Database Project

Objectives

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

Required

Main Requirements

1. Choose a hospital department:
     - Radiology
     - Emergency
     - Hemodialysis
     - Cardiology
     - Operation Rooms
     - ICU Rooms
     - Ophthalmology Department
     - Internal Medicine Department
     - Surgery Department
     - Obstetrics and Gynecology Department
2. Build a full stack web application for that department.
3. Design implementation left for your design, but the application should be a dynamic as much as you can.

Specific Requirements

1. Different users can use the application and each category can do different stuff (e.g. Doctors, Patients, Admin, .etc.)
2. The application should use static files, file uploads (e.g., patients scans)
3. users sign up and sign in forms.
4. use responsive theme (e.g. Bootstrap) as the application will be assessed from mobile view.
5. Synchronize the application with google calendar or any calendar for doctors.

6. contact us forms for any complaints 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 the internet and include them in your own code, and you must cite the source.

Deadlines

1. Phase one: **17/12** submission of project ERD and database schema with SQL creation scripts.
2. phase two: **25/12** project deliverable (project progress)
3. phase Three: Final project deliverable

Submitting

1. Each team will provide a 10-minute 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

GitHub: https://classroom.github.com/a/XqcFUd9L