

Objectives :Identify correct relationships and draw class diagrams.

Draw the class classes with the correct UML notations to indicate the relationship/s among the classes. (You need not write attributes or methods of the class). Draw your solution on a piece of paper or type in a word document. Name your document with your ID number. Upload the document / scanned copy to the correct submission Link.

- 1) HotelRoom, Booking, Guest

A Hotel Room can have many bookings made. A guest can have one or bookings. Each booking can include details of multiple guests. There can be a hotel room without any Booking as well.

- 2) AcademicStaff, Lecturer, Professor, Student

A Lecturer is an AcademicStaff. A Professor is also an AcademicStaff. An Academic staff teaches many students. Also, a student is taught by many Academic Staff.

- 3) Exhibition, ArtWork, OilPainting, WaterColourPainting, Sculpture, Photograph.

An Exhibition, consists of multiple Art Work. OilPainting, WaterColourPainting, Sculpture, Photographs are examples of Art Work.

- 4) Prescription, Patient, Doctor, Appointment

A Patient can get many Appointments. A Doctor also will consult through many Appointments. The Doctor may give multiple prescriptions to the patient.

- 5) Cinema Complex, Film Hall, Seat, Booking, Filmgoer

A Cinema Complex may have multiple Film Halls. Each Film Hall has multiple Seats. A Filmgoer can make multiple Bookings. A Booking can be for multiple seats. Each Seat may be booked multiple times for different shows.