

## Relational Model

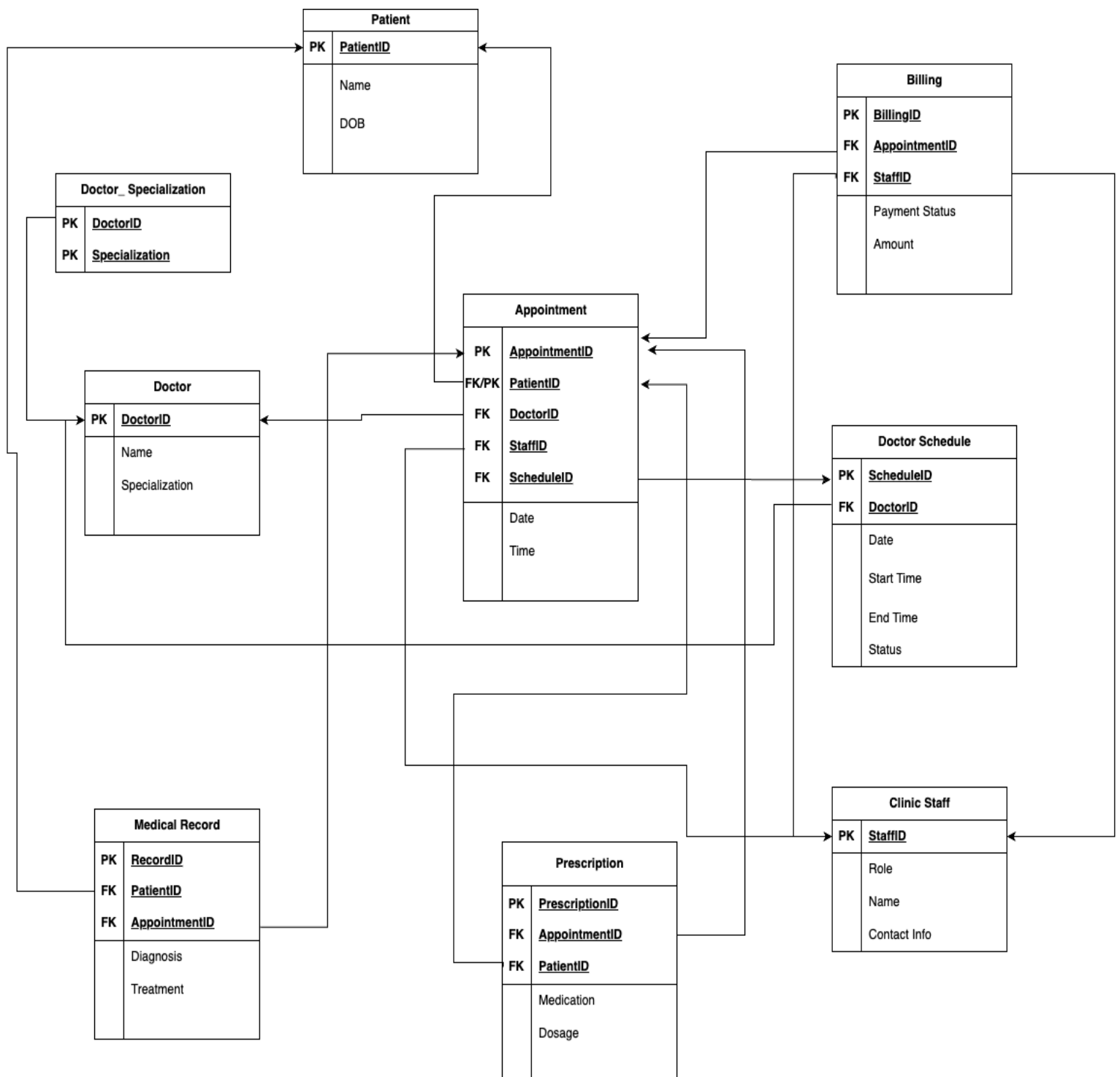
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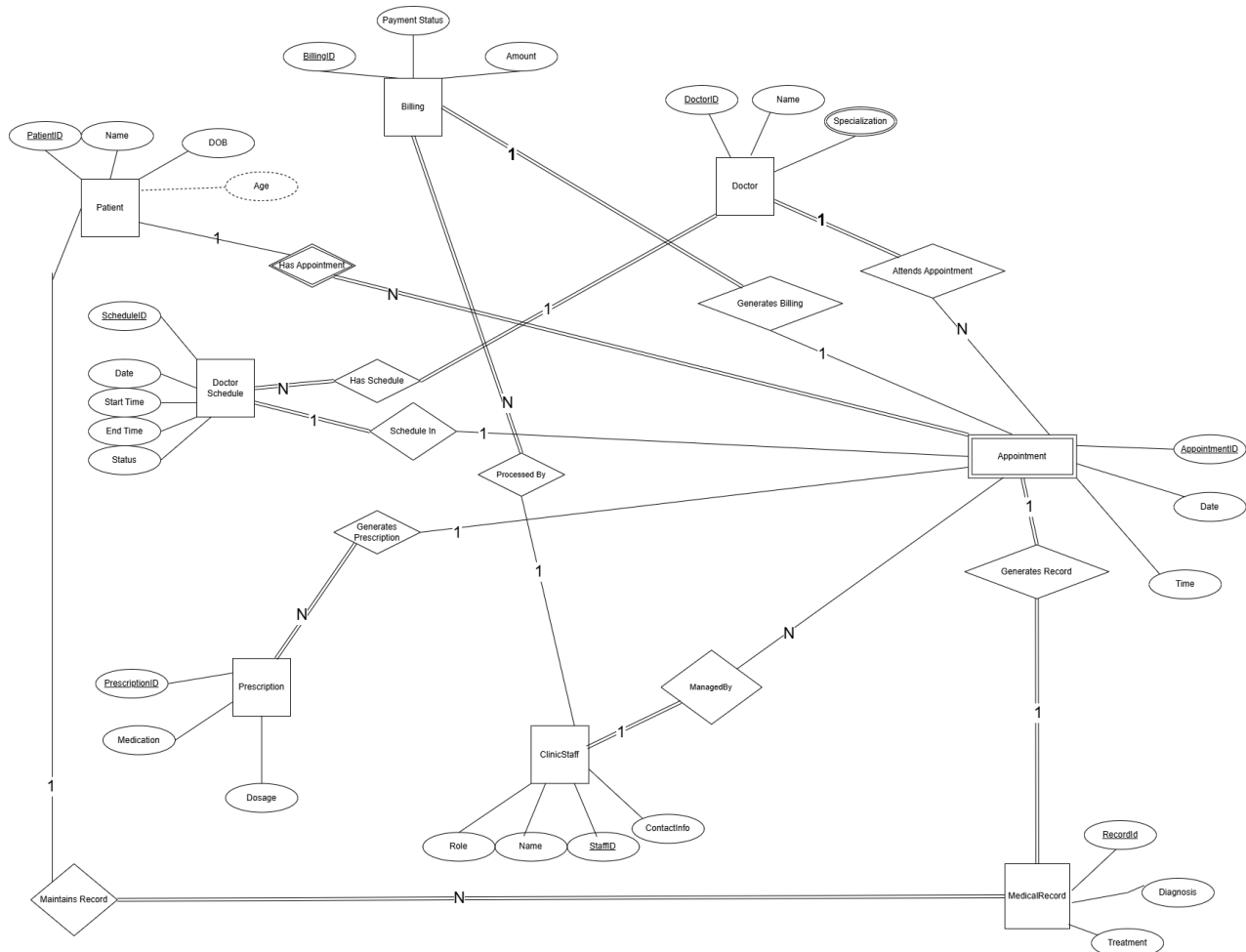
CPSC 471: Database Management System

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Below is the EERD Diagram for our model ( Fixed as per instructions received in the feedback )



## Summary of Design Assumptions

(The assumptions are the same as in previous submissions.)

### Weak Entity Designation:

- **Appointment** is designated as a weak entity. Although it has an AppointmentID, it is contextually dependent on the Patient who books the

appointment (and potentially the DoctorSchedule slot) for complete identification.

- **Integration of Clinical Operations:**

- The system integrates appointment scheduling, medical record keeping, prescription management, and billing, ensuring a comprehensive approach to clinic management.

- **Clear Role Separation:**

- Two distinct end-user roles are defined (Patients and Clinic Staff) to ensure appropriate access and operations management within the system.
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