



National University
Of Computer and Emerging Sciences

SDA

Assignment # 03

Case Study:

Hospital Management System

Group Members:

Subhan Khalid(p200086)

**Muhammad Taimoor
Hassan(p200603)**

Identify a possible set of classes/objects:

Classes:

Person

HMS

Reception

Patient

Doctor

Junior Doctor

Lab

Gender

Nurse

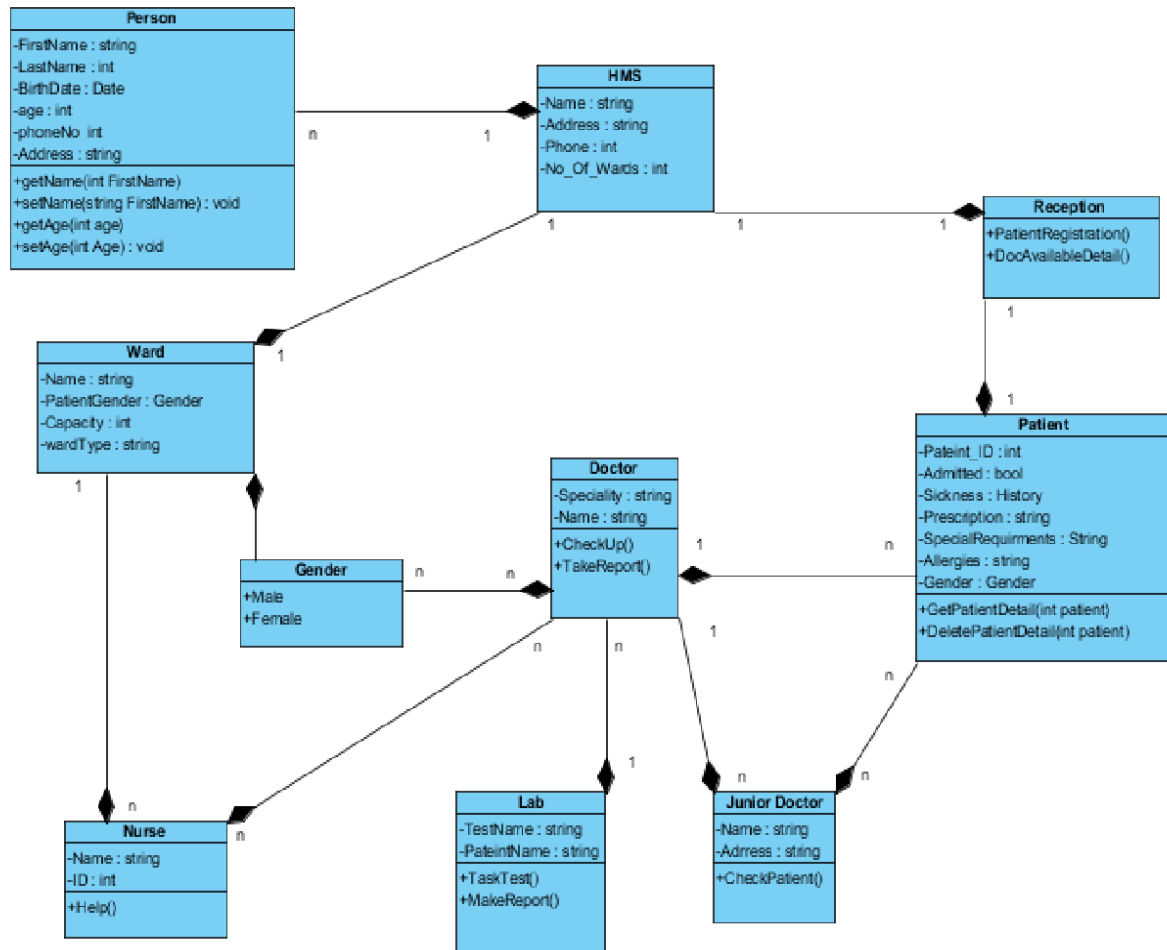
Ward

=>Attributes will in the class

Associations between the identified classes:

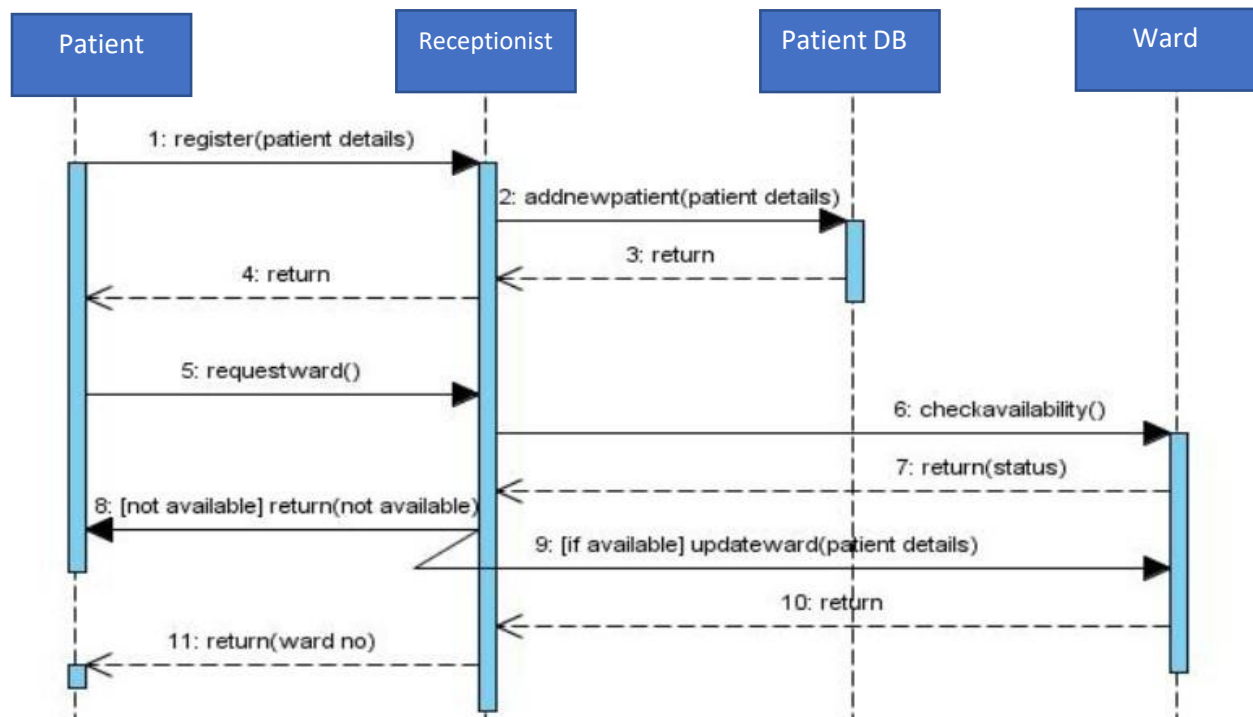
Associations Classes are interlinked with each other in a way, so that each patient gets all the facilities which are required of every patient. Firstly, a person come to hospital if he/she feel any sickness. Then he/she goes to Reception to register his name, once his information is entered then he is now a patient. He/she goes to the consultant doctor, Doctor checkup him/her. To take tests of a patient, the patient will be taken to the Lab for tests, and then after tests, the report is sent to the Consultant Doctor. If needed Consultant doctor call the junior doctor to checkup the Patient. After that the Patient will be go to ward for further treatment and will be entertained by Nurse.

Finalized class diagram:



Draw sequence diagram of any two use cases.

(1) Sequence Diagram for Patient Admit / Registration: -



(2) Sequence Diagram Test: -

