



## Assumptions

- There can be zero or more wards in hospital and also there must be at least one team in the hospital.
- Each doctor in hospital should be a part of a team therefore doctors cannot exist without a team.
- There can be only one consultant doctor in a team. But one consultant can lead one to many teams.
- Nurses cannot work in multiple wards.
- A patient can get treated by one doctor and that doctor can be part of many teams. Therefore one to many teams are responsible for a one patient.
- Patient record can get updated by one or more nurses and 1 more doctors can check it.
- There can be one to 20 nurses who can care for the patients and one nurse can care for 0 to many patient.
- Patients cannot be registered in multiple wards.
- Gender is taken as an enumeration. That Gender enumeration is used in Patient class and in Ward class. Patients are admitted into the ward according to their gender.
- The methods and attributes for each class can vary according to their true functionality.
- Visibility of the attributes can change according to the their functionality.