

Hospital Information System

(MyHIS)

Requirement Specification

MyHIS | Kwame Oduro

Latest Revision: May 24th, 2025

Contents

Introduction	4
Functional Requirements	5
Data Management	5
Non-Functional Requirements	
Data Requirements	9
Stored data	9
Performance Requirements	9
Constraints	9
Hardware	9
Glossary	10

List of Figures

ERD for MyHIS	6
MyHIS System	8

Introduction

This file aims to provide details on the requirement specifications for the Hospital Information System.

MyHIS ensures easy management of the daily hospital operations.

We have Employees who are the doctors and nurses and patient details are stored in the Hospital's database. MySQL database is used to store all the data.

Basic create, read, update and delete operations can be executed on all the entities (Patient, Doctor and Nurse).

Functional Requirements

Authentication

This system has no form of authentication. The user just logs in and starts processing their text.

Data Management

Allows users to store doctors, nurses and patient details in MySQL database. Tables were created for the entities.

Since doctors and nurses are employees, there is an employee table which has a relationship with the doctors and nurses table (as in there is a column in the employee table which references the primary keys of the nurses and doctors table).

ERD for MyHIS

An Entity Relationship Diagram is the visual representation of the entities I have in the Hospital Information System.

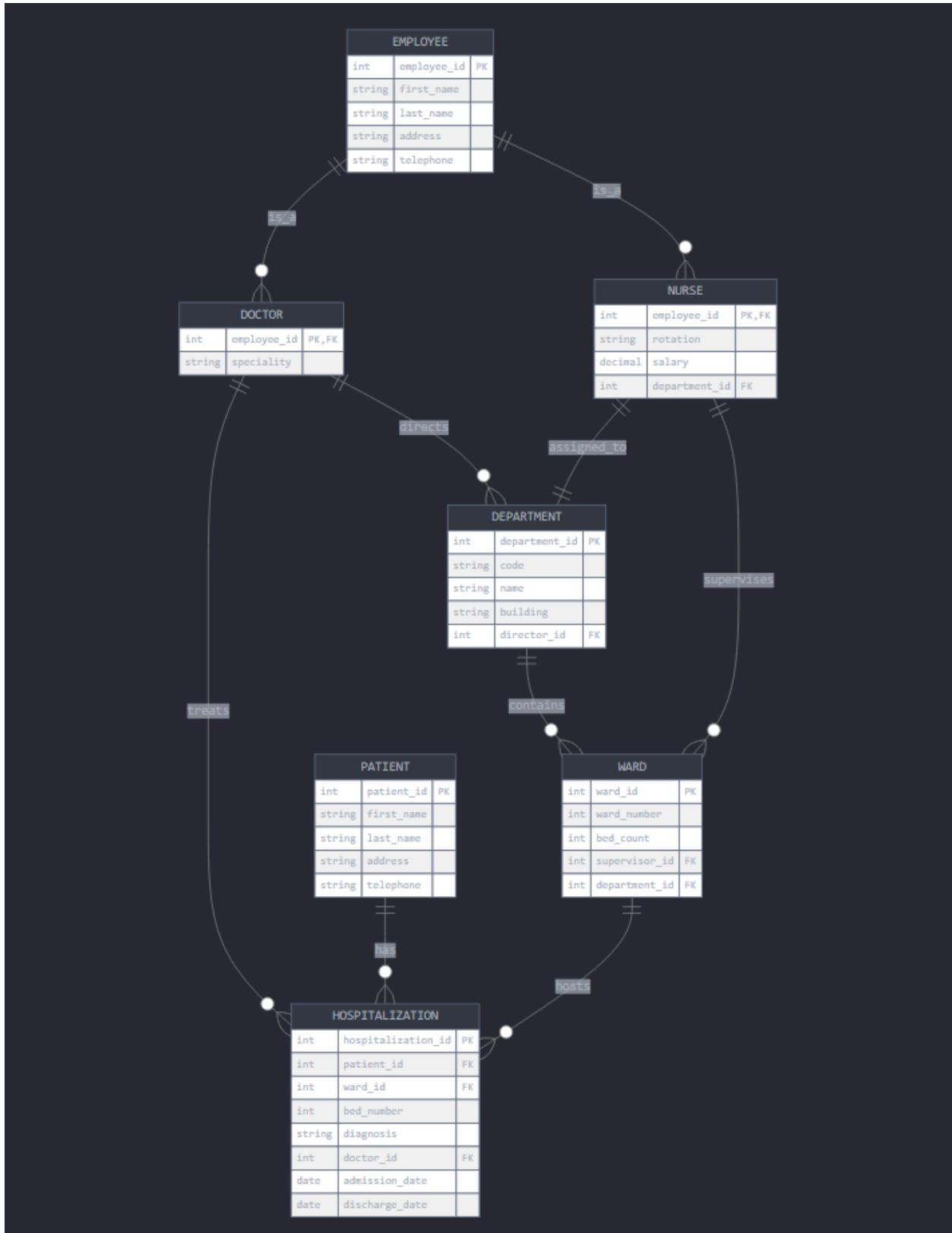


Figure 1: ERD for MyHIS

From the ERD, we can see a table for hospitalization, ward, department in addition to the employee, doctor and nurse table we have.

A nurse is assigned to a department and supervises a ward.

A doctor treats patients and directs a department.

Doctors, Nurses and Patients can be added, deleted and updated in the database.

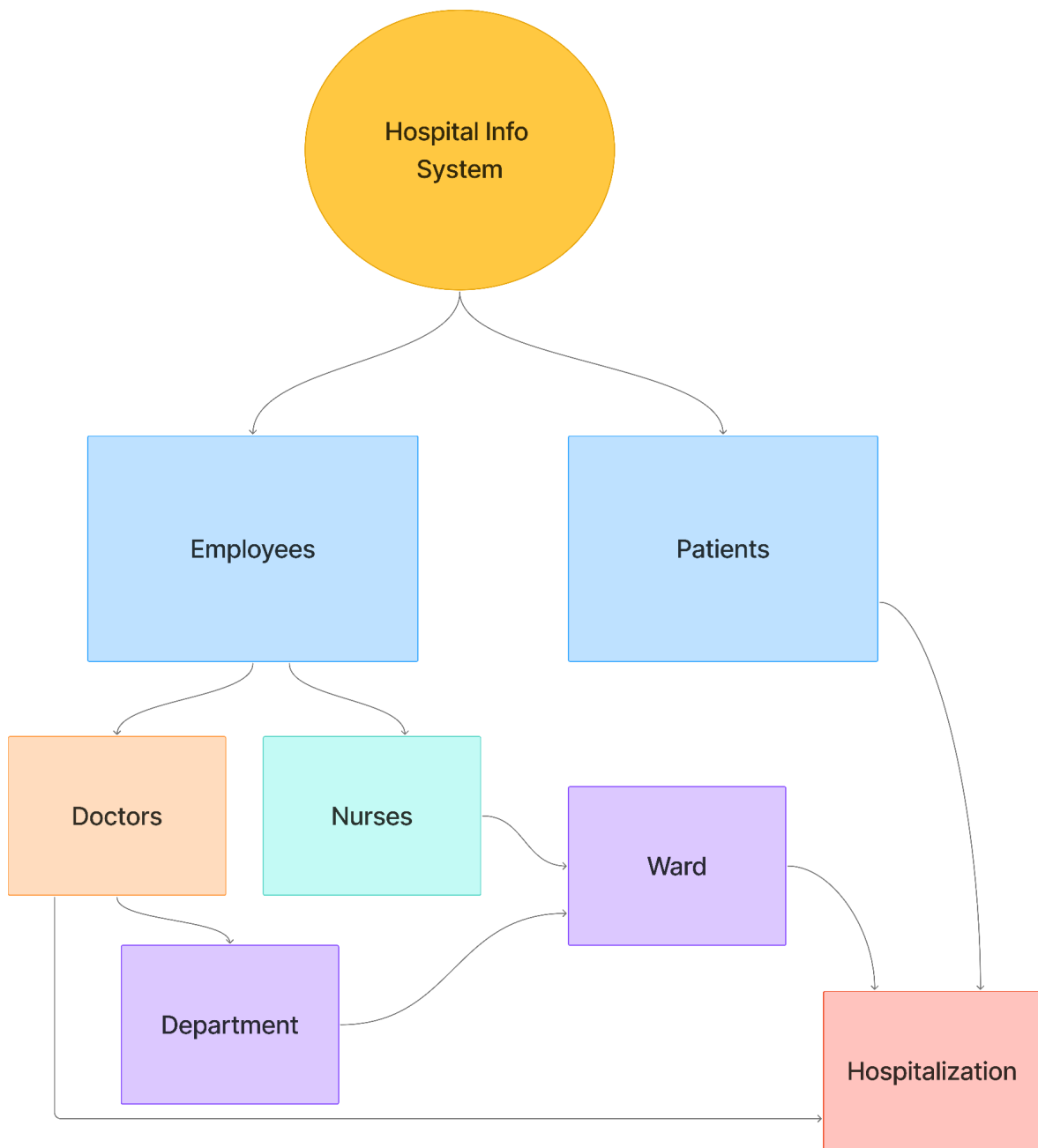


figure 2: MyHIS System

Non-Functional Requirements

Data Requirements

Your (User) system must have the non-functional requirements that conform to the ones detailed in this section.

Data stored on the system

There is data stored on the system. When you close the console after performing all the types of actions, it is saved in the database.

Performance Requirements

The system must be able to:

- Cope with unlimited actions per minute.
- Store and process commands.

Constraints

Hardware

The system must run on a system with a minimum hardware specifications of:

- 1 GB RAM
- Intel Core i3 6th Generation and any equivalent or higher
- 10 GB or more free disk space

Glossary

Entities

Refers to Employees (Doctors, Nurses), Patients, Hospitalization, Department and Ward.