

# DIAGNOSTIC LABORATORY MANAGEMENT SYSTEM

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# ABSTRACT

- The Diagnostic Laboratory Management System (DLMS) is a computerized solution designed to streamline and enhance the efficiency of diagnostic laboratories. This system provides a user-friendly interface for managing various tasks involved in laboratory operations, such as patient sample tracking, test analysis, and report generation
- DLMS aims to automate and organize the workflow within a diagnostic laboratory, reducing manual errors and improving overall operational effectiveness. The system facilitates the registration and tracking of patient samples from collection to analysis, ensuring a seamless and accurate process.
- DLMS is designed to enhance the overall efficiency of diagnostic laboratories, reduce turnaround time for test results, and improve the quality of healthcare services.



# PROBLEM STATEMENT :

- Many diagnostic laboratories face challenges in managing their operations efficiently, leading to issues such as delays in test processing, errors in reporting, and difficulties in maintaining accurate records. Manual processes for sample collection, test analysis, and result reporting can result in inefficiencies and pose a risk to the quality of healthcare services provided.
- There is a need for a Diagnostic Laboratory Management System to streamline and automate these processes, ensuring a seamless workflow, accurate record-keeping, and timely delivery of test results. The system should address issues related to sample tracking, inventory management, and reporting accuracy, ultimately improving the overall efficiency and reliability of diagnostic laboratory operations..

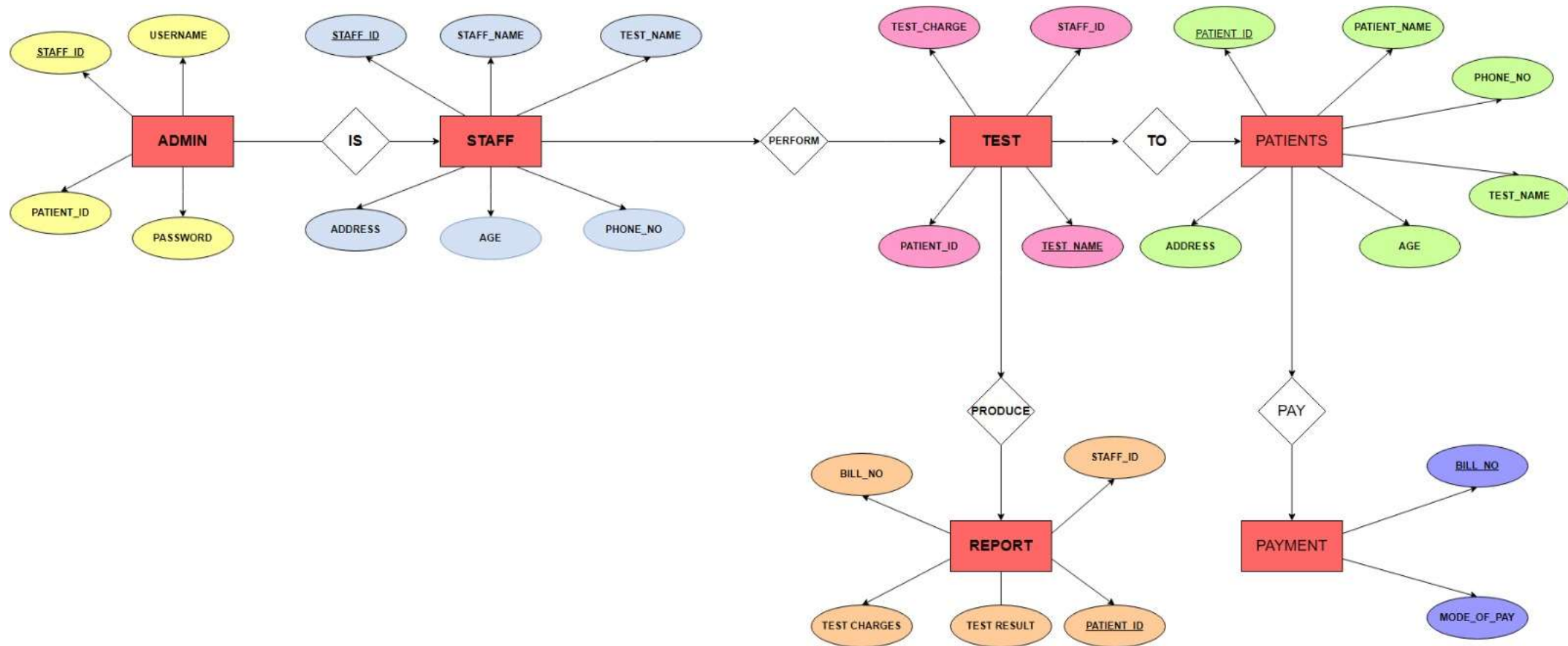


# OBJECTIVE:

- The objective of a Diagnostic Laboratory Management System is to efficiently and accurately manage the processes and information within a diagnostic laboratory.
- This system aims to streamline and improve the overall functioning of the laboratory by automating various tasks and providing a centralized platform for managing patient data, test results, inventory, and other essential aspects.
- The key goals include enhancing the efficiency of diagnostic procedures, reducing errors, ensuring timely and precise reporting, optimizing resource utilization, and ultimately improving the quality of healthcare services provided by the laboratory.



# ER DIAGRAM:



# ENTITIES, RELATIONSHIP, ATTRIBUTES:

ENTITIES :      ATTRIBUTES:      RELATIONSHIPS:

Admin.

Staff ID.

Is

Staff.

Staff Name

Perform

Test.

Address

To

Patients.

Phone No

Produce

Report.

Age

Pay

Payment.

Test Name

User Name

Password

S\_Id

P\_Id

Patient\_Name

Test\_Charge



THANK YOU

