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Project objective:

- 1. Designing a database system to efficiently manage hospital operations, induding patient information, doeson debits, appointments and departmental staucture
- 2. Ensuring data integrity and consistency by implementing appropriate constraints and relationships between different entities within the nospital management gystem.
- 3. Cheating a flexible database to enlist future modifications in the nospital's organizational stoucture, adding new bronches, departments and doctors.

Introduction: In a nospital, keeping things oppanized helps doctors, nunses and everyone to take good cane and our the system mone efficiently. My project that I am proposing is like a helpful organizer for a hospital. This project aims to create a system where information flows - patient names, doctors details and when appointments are scheduled.

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This project aims to design a comprehensive database system that organizes essential aspects of hospital operations.

Database Tables:

1. 'nospital-branch' Table:

Attributes: branch-no, location, 'contact-no', 'email' Relation: Connected to 'department' table through the branch-no foreign key.

2. 'department' Table:

Attoibutes: dept_id, dept_name, total_doc, dept_nead, boanen-no.

Relation: Connected to 'nospital-broanch' table through the broarch-no forcign key. Connected to the 'doctors' table through the dept-id toreign key.

3. 'doctor table !

Attributes: doc-code, doc-name, dept-id, designation, contact _no.

Relation: Comected to the 'department' table through the 'dept-id forseign key. Connected to the 'appointment' table through the doc-code torseign

rey.

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4. patient Table!

Attroibutes: P-id, P-name, gender, age, weight Relationship: connected to the 'appointment' table through the P-id forceign vey.

5. 'appointment' Table:

Altributes: app_si, app_date, app_time, p-id, doe-code. Relationship: Connected to the the 'the 'doctors' table through 'doc-code forcign key. Connected to the 'patient' table through p-id forcign key.

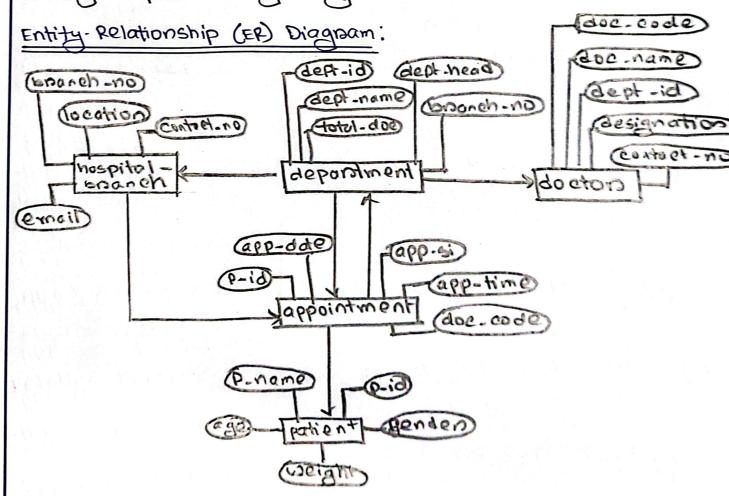


Fig. ER diagram of Hospital Management

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schema Diagram:

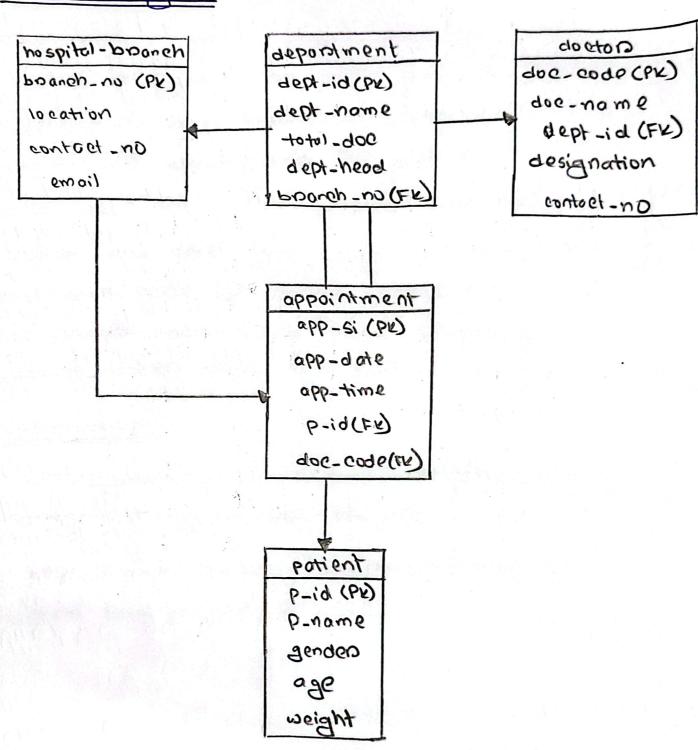


Fig: schema diagram of Hospital Management

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<u>Conclusion</u>: In a hospital, its important to keep things organized of good patient cane. This project apeated a system that helps hospitals manage information about branches, departments, doctors, patients and appointments. The goal of this project is to make the whole system num smoothly, so doctors and staff can easily find what they need and take case of patient better. With this system, the nospital can work more efficiently and provide better care for people.

references:

- 1. nHps://github.com/Rushikesh Shindel4/Hospital-Database-Management - System - SBL - Project
- 2. https:// www. studocu.com/hospital-management-37stem - final-projed/8250622