

Assignment 4

Please draw the class diagram from the following description

Assume that a system is developed for the booking of the rooms in a university.

- There are four kinds of rooms: classroom, lecture hall, activity and lab. All the rooms have a room no. Lecture halls, classrooms, and lab have a number of available seats while each activity room offers some services (e.g., stereo, beverage, coffee, and tea). The equipment and services can be inquired.
- Teacher can book any room while students can only book an activity room. When a student books a room, he should give the purpose and referee (i.e., the name of the teacher who supports the booking).
- A person can book at most three rooms at the same time.
- A teacher has a name, staff ID, office number, office phone number, and programme. Each student has a student name, student ID, mobile phone number and programme. All phone numbers can be updated.
- there are two kinds of labs: computer lab and chemistry lab. Each is equipped with equipments for lab practices.

