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ID: 23UGCA044

**Hospital Management
System**

Streamlining Healthcare Operations

Key Technologies

Frontend Development

The user interface is crafted with cutting-edge tools, ensuring a responsive and intuitive experience for all users.

- React.js
- JavaScript



Backend Architecture

Our server-side applications are designed for high performance and reliability, handling all data processing and business logic.

- Node.js
- Express.js



Database Management

Data is securely stored and efficiently retrieved, providing a flexible and scalable solution for hospital records.

- MongoDB





Hospital Management System: Streamlining Healthcare Operations

This presentation outlines the transformative capabilities of our Hospital Management System, designed to enhance efficiency and patient care across all operational facets.

Managing Departments & Hospital Rooms

Our system provides centralised control of all hospital departments, significantly improving coordination and resource allocation. This ensures seamless operations from admissions to discharge.

Real-time tracking of rooms and beds reduces patient wait times and optimises occupancy. For instance, automated bed management alerts staff instantly when rooms become available, speeding up admissions and transfers.





Appointment Settings & Scheduling

Our system empowers patients with effortless appointment management while boosting hospital efficiency.

1

Flexible Booking Options

Patients can book, reschedule, or cancel appointments conveniently via a secure online portal, accessible 24/7.

2

Automated Reminders

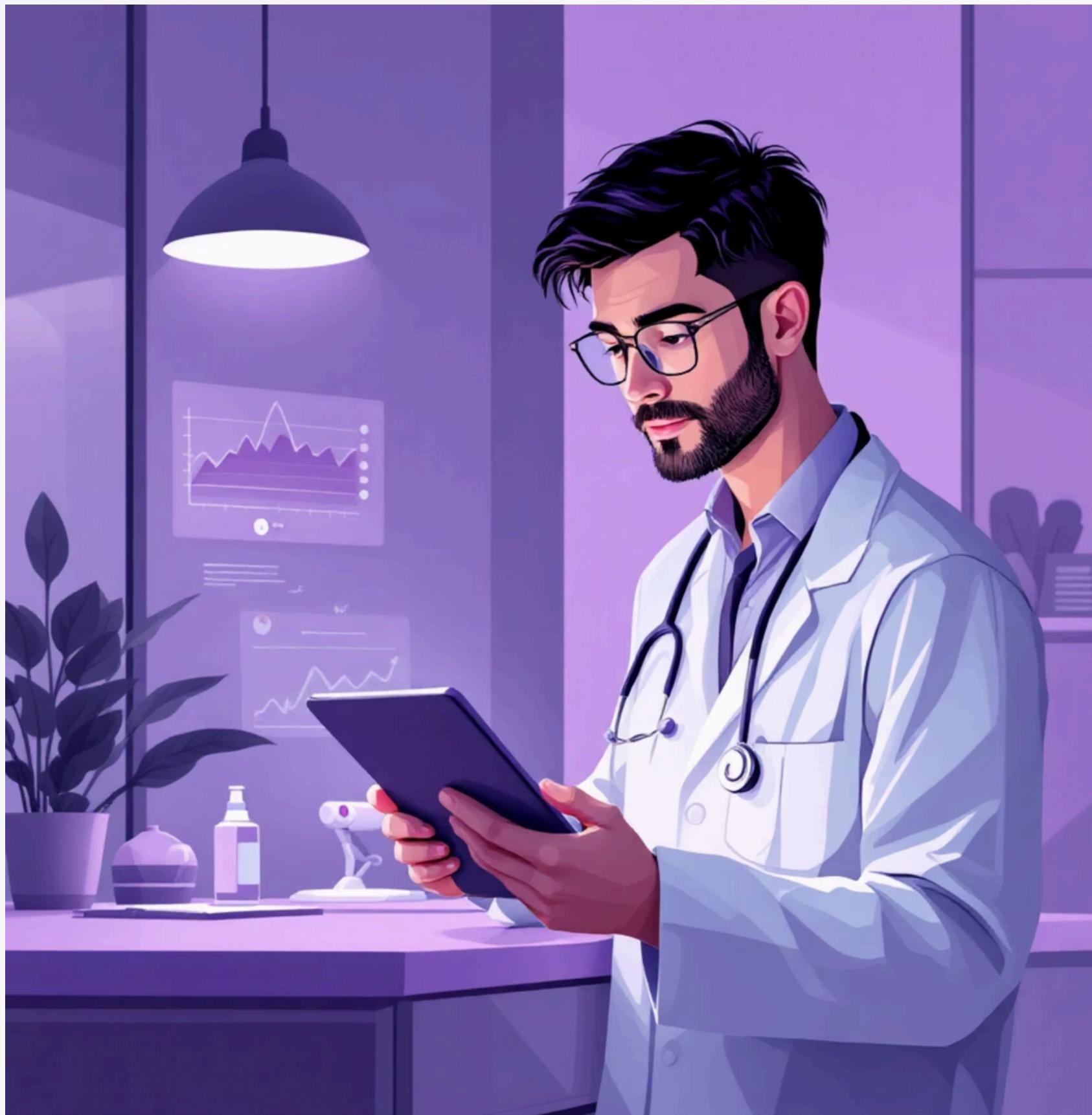
Automated SMS and email reminders drastically reduce no-shows, maximising doctors' valuable time and ensuring optimal resource utilisation.

3

Streamlined Daily Overviews

Hospital staff receive clear, concise daily overviews, preventing scheduling conflicts and enhancing overall patient flow through optimised queue management.

Doctor Login & Dashboard



Doctors benefit from secure, personalised dashboards providing instant access to their appointments, patient lists, and daily schedules.

This feature enables quick review of patient medical histories and treatment plans, significantly enhancing diagnostic and treatment decision-making.

The dashboard also supports seamless and secure communication between medical professionals and hospital administration, fostering a collaborative environment.

View Profile, Medical History & Billing

Our system ensures complete transparency and ease of access to essential patient information and financial records.



Comprehensive Patient Profiles

Patients and authorised staff can access detailed profiles, including complete medical records, past visits, and current treatment plans.



Integrated Billing Module

Automated invoicing, efficient insurance claims processing, and transparent payment tracking reduce administrative burden and minimise errors.



Enhanced Data Security

Robust security measures protect sensitive patient data, ensuring compliance with privacy regulations and maintaining trust.

Transforming Hospital Care & Efficiency

Revolutionising Hospital Management for a Healthier Future

Our Hospital Management System unifies critical functions into one intuitive platform, delivering substantial benefits:

- Reduced paperwork and administrative overhead.
- Faster patient processing and reduced wait times.
- Better resource utilisation and optimised operational costs.
- Improved quality of patient care and enhanced satisfaction.