

OOAD [J] Assignment -2 (Class Diagram) –Midterm

Due date: 17.10.2021

Instruction: draw any two class diagram and upload pdf and I will discuss about submission process in the class.

1. A member can be of three types- potential member, past member and club member. Club members place orders. One order must include at least one product. One product can be in many orders. There are two types of products - club souvenirs and club facilities. Each member must sign an agreement. One agreement can be made for more than one member. Club facilities are courts, tables and halls. Courts are Badminton court and Tennis Court. Tables are for Tennis and Pool. Club members can also book club facilities. For each booking, date and duration of booking must be stored.
2. A nonprofit organization depends on a number of different types of persons for its successful operation. Three types of persons are of greatest interest: employees, volunteers, and donors. Employees and volunteers work on various projects. One project consists of many sections. A volunteer works under the supervision of an employee. To become a recognized donor, a donor must have donated one or more items, and an item may have no donors, or one or more donors. Projects are sponsored by sponsors. Sometimes a single project is sponsored by multiple sponsors.
3. **One Student** may attend **any number of courses**. One course may have any number of students. Instructors teach courses. For every course there is at least one instructor. Every instructor may teach zero or more courses. A school has zero or more students. Each student may be a registered member of one or more school. A school has one or more departments. Each department belongs to exactly one school. Every instructor is assigned to one or more departments. Each department has one or more instructors. For every department there is exactly one instructor acting as the department chair.