

# **DBMS DESIGN**

## **HOSPITAL MANAGEMENT SYSTEM**

### **Abstract:**

The Database application maintains a hospital management system and keeps all the medical records in a database. This software manages all the information about patient, doctor, medical records, laboratories, medicines and rooms for inpatients. It stores data related to treatment given and all kinds of bills that a patient has to pay.

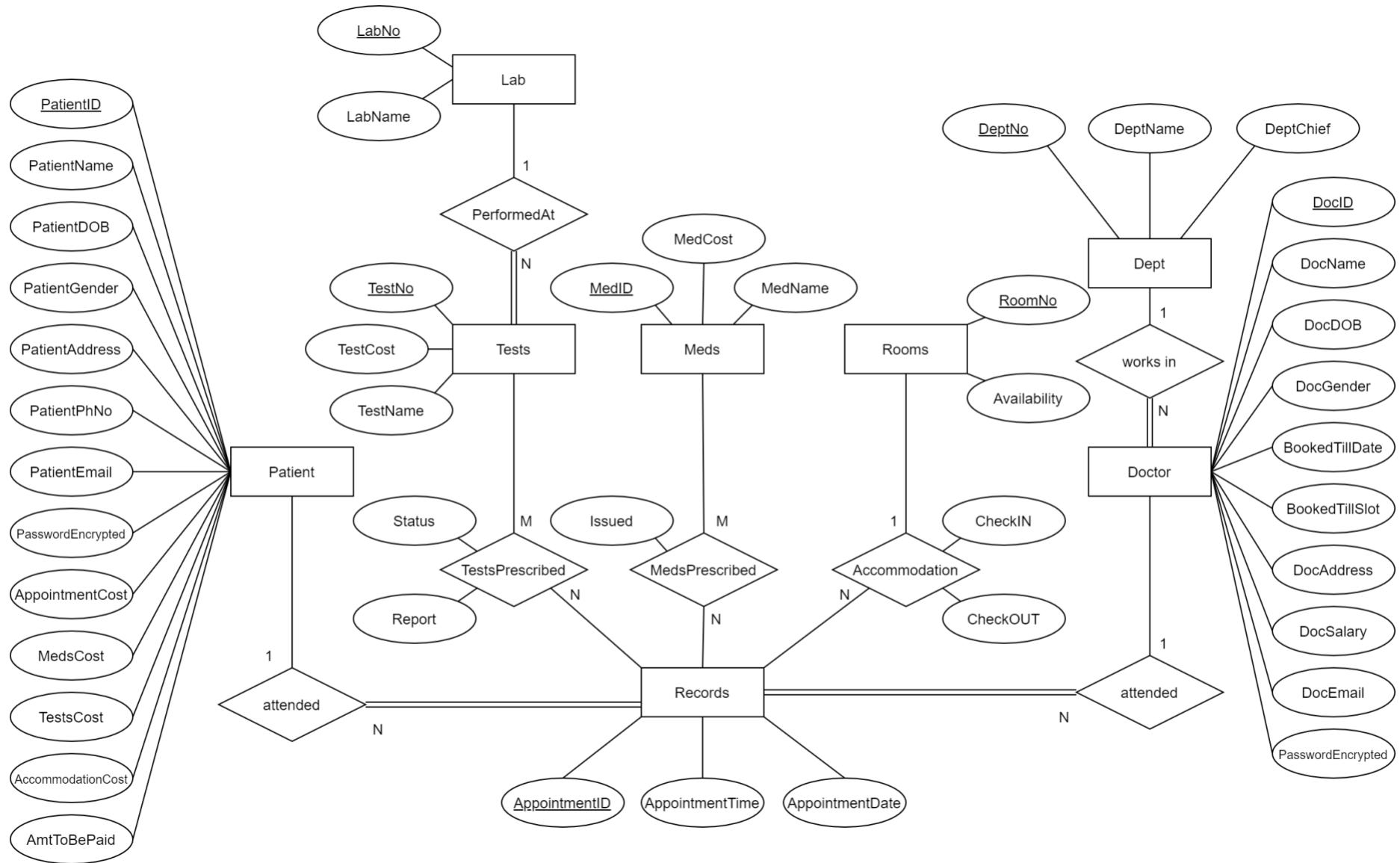
### **Project Requirements:**

- 1) Database to store the entire information
- 2) Query Language: MySQL
- 3) GUI Implementation using Python Tkinter

### **Major Functionalities:**

- 1) Login provision for both patient and doctor.
- 2) Appointment booking system for OUT patient.
- 3) Room allotment for IN patient.
- 4) Provision for prescription of Lab tests and medicines by the doctor.
- 5) Provision for respective doctors and patients to see all the medical records.
- 6) Email notification informing the patient that the lab reports are ready to be viewed in his/her profile.
- 7) Providing the entire summary of medical expenses while patient leaving the hospital.
- 8) Respective admin has the privilege to issue required medicines by selecting among the prescribed and this updates the medicines cost.
- 9) Respective admin can proceed with selected lab tests among the prescribed for a given patient.

# ER MODEL



## RELATIONAL MODEL

