

Patient Management Mobile Application

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Android application to assist Doctor's for patient data management and viewing. The doctor can easily add new patient's info as well as track the patient medical history at any given point of time all in his android mobile phone.

- It is implementation of an android application for patient data management and viewing.
- The system is aimed to help doctors to add new patient personal information and update the medical condition each time he visits.
- The doctor can use the application to get all the past medical history of that particular patient at any given point of time.
- The doctor can also check on all the patients he treated for any particular day of the calendar.

- Doctor can add a new patient, his personal information, medical information and also he can insert new medical conditions into the existing patient's medical records.
- The application allows doctor to insert various data fields regarding a patient including patient name, contact information, age, blood group, gender, medical condition, medication provided, date of visit.
- The doctor may now view this data as and when needed. The application allows doctor to search patients by name which displays all his medical conditions and the medication received in a chronological order starting from most recent visit.

- Android SDK
- Android-Studio
- Android Phones: HTC One, Nexus 5x, Moto G devices used to test the application
- SQLite
- Star UML

Table 1: Doctor

| | |
|---------|----------|
| login | password |
| varchar | varchar |

Table 2: Patient

| | | | | | | |
|---------|---------|---------|---------|---------|--------|------------|
| Fname | Lname | Email | Mobile | Address | Age | Bloodgroup |
| Varchar | Varchar | Varchar | Varchar | Varchar | Number | Varchar |

Table 3: Medical_History

| | | | | |
|---------|---------------|-----------|------------|---------|
| email | date_of_visit | condition | medication | note |
| varchar | date | varchar | varchar | varchar |

Use Case Diagram

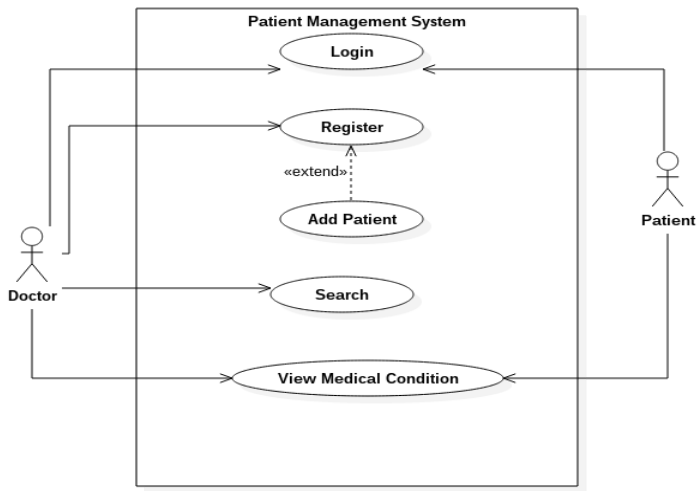
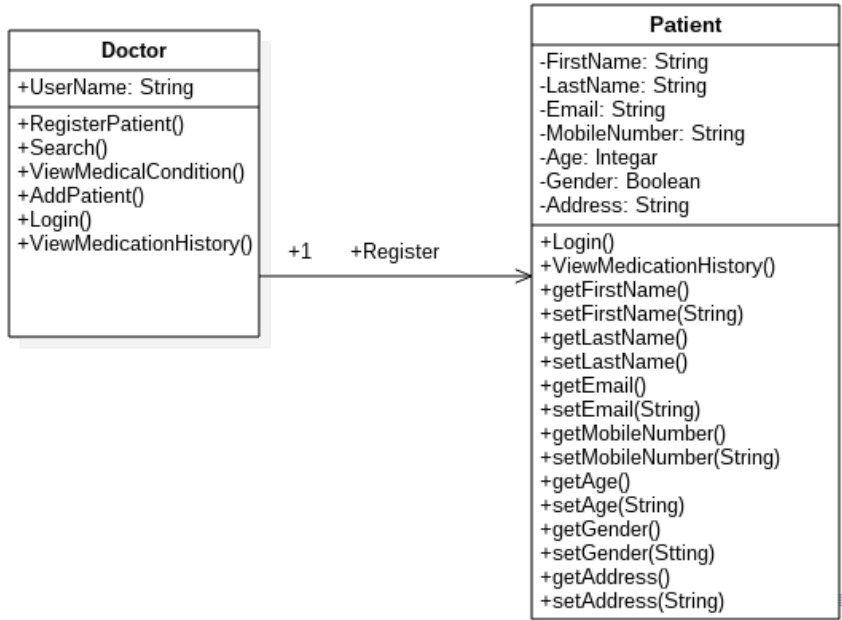


Figure 1: UseCase Diagram.

Class Diagram



Sequence Diagram

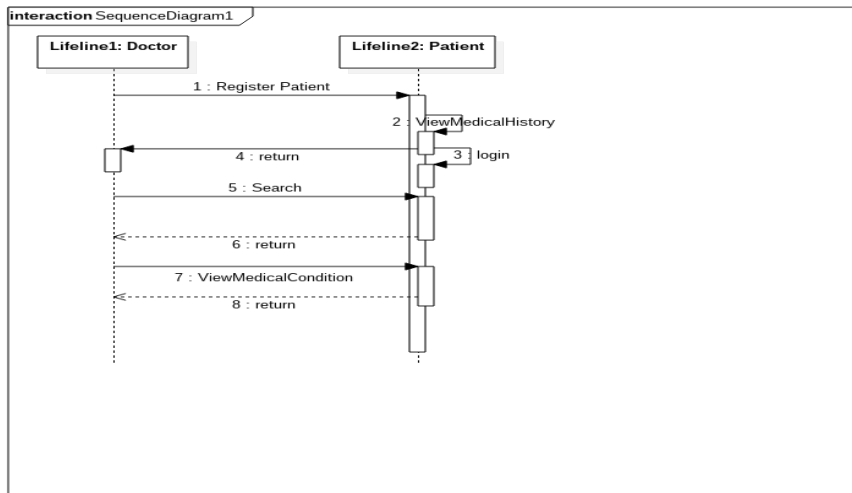
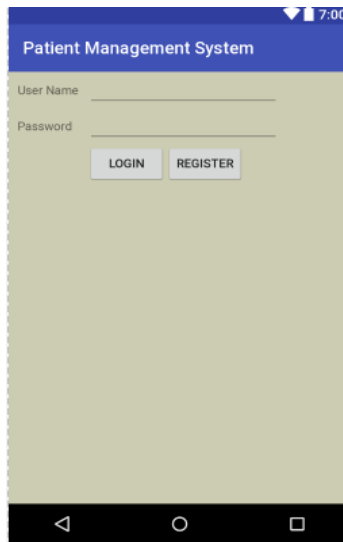


Figure 3: Sequence Diagram.



The image shows a mobile application interface for a "Patient Management System". At the top, there is a blue header bar with the title "Patient Management System" in white text. Below the header, the background is a light beige color. There are two input fields: "User Name" and "Password", each followed by a horizontal line for text entry. Below these fields, there are two buttons: "LOGIN" and "REGISTER", both with a light gray background and black text. At the very bottom of the screen, there is a black navigation bar with three white icons: a triangle (back), a circle (home), and a square (recent apps). The top status bar of the phone is visible, showing a signal strength indicator, a battery icon, and the time "7:00".

Figure 4: Login

Register

The screenshot displays a mobile application interface for a 'Patient Management System'. The app has a blue header bar with the title 'Patient Management System' and status icons (Wi-Fi, battery, and time 7:00) in the top right corner. The main content area is a light beige color and contains three text input fields labeled 'User Name', 'Password', and 'Registration Code' stacked vertically. Below these fields is a grey rectangular button with the text 'REGISTER' in black capital letters. At the bottom of the screen is a black Android navigation bar with three white icons: a back arrow, a circle, and a square.

Figure 5: Register

Doctor's Menu

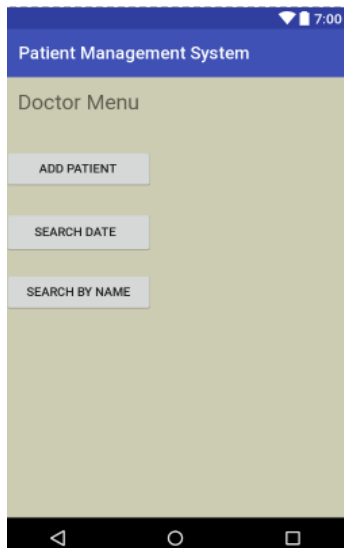


Figure 6: Doctor's Menu

Add Patient

Patient Management System

Add Patient

First Name

Last Name

Email

Mobile

Age

Blood Group

Gender

SAVE AND PROCEED

Figure 7: Add Patient

Medical Input

Patient Management System

Medical Input

Condition

Medication

Enter Note

SAVE

Figure 8: Medical Input

Search by Name

Patient Management System

Search By Name

First Name _____

Last Name _____

SEARCH

Figure 9: Search by Name

Search by Date

Patient Management System

Search By Date

Date Of Arrival

SEARCH

Figure 10: Search by Date

Q&A