



MATURI VENKATA SUBBA RAO (M.V.S.R) ENGINEERING COLLEGE

(An Autonomous Institute)

Department of Information Technology

# Medicine Remainder

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# ABSTRACT

- ▶ Medicine Remainder is a Mobile application which reminds the patients by ringing an alarm system and by giving notification so that there is no need to remember the entire medicine doses name and their timings throughout the month. The application is user friendly and has easy to understand functions. The user can also see the medicine history which is consumed by the patient in few steps.
- ▶ It can help users keep track of their medication schedules and send them reminders when it's time to take their medicine. The app can also store information about different medications, including dosage instructions and any potential side effects. Users can set up personalized reminders based on their specific needs.

# PROBLEM STATEMENT

- ▶ Many people struggle to remember to take their medications on time, leading to missed doses and potential health risks. A medicine reminder application aims to solve this problem by providing timely reminders and personalized notifications to ensure that users never miss their medication doses. The application will help users manage their medication schedules more effectively and improve their overall health outcomes

# EXISTING STATEMENT

- ▶ The existing system may involve manual methods, such as using alarm clocks or sticky notes, to remember medication schedules. These methods can be unreliable and easily forgotten, leading to missed doses. The proposed system aims to provide a more efficient and automated solution to address this issue.

# **PROPOSED STATEMENT**

- ▶ In the proposed system for the medicine reminder application, we aim to develop a user-friendly mobile application that allows individuals to easily manage their medication schedules. The application will have features such as setting up medication reminders, storing medication information, and providing notifications for upcoming doses. Users will be able to input their medication details, including dosage instructions and frequency, and the application will send reminders at the specified times.

# SCOPE

- ▶ The Medicine Remainer application serves as a digital assistant for managing medication schedules and reminders. It offers a user-friendly interface for inputting medication details, such as dosage and frequency, and generates timely reminders to ensure adherence to prescribed regimens. Through intuitive features, including customizable alarms and medication logs, users can track their medication intake seamlessly . With its accessibility and functionality, the Medicine Remainer application aims to enhance medication adherence and improve overall health outcomes for individuals managing complex medication regimens.

## Software Requirements

- Microsoft Windows 7/8/10 ( 32 bit or 62 bit ).
- Any Linux based OS ( Ubuntu ).
- Android Studio 4.1.1.

## Hardware Requirements

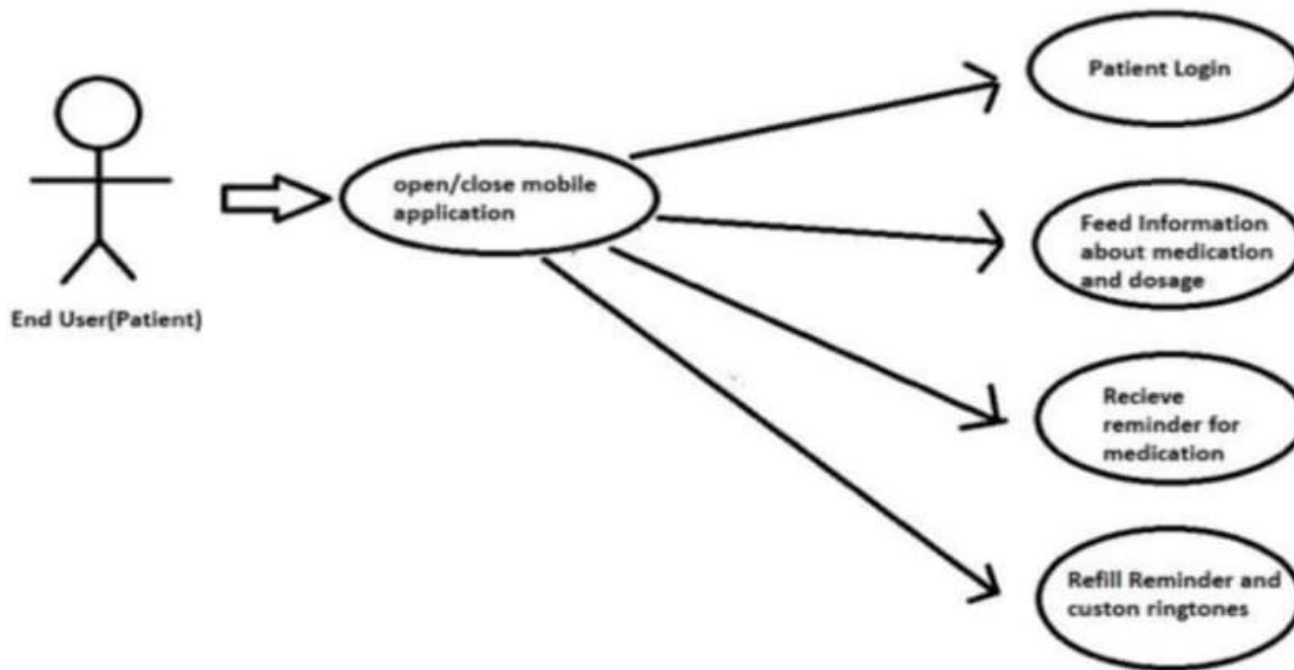
- Standard Computer with 4GB of RAM.
- Standard Computer with 10 GB of free hard disk space.
- Active Internet connectivity with good Bandwidth.

# Features of the Project:

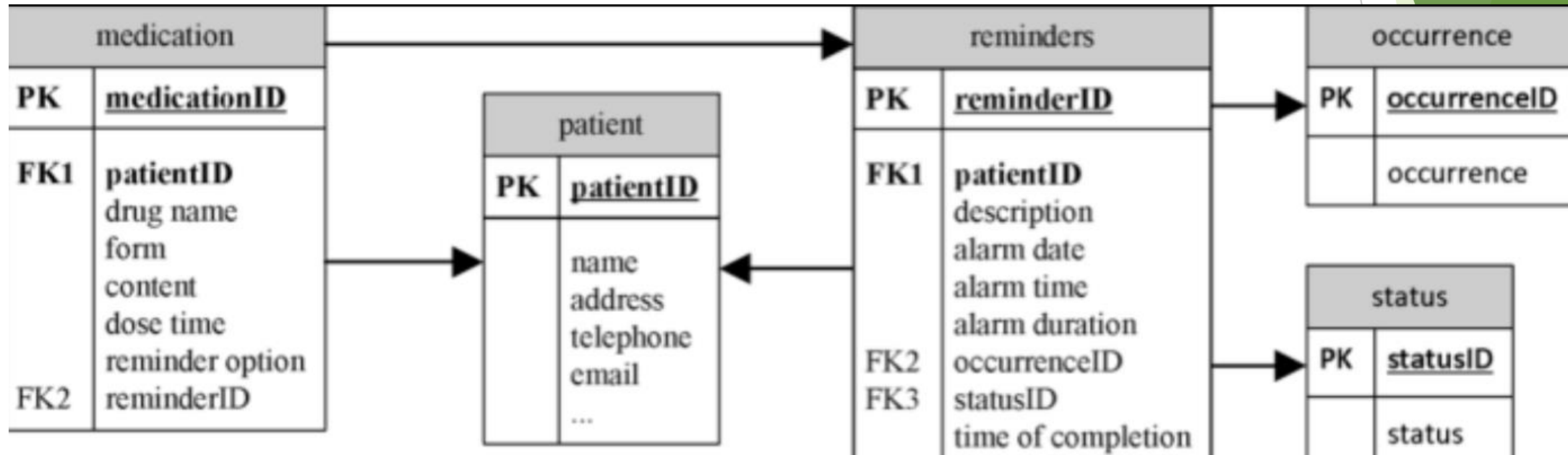
1. Medication Schedule: Allow users to set up their medication schedule, including the name of the medication, dosage, frequency, and specific times for reminders.
2. Reminders and Notifications: Send reminders and notifications to users at the scheduled times to remind them to take their medication.
3. Medication Log: Provide a log where users can track and record when they have taken their medication to ensure they stay on top of their schedule.
4. Refill Reminders: Send alerts to users when it's time to refill their medication, based on the duration or quantity remaining.
5. Medication Information: Include a database or integration with reliable sources to provide detailed information about each medication, including dosage instructions, side effects, and precautions.
6. Customization Options: Provide flexibility for users to customize their reminders, such as choosing different notification sounds or setting up multiple reminders for complex medication regimens.



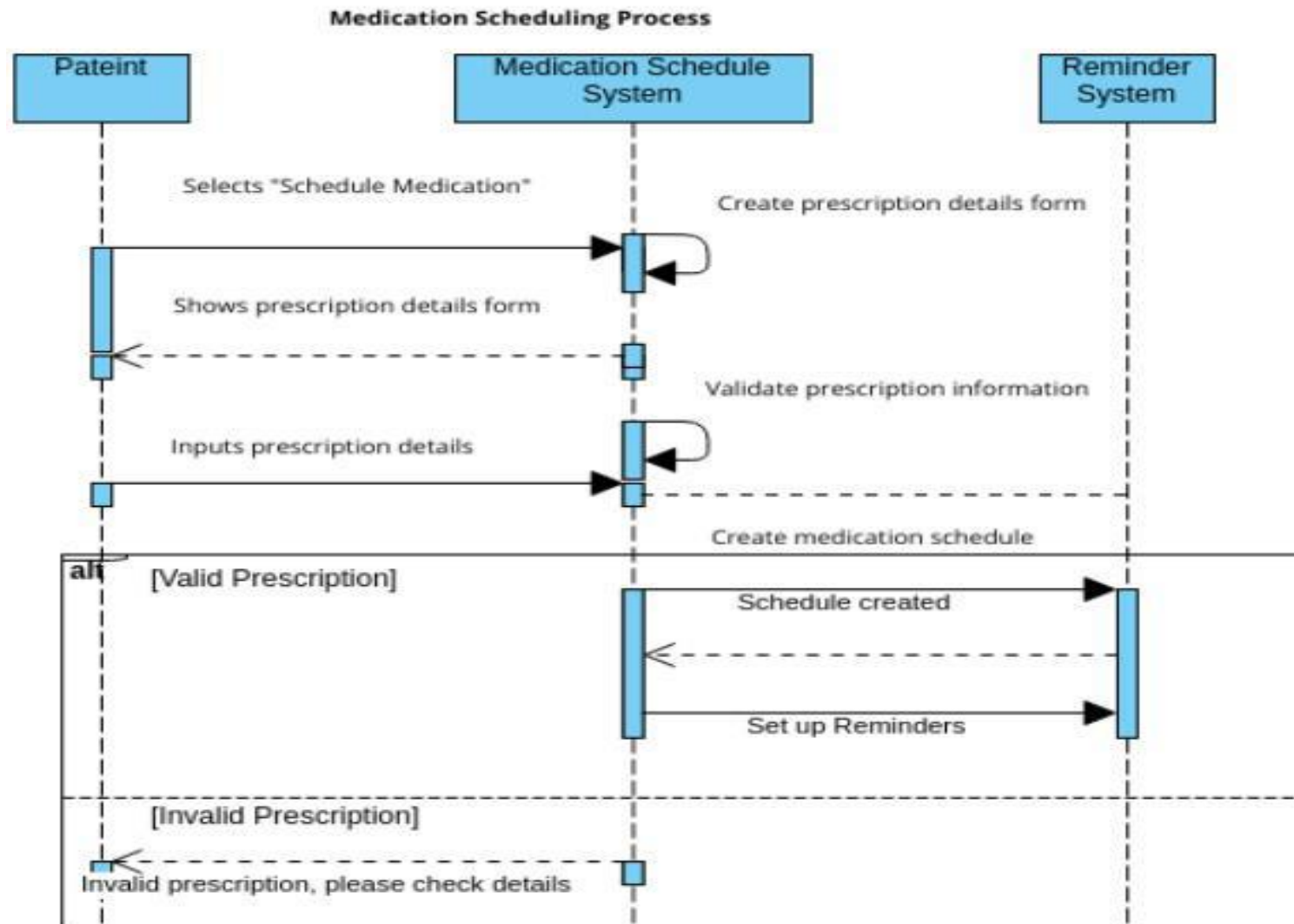
# Use Case Diagram:



# Class Diagram:



# Sequence Diagram:



# Algorithms Description:

1. Gather medication information: Collect details about the medications, such as name, dosage, frequency, and any special instructions.
2. Set up reminders: Based on the medication details, create reminders for each medication at the specified times. You can use notifications or alarms to alert the user.
3. User input: Allow the user to input their medication schedule, including the time and dosage. This information will be stored for future reminders
4. Reminder notifications: When it's time for a medication, send a notification to the user's device to remind them to take their medicine.
5. Tracking and logging: Keep track of when the user takes their medication. We can see medications which are to be taken on daily basis.

# Output:

13:31

← Add Medicine

 medicine name  
medicine dosage

Daily ☐

Start Date  mm/dd/yyyy

End Date  mm/dd/yyyy

MO TU WE TH FR SA SU


SAVE ADD TIME

21:39


≡ Home

ADD MEDICINE

NEXT MEDICINE(S) IN COMING WEEK


 dolo  
650  
Daily 21:37


paracetamol  
250  
Daily 21:37


 Glykind M  
500  
Daily 05:19


21:40


← Home


 Ram Sharma


 Edit User


 My Medication

 Calender

 Settings

 Medical report

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# CONCLUSION:

Thus by referring many existing products, previous projects and research papers based on medicine dispenser and also taking into consideration problems faced by disabled people. We thought of such a system which will help to overcome the disadvantage of existing or previous system. A mobile-phone-based automated medication reminder system shows promise in improving medication adherence and blood pressure in high-cardiovascular-risk individuals. The patients will get the schedule of medicine in-take time with medicine image, starting and automatic alarm ringing system and doctor's contact details. The scheduled reminder will not suggest any kind of medicine which is not prescribed by the doctor that will assure the safety of the patient and also will avoid wrong dosages. This will be done without any extra cost.