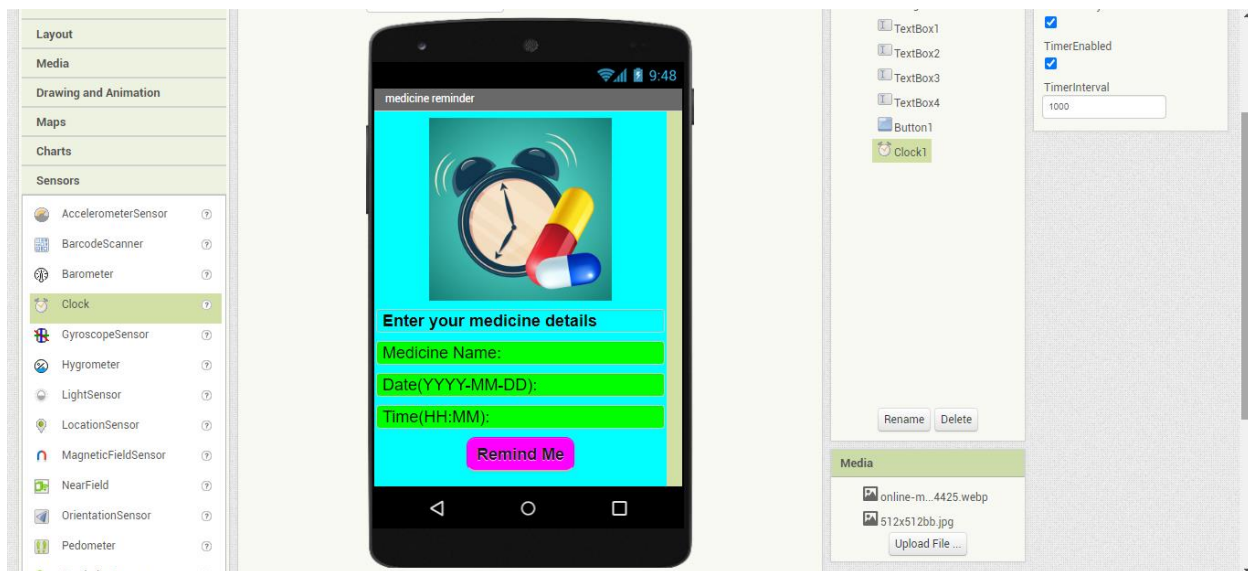
Objective:

There are many people that uses more than few medicine daily. Our objective is to make it easier for users to remember the medicine that they need to take.

Problem Statement Definition:

Some patients and also the caretakers forget to take/give the medicines at the right time. And it is difficult to memory the medicine names. Some people find it difficult to learn new apps in this ever-expanding digital environment, and people nowadays tend to forget things more easily, such as taking their prescriptions. People need a way to remember to take their prescriptions without having to learn how to use sophisticated programs.

Web Application:



Solution statement:

S.No.	Parameter	Description
1	Problem Statement	Some patients and also the caretakers forget to take/give the medicines at the right time.And it is difficult to memory the medicine names.Some people find it difficult to learn new apps in this ever-expanding digital environment and people nowadays tend to forget things more easily. Such as taking their prescriptions. People need a way to remember to take their prescriptions without having to learn how to use sophisticated programs.
2	Idea / Solution description	Make a simple, user-friendly application which helps the patients to remember when to take their medications and what medicine to have. An app is build for the user (caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM cloudant DB.
3	Novelty / Uniqueness	In order to better understand the difficulties and expectations people face when remembering daily routines, our team started the research with a set of questions that were addressed to a wide range of people.
4	Social Impact / Customer Satisfaction	Based on the study results from the user interview, we developed this project.The people will get a reminder by a voice message so that they can never feel alone.
5	Business Model (Revenue Model)	By using the model , we can collect basic and some medical information about the personsal that helps us in showing relevant and profitable advertisements.
6	Scalability of the Solution	At the model is integrated with cloud software, we can update the user experience without reinstalling a model and the person can keep a reminder up to the year.

Conclusion:

The Medicine Reminder will be very helpful to many patients. It helps to take proper medicine at right time. The cost of production is low as compared to other problem solutions. We intend to concentrate on enhancing the system's overall performance. Additionally, attention will be paid to interactions between patients and doctors via secure prescriptions. We'll concentrate on a few more strategies for improving drug adherence.