

# Patient Tracker System:

## Optimizing Patient Care

# Meet the Team: MRCube



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# Introduction

The aim is to develop an efficient online Patient health data tracking system to ensure,

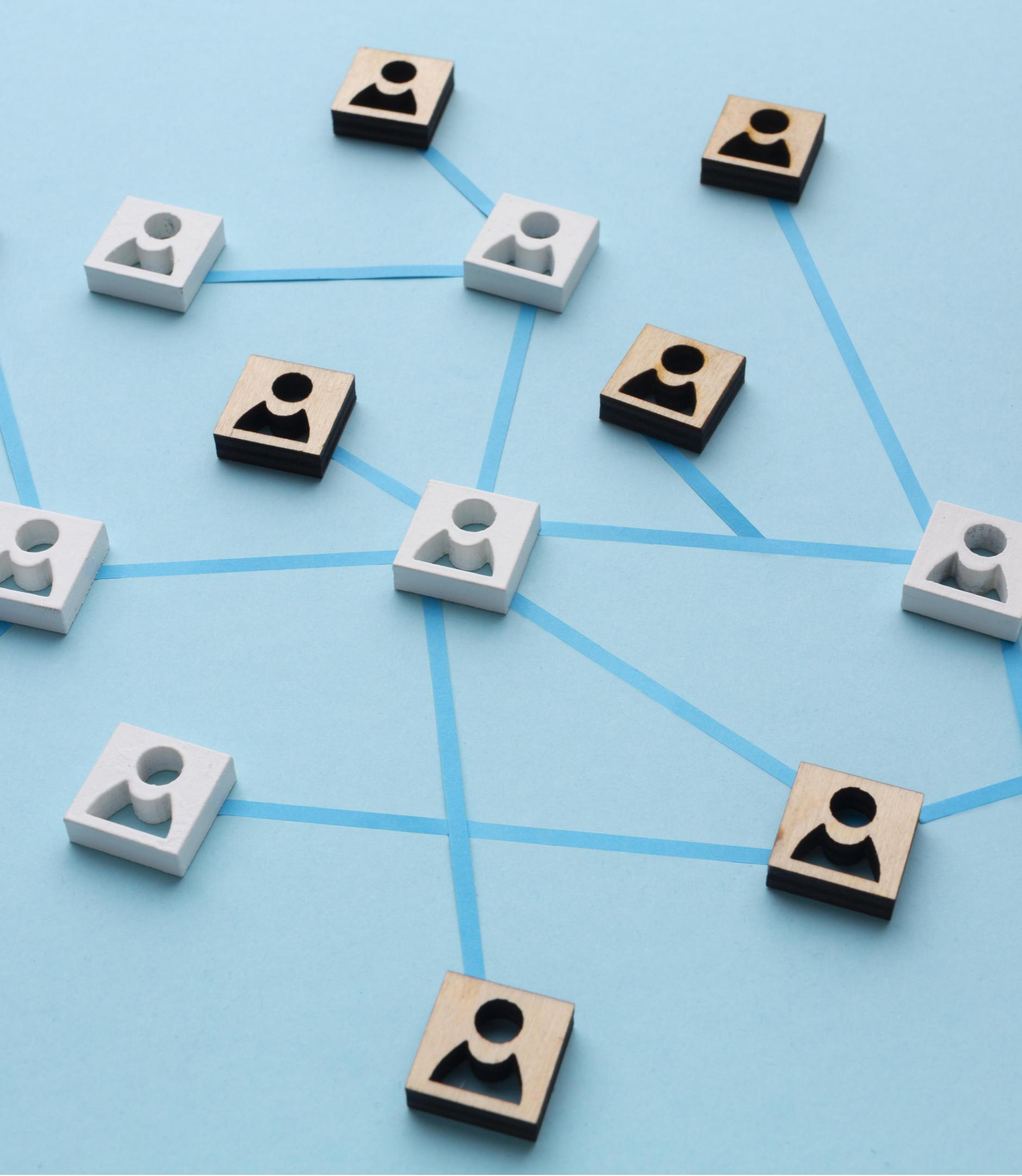
- Enhanced Patient Care and Safety
- Operational Efficiency
- Reduced Errors
- Data-Driven Insights



## Key Features of the Patient Tracker System

The Patient Tracker System includes a range of powerful features to support comprehensive patient care.

1. User Management
2. User Authentication
3. Data Visualization
4. Alerts and Notifications
5. Appointment Management



# Features

## 1. User Management:

User management in the Patient Tracker system is essential for administrators to create, modify, and deactivate user profiles. It empowers administrators to assign roles and permissions to different user categories, ensuring the right access to data and functions.



# Features

## 2. User Authentication:

User authentication in the Patient Tracker system relies on strong methods, including usernames and passwords, to ensure the security and privacy of patient information. This authentication layer is essential for maintaining the confidentiality and integrity of medical records.



# Features

## 3. Data Visualization:

Data visualization is a powerful tool in the Patient Tracker system, offering doctors graphical representations of patient health data, including trends, historical information, and key metrics. This visual data enables quick assessments of patient health, pattern recognition, and informed treatment decisions.



# Features

## 4. Notifications and Alerts

Notifications and alerts in the Patient Tracker system send real-time updates to doctors and patients, including appointment reminders, health updates. This boosts patient engagement, adherence, and keeps doctors informed about patient needs.

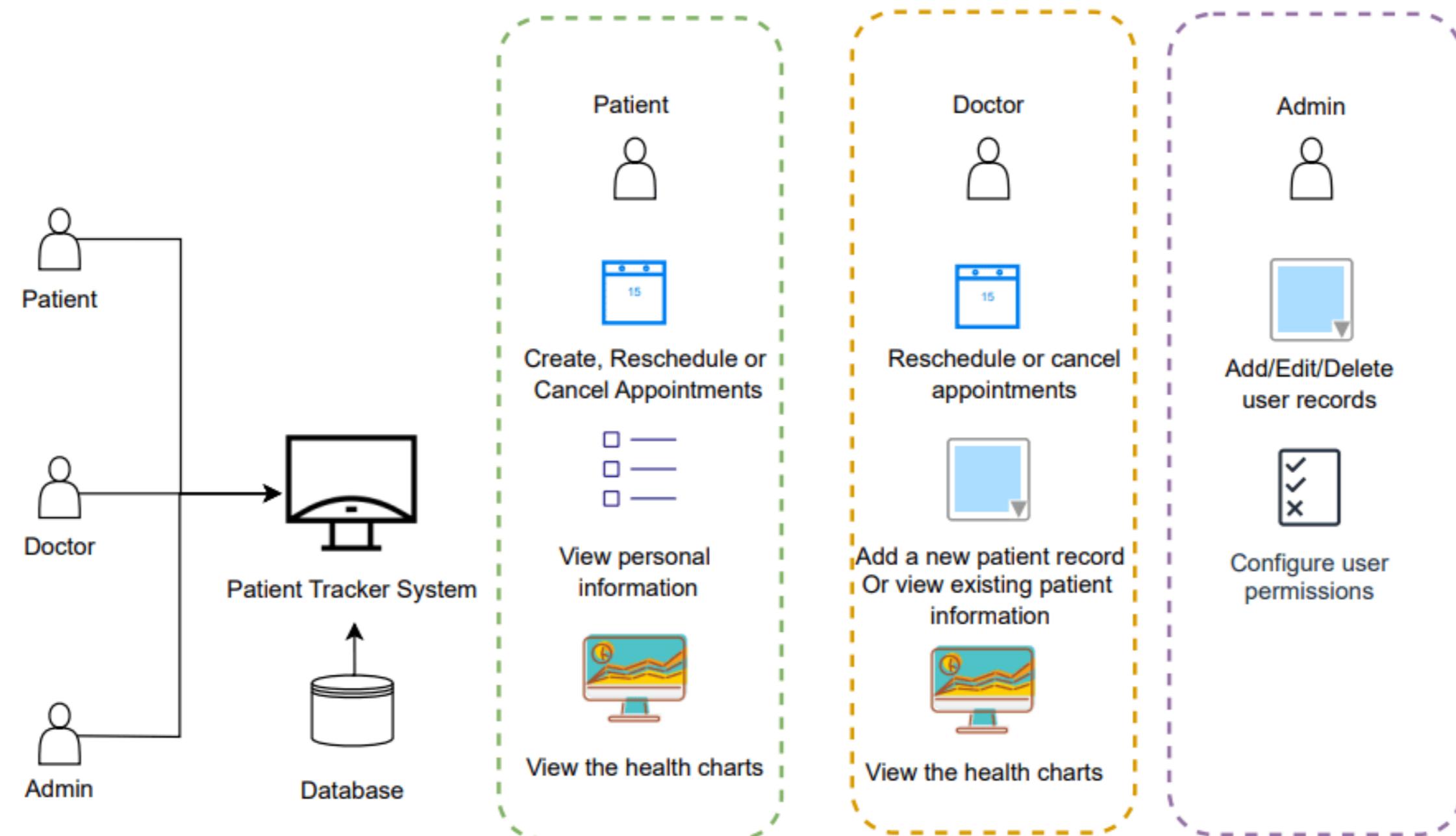


## Features

### 5. Appointment Management

Appointment management in the Patient Tracker system centralizes scheduling, allowing healthcare providers to efficiently manage appointments, view calendars, and ensure patient availability. Patients can request appointments, view their scheduled visits, and receive timely notifications. This ensures coordinated and timely patient care.

# Architecture Diagram





## Challenges of the Patient Tracker System

In the course of implementing this proposed system, there are some challenges that we might face and they are as follows:

1. Security
2. Scalability
3. User Experience
4. Regulatory Compliance

Our aim is to create a system which will support efficient management of patient records while trying to overcome these challenges to the maximum extent

# Conclusion

In conclusion, the Patient Tracker System is a comprehensive solution that revolutionizes patient care by providing real-time access to critical patient information. Its advanced features and benefits contribute to improved patient safety, enhanced communication and collaboration, and better overall quality of care. By implementing the Patient Tracker System, healthcare facilities can optimize their operations and deliver superior patient outcomes.

**Thanks!**