

Healthcare Management System

Brief Description of Changes:

The following updates were made to the initial ERD :

1. **Resolved Many-to-Many Relationships:** Many-to-many relationships like Doctor to Nurse were replaced with an associative entity called Treatment(attributes: TreatmentID, description, cost, AppointmentID, DoctorID)
2. **Normalization (3NF):** Multivalued and composite attributes were removed to convert the system to 3rd Normal Form, ensuring each attribute is atomic and non-redundant
3. **Primary and Foreign Keys:** Primary keys and foreign keys are assigned for each entity and relationships are defined while maintaining referential integrity
4. **Simplified Relationships:** All relationships are now one-to-one (1:1) or one-to-many (1)

