

# **Business Requirement Hospital Management Database**

1. Manage hospital information within the database, including adding new hospitals and retrieving details about existing ones. Use these commands to efficiently handle hospital data, ensuring up-to-date and accurate records.
2. Provide search functionality within the hospital management system to enable staff to quickly retrieve patient information like medical records and insurance information.
3. Calculate and analyze patient readmission rates by using data of the patients, and appointments after a specific period of time. Identify if a patient has had a second appointment (readmission) within 30 days of their first appointment.
4. Provides detailed information about all appointments stored in the database to give users comprehensive insights into the scheduled appointments, including patient information, doctor details, department, equipment used, and the date and time of the appointments.
5. Provide procedure that retrieves a doctor's full schedule for a specific day, including patient names, appointment information, and order results by appointment times.
6. Efficiently manage and retrieve patient information from the hospital database, providing comprehensive access to all patients' records or specific details using unique patient IDs. This functionality is crucial for medical staff to access necessary patient information for diagnosis, treatment, and follow-up care.

7. Integrate real-time inventory management for identifying and managing medications that are nearing their expiration dates for ensuring the safety, efficacy, and regulatory compliance of your pharmacy or healthcare facility.
8. Analyze the department that has the highest number of appointments scheduled so that we can know the common cause for patient to go to hospitals.
9. Retrieve the number of employees in each department to analyze workforce distribution and identify staffing levels across various departments for organizational planning, resource allocation, and identifying areas that may require additional staffing or restructuring.
10. Track medication inventory and send immediate alerts when stock levels fall below a specified threshold. This ensures timely restocking and prevents shortages, maintaining optimal inventory levels to meet patient needs.
11. Generates detailed reports on the utilization rates of medical equipment during specific time frame to provide insights into how often and when each piece of equipment is used, enabling better optimization of equipment usage.
12. Provides a comprehensive overview of the number of medications managed by each pharmacy staff member for effectively monitoring and allocating responsibilities, ensuring that the workload is evenly distributed among the staff.
13. Allows users to obtain the total number of appointments scheduled for each month. This information is presented in an easy-to-read format,

detailing the number of appointments for each month within the current year.

14. Identify the subscription count for each insurance plan so that hospital administrators can gain insights into patient insurance preferences and make informed decisions regarding resource allocation and insurance plan offerings.
15. Increase the stock of a specified medication by adding a given amount to the current inventory. By efficiently managing medication stock levels, hospital administrators can ensure an adequate supply of medications, prevent shortages, and maintain optimal inventory levels.