

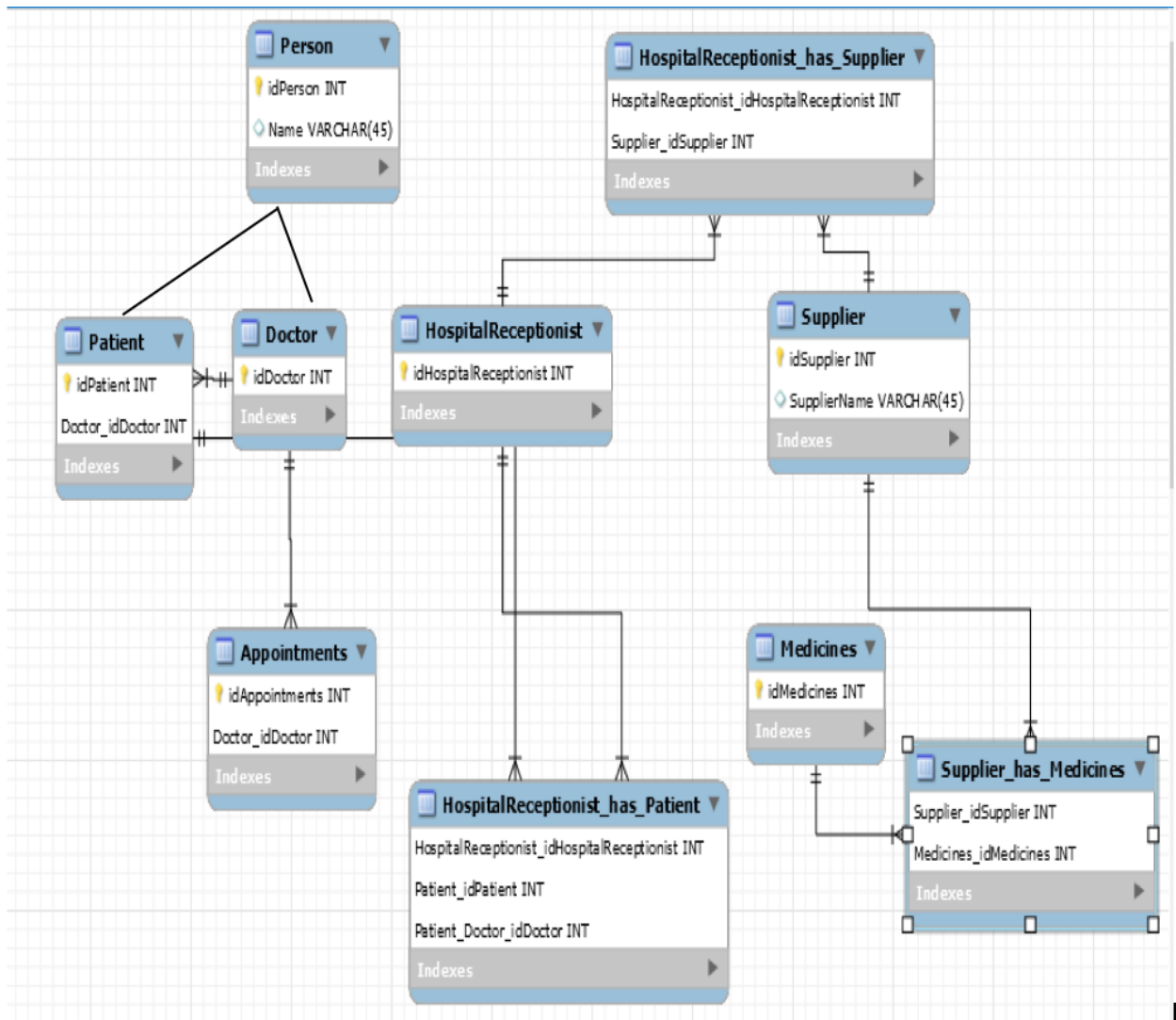
P2. Database Design and Initial ERD

OVERVIEW

Hospital management System is pleased to submit this proposal for services to support Hospitals in achieving its goals by improving the current manual data management department into a fully automated software that structures the entities into modules and normalizes the data flow between them, effectively tracking the medical record of the patients for scheduling medication and sessions.

INITIAL ERD DIAGRAM AND DATABASE DESIGN

1. By creating a database system for the hospital, we will have ability to store and maintain data in the appropriate tables and it will also allow faster data retrieval.
2. Storing patient historical records and current records will help us analyse patient history and current health condition.
3. Setting up list of suppliers will help us connecting supplier and medicines.
4. Doctor's availability will help us in scheduling appointments.
5. Normalizing and standardizing the data would help remove redundant and inconsistent data from the system.
6. So, following main entities that can be considered for high level ERD diagram and it also includes some associative entities listed in below ERD:
 - Patient
 - Doctor
 - Appointments
 - Medicines
 - Supplier
 - Hospital Receptionist



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