Project Name: Hospital Management System

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Project Overview

This Hospital Management System is a web-based solution designed to streamline hospital operations and manage patient information, doctor availability, and appointment scheduling. It provides role-based access for administrators, doctors, and front-desk personnel to manage their respective tasks efficiently. The system is built to improve clinical workflows, enhance data accuracy, and reduce paperwork by digitizing essential hospital functions. It features responsive design, user authentication, and secure record-keeping to ensure a professional and scalable healthcare management experience.

- **You can view the complete source code and project structure on GitHub:**
  🔗 https://github.com/codewithdhruba01/Hospital-Management-System

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Modules and Features

1. **User Authentication:** Secure login system for Admin, Doctor, and Front Desk users with session-based access control.
2. **Doctor Management:** Add, view, update, and delete doctor records with specialization, contact details, and availability.
3. **Patient Management:** Register patients and manage their personal and medical details through a clean, accessible interface.
4. **Appointment Management:** Schedule, cancel, and view appointments with real-time doctor availability and appointment history.
5. **Front Desk Dashboard:** Interface for front-desk staff to handle patient registrations and assist with appointment coordination.
6. **Admin Dashboard:** Tools for managing users, overseeing doctor and patient records, and accessing system-wide insights.
7. **Responsive Design:** Supports dark/light mode and ensures compatibility across desktop and mobile devices.

Technical Requirements

- **Front-end:** Built using HTML, CSS, JavaScript
- **Back-end:** Developed using PHP
- **Database:** MySQL (Relational Database System)

Conclusion:

This system digitizes hospital workflows, providing a scalable and user-friendly solution for healthcare facilities. Its modular architecture, intuitive interface, and role-based access make it an ideal base for further development or real-world deployment in small to medium-sized hospitals.