A diagram of a company

Description automatically generated

Assumptions:

1. Each appointment is associated with a single patient and a single doctor.
2. Each payment is associated with a single appointment.
3. A patient can have multiple appointments, but only one diagnosis recorded by a doctor.
4. Each patient is either an Outpatient or an Admitted Patient but not both.

Entities and their attributes:

1. Doctor (doctor\_id, name, specialty, etc.)
2. Patient (patient\_id, name, contact\_number, etc.)
3. Appointment (appointment\_number, patient\_id, doctor\_id, location, time\_date, contact\_number)
4. Payment (payment\_id, appointment\_number, mode\_of\_payment)
5. Diagnosis (diagnosis\_id, appointment\_number, patient\_details, diagnosis\_text)
6. Nurse (nurse\_id, name, ward\_number)
7. Ward (ward\_number, name, floor)
8. Admitted Patient (admission\_id, patient\_id, ward\_number, room\_number)

Relationships:

1. Doctor - Appointment (1:M)
2. Patient - Appointment (1:M)
3. Patient - Diagnosis (1:1)
4. Appointment - Payment (1:1)
5. Admitted Patient - Nurse (1:1)
6. Nurse - Ward (M:1)
7. Admitted Patient - Ward (M:1)