

Introduction to Database Systems

Hospital System

Proposal phase

Team Number: 19

Team Members:

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|----------------------------|--------|---------|
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The entities of the project:

- 1- Doctors
- 2- Patients
- 3- Nurses
- 4- Stuff
- 5- Manager
- 6- Clinics
- 7- Medicines
- 8- Emergency
- 9- Operations
- 10- Rooms
- 11- Tools/Equipment
- 12- Financial
- 13-laboratories
- 14-rays section

Users of the project:

- 1- Patients
- 2- Doctors
- 3- Manager
- 4-Nurses

Functionalities:

1-patient:

- ✓ Reserve a doctor
- ✓ Reserve medical tests
- ✓ Reserve an emergency doctor
- ✓ Buy a medicine

- ✓ Make a checkup
- ✓ Take a vaccine
- ✓ Give a feedback
- ✓ Reserve a ray
- ✓ Show up their reports
- ✓ Print their receipt

2-doctor:

- ✓ Organize and show up his schedule
- ✓ View his monthly report and his raise
- ✓ Proof his attendance
- ✓ Reserve overtime
- ✓ Set complains
- ✓ Write patient report

3-manager:

- ✓ Hire doctors and nurses
- ✓ Rate doctors and nurses (make a report for both)
- ✓ Set raises for both doctors and nurses
- ✓ Receive complains from patients
- ✓ Receive complains from doctors and nurses
- ✓ Approve requests

4-nurses:

- ✓ Organize their schedule
- ✓ View his monthly report and his raise
- ✓ Proof his attendance
- ✓ Reserve overtime
- ✓ Set complains

Main idea:

Our project serves part of the clinical system which includes patients, doctors, managers, nurses. Where everything will be recorded, the available doctors and their schedule, the available operations rooms, labs and pharmacy stuff in order to facilitate the reservation process for the patients. Also, for doctors and nurses their schedule, reports, complaints, attendance to facilitate the work process. Also for managers and their reports, permissions, following up with the clinical supplies, with the staff salaries and all about the hospital system. Also, we consider a well relationships between hospital components and a methodical distribution of Real- Hospital Entities.