

Hospital, Doctors, and Patients (Association and Communication)

Class: Doctor

- Attributes:

- Name : string
- DoctorID : string
- Patients : List<Patient>

- Methods:

- Consult(patient : Patient)
- DisplayPatients()

Class: Patient

- Attributes:

- Name : string
- PatientID : string
- Doctors : List<Doctor>

- Methods:

- RequestConsultation(doctor : Doctor)
- DisplayDoctors()

Class: Hospital

- Attributes:

- Name : string
- Doctors : List<Doctor>
- Patients : List<Patient>

- Methods:

- AddDoctor(doctor : Doctor)
- AddPatient(patient : Patient)

Relationships:

- Association: Doctor ↔ Patient (many-to-many with communication)