

ER Diagram

Hospital Database Management System

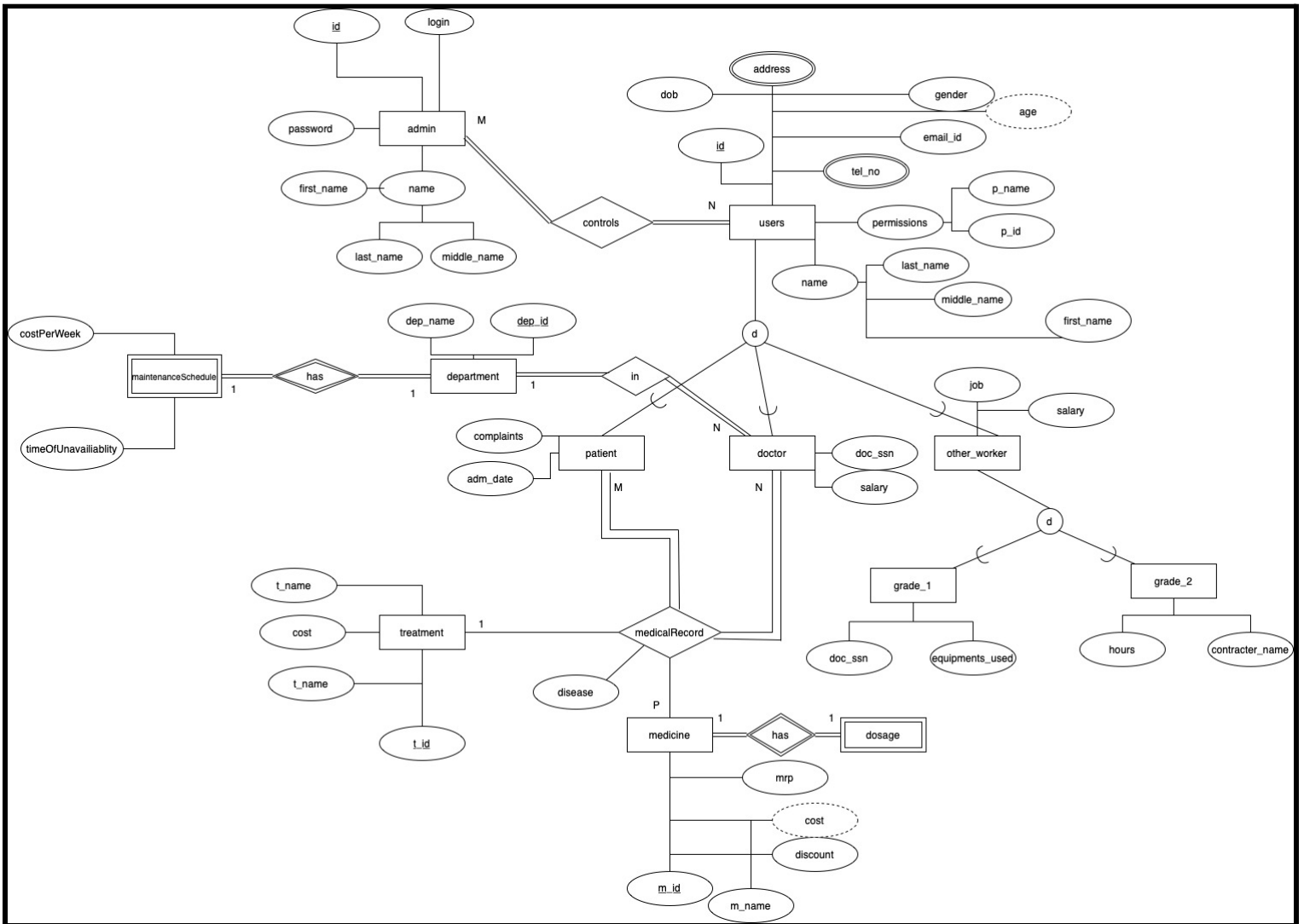
Team Floppy Disks

Devesh Marwah (2020115005), Hariharan Kalimuthu (2020115015) & Sudha Tanay Doddi (2020115010)

Modifications to the requirements doc:

- Elaborated on the specialisations :- Made both of them as distinct as patients can't overlap with doctors or other workers in the hospital. Similarly grade_1 and grade_2 workers under the entity other_workers cannot overlap.
- Changed the department attribute to an entity, and added a relationship from entity doctor to department. Doctor BELONGS TO department. (Total Participation of both entities, N:1 cardinality). Also Added : dep_id(varchar(30)) Primary key & dep_name ((varchar(40)) as attributes.
- In the relationship 'MedicalRecord', we've elaborated that there is partial participation from treatment and medicine and total participation from doctor and patient.
- Removed the multivalued attribute m_use under the treatment entity as it was redundant.

The final EER Diagram based on our requirements:



Link to the diagram:

https://drive.google.com/file/d/1rsm07DPWrtgj8DGDhtgsG1_cire0Bkny/view?usp=sharing