

## **HOMEWORK 0**

### **A. Semester Project**

ID	First Name	Last Name	Corresponding
hz7b	Hussain	Zaki	
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### **2. Hospital Management Database System**

#### **3. Project Description**

The project targets hospitals that need a modern and web-first management system to handle information regarding their patients and the corresponding doctors providing the treatment. The database system will model the complex relationship between patients, nurses/employees, doctors, rooms, medications/treatments, and diseases. It will provide a modern and clean interface for hospital employees as well as patients using Python and the Django web framework.

#### **4. Suggestions/Comments**

None

### **B. Papers**

Priority	Paper ID	Paper Title
First	10	Automatic Database Management System Tuning Through Large-scale Machine Learning Dana Van Aken Andrew Pavlo Geoffrey J. Gordon Bohan Zhang
Second	30	Optimizing Deep CNN-Based Queries over Video Streams at Scale - Daniel Kang John Emmons Firas Abuzaid Peter Bailis Matei Zaharia
Third	6	Distributed Algorithms on Exact Personalized PageRank
Fourth	44	Distributed Publish/Subscribe Query Processing on the Spatio-Textual Data Stream
Fifth	46	Twitter Heron: Towards Extensible Streaming Engines