OOAD[J] Assignment -1 (Use Case Diagram) –Midterm

Due date: 9.10.2021

Instruction: solve any two case study and upload pdf and I will discuss about submission process in the class.

1. In a hotel management system a guest can rent rooms. Hotel receptionist uses the system to assist in the renting. A guest can also book a room for future renting with the help of the receptionist, but he has to check if the room has prior booking or not. A Guest pays for the rooms at the time they check out. He can pay by cash, check or credit card. Receptionists has to logon to the system before they can use it, but to logon he has go through username/password verification.
2. Any Ride sharing application (example: Uber/Pathao).
3. In a hospital management system a patient's medical history is created by a doctor. A patient may be referred by a doctor to be admitted in the hospital. A patient can rent hospital facilities. An administrative officer deals with the renting. The system automatically checks whether the patient is referred by a doctor before he can rent any hospital facility. The types of facilities are rooms, beds or ICUs. Admitted patients are regularly visited by doctors and a nurse updates patient medical history after each visit. A doctor writes the discharge note of the patient when he leaves which is also included in the patient's medical history. An account clerk prepares the bill. The bill is calculated from the elements written in the medical history, i.e. number of doctor's visit, prescribed medication, tests. When the nurse updates the medical history she writes either the date-time of doctor's visit or prescribed medication or test. The patient may pay by cash or card when the bill is prepared.