**Activity - Draw class diagrams for the following scenarios:**

Q1) In a hospital there are a number of wards each of which may be empty or have on them one or more patients. Each ward has a unique name.

Q2) Doctors in a hospital are organized into teams, each of which has a unique team code. Each team is headed by a consultant doctor who is the only consultant doctor in the team. The rest are all junior doctors. Each doctor is in exactly one team. Each patient is under the care of a single team of doctors. The consultant who heads that team is responsible for the patient. A patient may be treated by any number of doctors but they must all be in the team that cares for the patient. A doctor can treat any number of patients. The data recorded for patients include their name, address and date of birth. The attributes of doctor include their name, address and grade

Q3) An organization maintains a record for each of its employees. The employee details include their (unique) employment number, their name, age, gender and salary. A system is required to hire new employees and to produce the following reports:

1. the complete staff list
2. a list of those staff for a given gender
3. a list of staff over a certain age
4. the total wage bill for the company

Q4) A library has a name, holds a number of books each of which has a title, author and unique catalogue number. There are registered borrowers each with a unique name. A borrower may borrow a book and return it.

-------------------------------------- The End ☺---------------------