Entity Relational diagram:

Patient
- Patient_ID — integer(10) U
- Name — varchar(20)
- Address — varchar(50)
- Age — integer(3)
- Sex — varchar(10)
- Consultant_ID — varchar(10)

Consultant
- Consultant_ID — varchar(10) U
- Name — integer(10)

Treatment
- Treatment_ID — varchar(10) U
- Description — varchar(255)
- Date_performed — date
- Consultant_ID — varchar(10)

Private patient
- Patient_ID — integer(10)
- Consultant_ID — varchar(10)

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NHS pateint
- Patient_ID — integer(10)
- Consultant_ID — varchar(10)
- Ward_ID — varchar(10)

Ward
- Ward_ID — varchar(10) U
- Type — varchar(10)

Sister
- Sister_ID — varchar(10) U
- name — varchar(20)
- Ward_ID — varchar(10)

Private room
- Private_room_ID — varchar(10)
- Patient_ID — integer(10)
- Consultant_ID — varchar(10)

Bed
- Ward_ID — varchar(10)
- Bed_ID — integer(10)
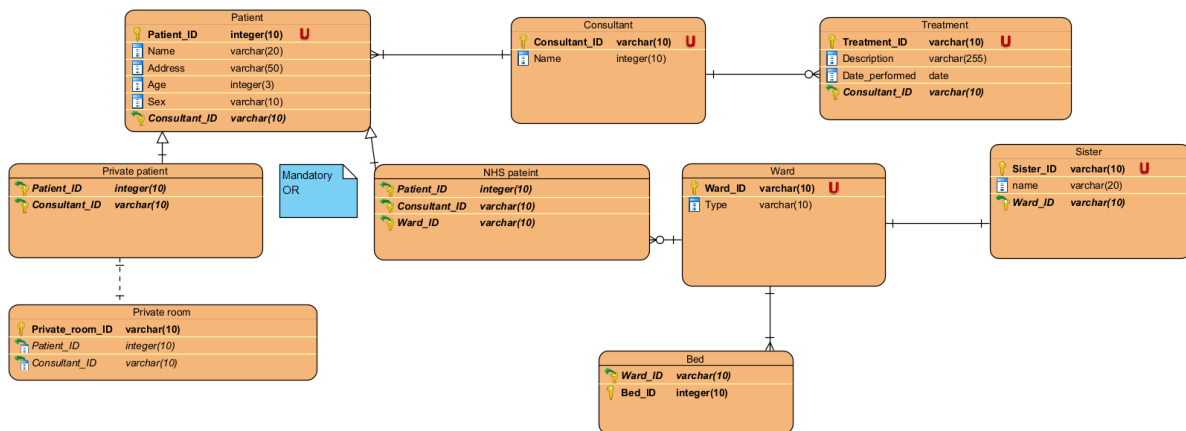
Relational Model:

Patient (**Patient_ID**, Name, Address, Age, Sex, **Consultant_ID**)

    Foreign Key Consultant_ID Referencing Consultant

Consultant (**Consultant_ID**, Name)

Treatment (**Treatment_ID**, Description, Date_performed, Consultant_ID)

    Foreign Key Consultant_ID Referencing Consultant

Ward (**Ward_ID**, Type)

Sister (**Sister_ID**, Name, Ward_ID)

    Foreign Key Ward_ID Referencing Ward

Bed (**Bed_ID**, Ward_ID)

    Foreign Key Ward_ID Referencing Ward

Private room (**Private_room_ID**, Patient_ID, Consultant_ID)

    Foreign Key Patient_ID Referencing Patient

    Foreign Key Consultant_ID Referencing Consultant