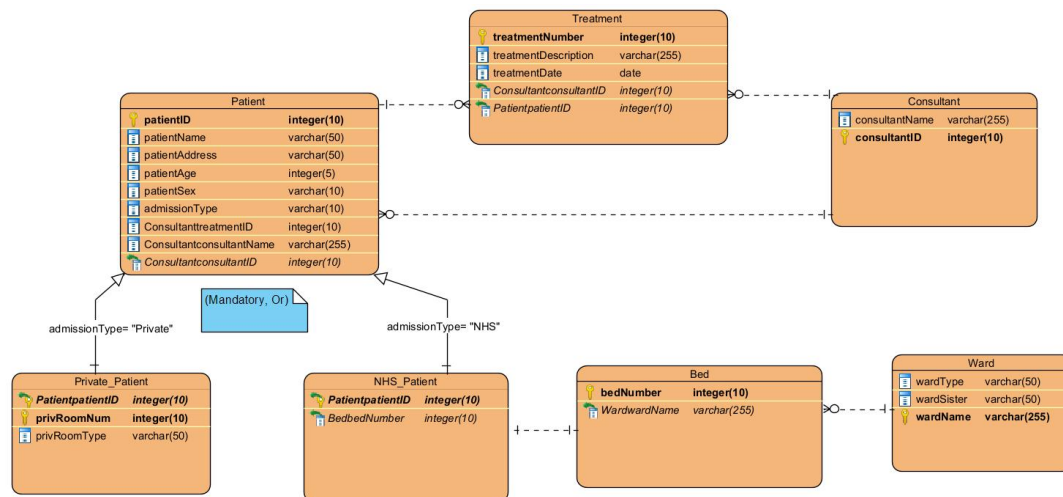All patients admitted to the hospital are given a unique patient number. The patient's name, address, age, and sex are recorded. Private patients are allocated a private room, identified by the room number. Private rooms are of different types, e.g., standard, deluxe, palatial, etc. NHS patients are allocated a bed in a ward, beds being identified by the ward name and bed number. Wards are of different types, e.g., pediatric, cancer, etc, with a named sister in charge of each one. Each patient is allocated to a named consultant who supervises the medical care of the patient. The consultant decides on the treatments to be given to the patient. A treatment is any medical procedure performed on the patient. Each treatment is given a unique treatment number, and a description of the treatment and the date it is performed are recorded.

Relational Model

Patient (patientID, patientName, patientAddress, patientAge, patientSex, admissionType, ConsultanttreatmentID, ConsultantconsultantName)
Foreign Key: ConsultanttreatmentID   References: Treatment(ConsultanttreatmentID)

Treatment (treatmentNumber, treatmentDescription, treatmentDate, ConsultantconsultantID, PatientpatientID)
Foreign Key: ConsulantconsultantID   References: Consulant(ConsulantconsultantID)

Consultant (consultantName, consultantID)

Private_Patient (PatientpatientID, privRoomNum, privRoomType)
Foreign Key: PatientpatientID   References: Patient (PatientpatientID)

NHS_Patient (PatientpatientID, BedbedNumber)
Foreign Key: PatientpatientID   References: Patient (PatientpatientID)

Bed (bedNumber, WardwardName)
Foreign Key: WardwardName   References: Ward (WardwardName)

Ward (wardType, wardSister, wardName)