

# TIBA BORA HOSPITAL MANAGEMENT SYSTEM

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# PROBLEM STATEMENT



In the context of managing a hospital, storing data about staff and patients can sometimes be a challenge.

Storing this information in manual databases poses higher risk as there are high chances for data loss in case of fires, etc

Retrieving the records can also be a pain since it has to be done manually

# SOLUTION

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Develop a CLI Application that allows for easy retrieval and efficient management of information about doctors, nurses, patients and wards



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# MINIMUM VIABLE PRODUCT

## Doctors

01

Store doctor details, nurses and patients assigned to a specific doctor

02

## Nurses

Assigned a specific doctor, and to patients.

## Patients

03

Assigned a doctor and multiple nurses. Admitted in a ward

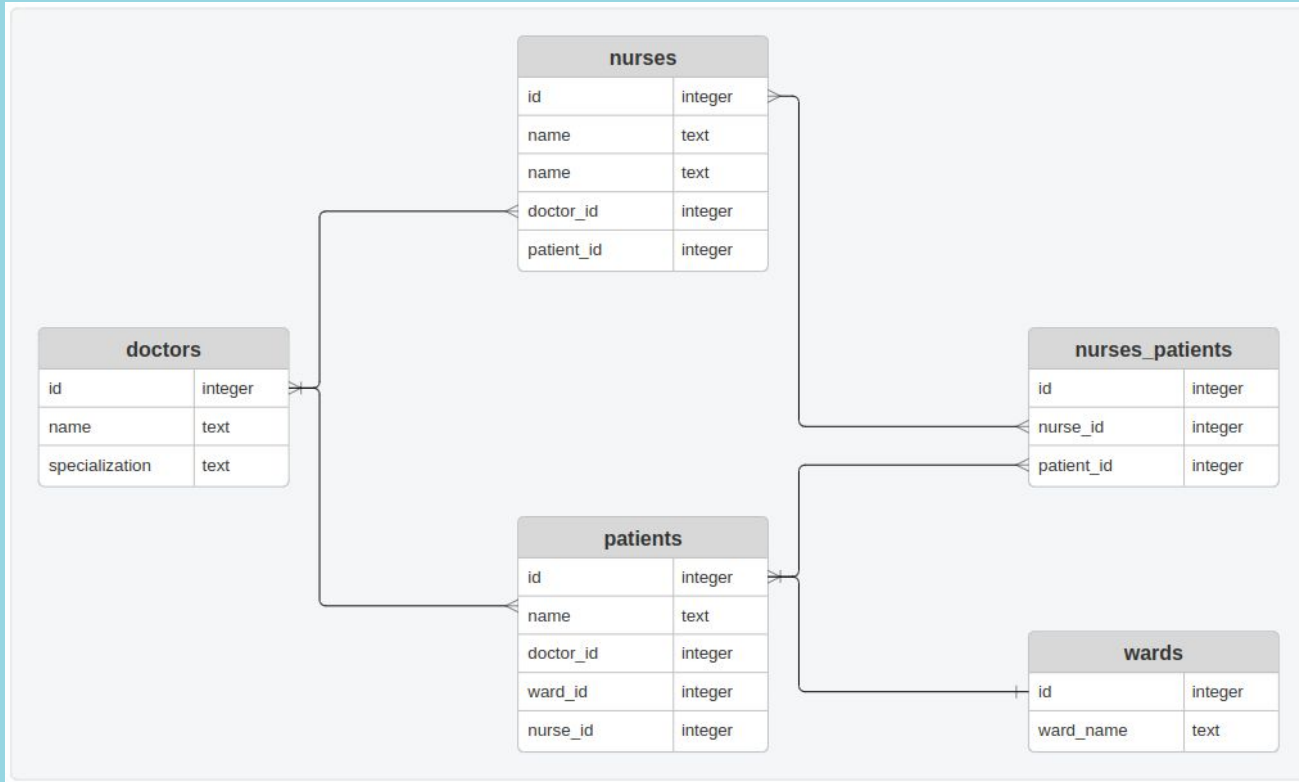
04

## Wards

Have multiple patients.

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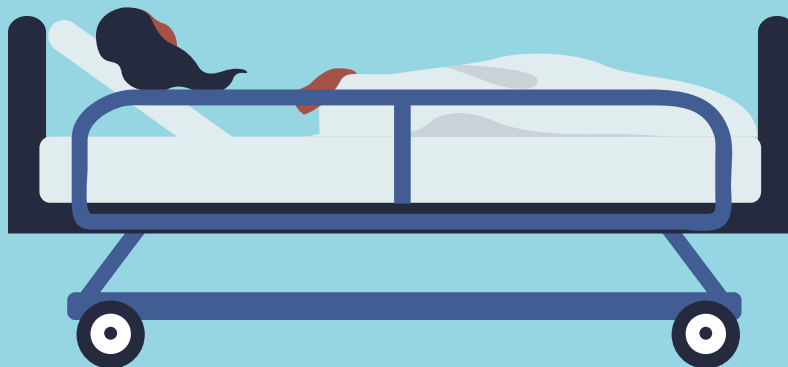
# ERD



# Technologies

Python with the following libraries:

- **SQLAlchemy**
- **Click**
- **Faker**
- **Alembic**



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# SHOW ME THE DEMO

“No evidence? You go explain tire”  
Burna Boy

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# Future Plans

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- Incorporate a User Interface.
- Add patient status: Discharged or Admitted – This will help with the count and capacity of the ward.
- Implement search functionality for doctors, nurses, and patients based on several criteria.





# THANKS

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**Do you have any questions?**

