database-tutorials

Objectives

- Learn Front end technologies (HTML,CSS,JS).
- Learn Python Flask Web MicroFramwork.
- Hospital Information Systems(HIS).
- ERD and SQL DBMS.

Deadlines:

Online Files and presentation submission : 7/1/2023

In person group presentation will be held in the week 9/1/2023

Requirements

Main

1. Choose a hospital department:
   - Radiology
   - Emergency
   - HemoDialysis
   - Cardiology
   - Operation Rooms
   - ICU Rooms
   - Ophthalmology Department
   - Internal Medicine Departement
   - Surgery Departement
   - Obstertrics and Gynecology Departement
2. Build a full stack web application for the chosed department
3. The application should enable the user to insert data about the departments modules and retrieve data also about these departments such as staff in this department or devices used in it.

Specific Guidelines

1. different users can use the application and each category can do different stuff (eg. Doctors, Patients, Admin, ..etc)
2. The application should use static files, file uploads (eg. patients scans)
3. user sign up and sign in forms
4. use responsive theme (eg. Bootstrap) as the application will be assessed from mobile view.
5. Synchronize the application with google calender or any calender for doctors.
6. contact us forms for any complains or special request
7. statistical analysis for the admin entry

Important Notes

- You are allowed to discuss task problems with your mates. But code must be on your own.

- You can get code lines from internet and include them in your own code and you must cite the source.
- Sharing few code lines of your own with your classmates is allowed for identifying and fixing bugs, it is not allowed to see others solution before submitting.
- You must mention any kind of contribution of other mates.

Submitting

1. Each team will provide at 10 min presentation of the selected topics. In addition to describing the implemented department.
2. Submission will be on the deadline day which could be changed with dr Ahmed