



ICU MANAGEMENT SYSTEM

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PROBLEM STATEMENT



Lack of a centralized intensive care unit (ICU) database management system makes it difficult to obtain vital patient data in a timely manner, which results in inconsistent data, inefficient use of resources, and deteriorated patient care.



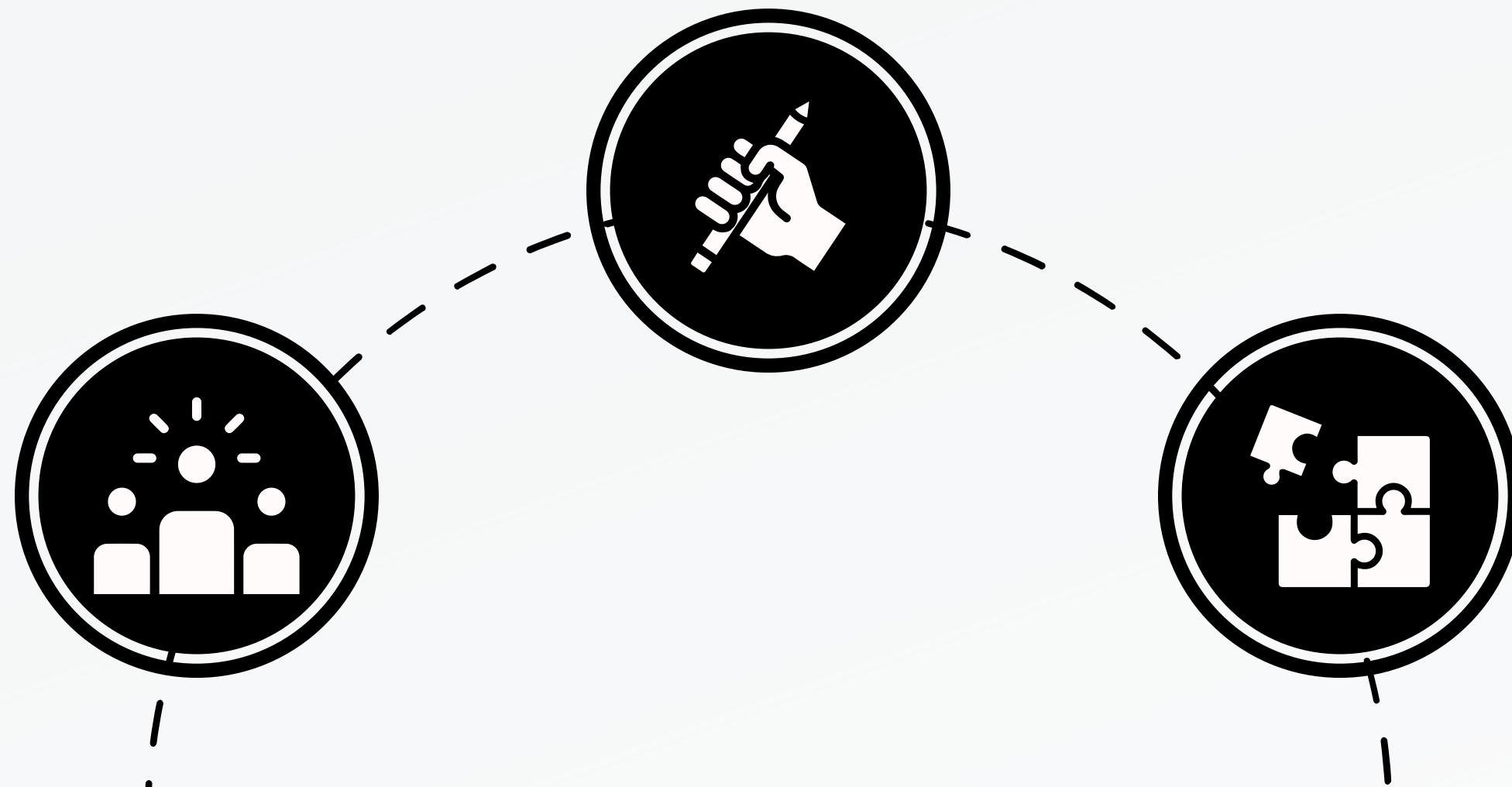
To improve the effectiveness of intensive care unit operations, this project seeks to create a user-friendly system that centralizes patient records, permits real-time monitoring, optimizes resource allocation, guarantees data security and compliance with current healthcare systems.

SYSTEM DESCRIPTION

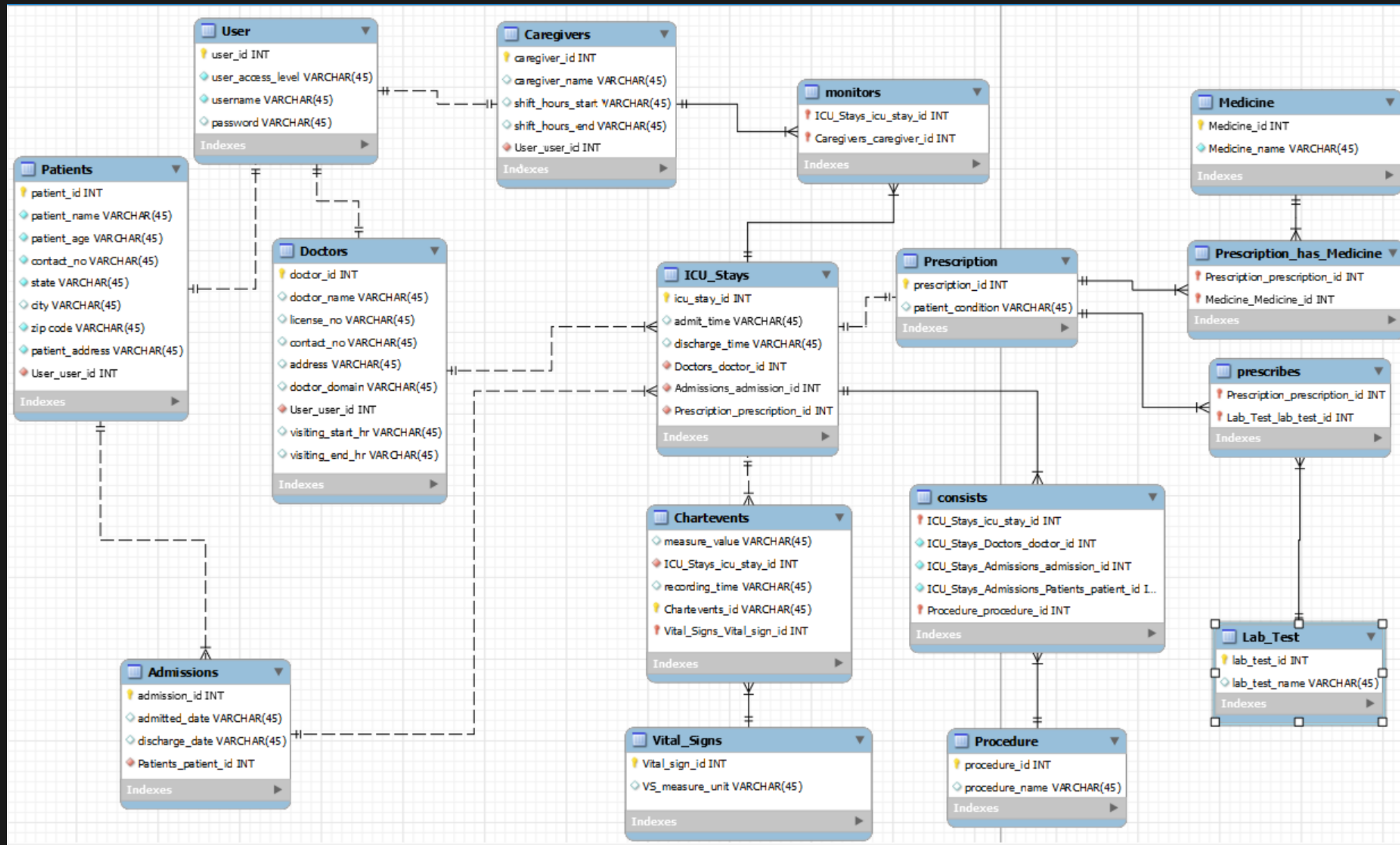
Data about the healthcare providers including ward physicians, nurses, and support staff who are attending to the patient will be recorded and managed.

Vital Signs Monitoring is carried out by collecting medical data at regular intervals using various devices and will be observed for any anomalies in their values.

Lab test maintenance system manages records of lab tests performed and the outcomes obtained. This feature will ensure that test results are delivered to the clinical team on time.



ENTITY RELATIONSHIP DIAGRAM





PROCEDURES

Framework: MySQL connector

Libraries: Pandas, Tabulate

View all user's information

View all patient's information

View all doctor's information

View a doctor's patients

View a patient's lab_tests

View a patient's prescribed medicines

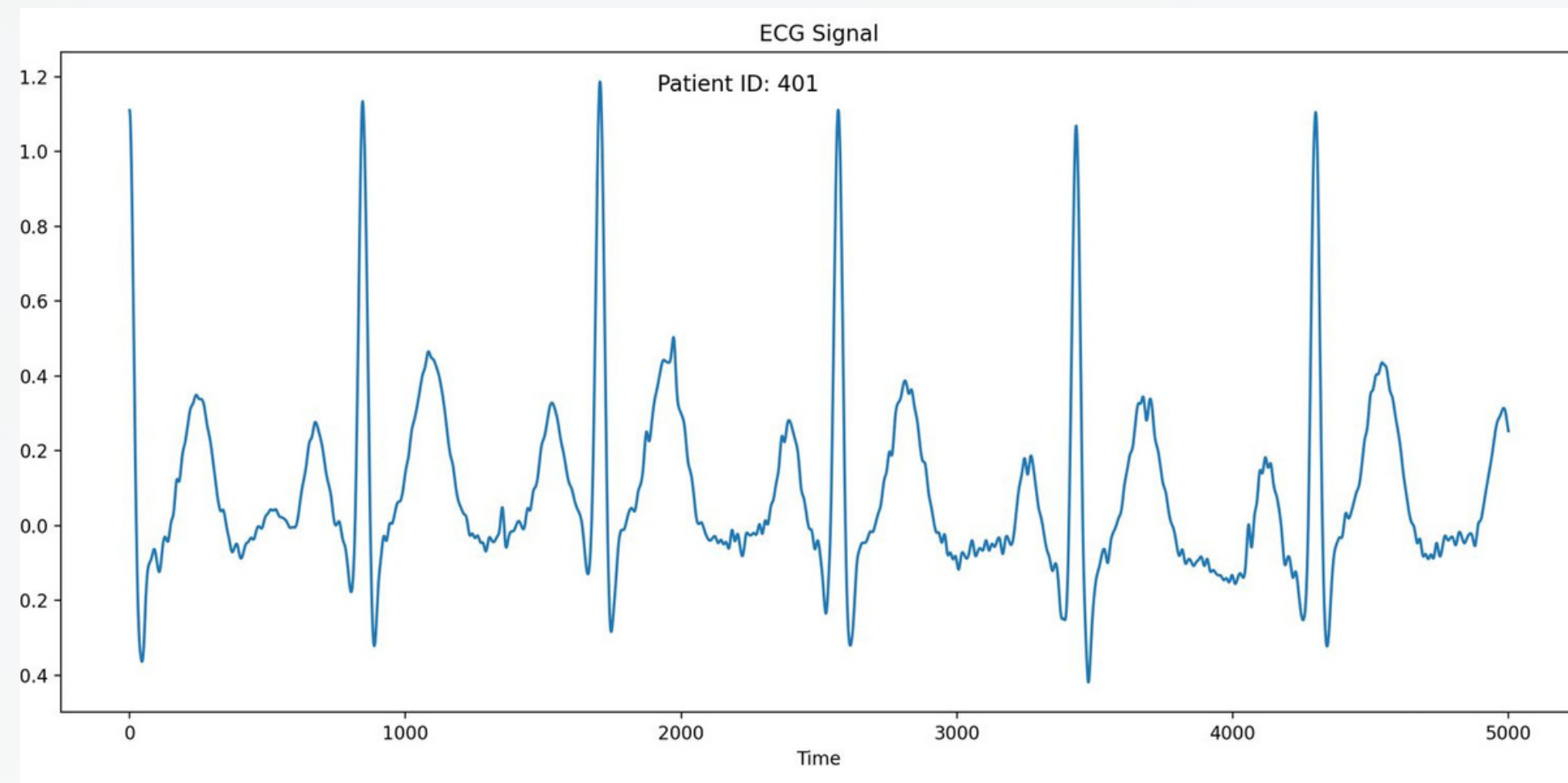
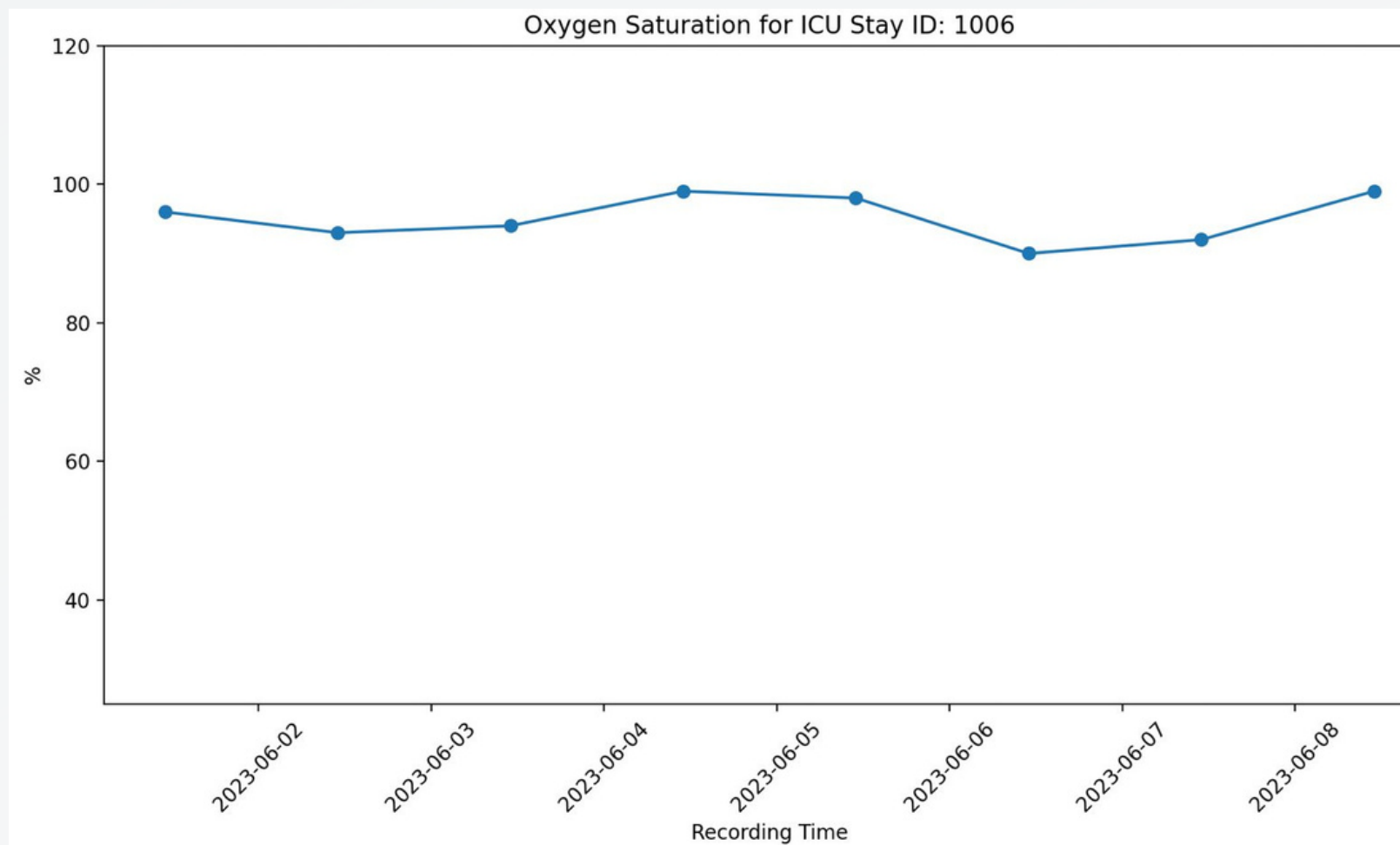
View a patient's health report

Create a trigger to add patient's record to ICU stays immediately after getting admitted



DATABASE DEMO

PLOTS





THANK YOU