# **Database-Tutorials**

**Objectives**

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

**Deadlines: TBC**

**Requirements**

**Main**

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 the chosen 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 (Bonus)**

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 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