**Class Activity**

**Question 1**

Doctroid is the hospital management system that is mainly handled by receptionist of the hospital. Listed below are the functional requirements of the system.

1. A receptionist shall register the patient in the system.
2. While scheduling the appointment receptionist has to either select a general physician or a specialist. Both appointments are done in different ways.
3. A receptionist shall admit a patient in hospital. A patient can be admitted in hospital in exactly two different ways: either for simple outdoor patient services or for in-hospital services. A bed is allocated to the patient when he/she is admitted for in-hospital services. Allocation of bed is only being done if free bed is available in the ward. There are multiple wards in the hospital; if bed is not available in one ward; system shall check for the free bed in other wards and allocate the bed to the patient.
4. Keeping in mind the security situation, it is compulsory for the receptionist to enter the bio-data of each and every patient and care-taker in the system when patient is admitted for in hospital services.
5. Doctor can view the patient previous history for better diagnosis of the disease and prepare the prescription but specialist can also refer for some tests.
6. The receptionist shall take print out of the prescription and give it to the patient.
7. Patient shall give cash to the receptionist and receptionist shall enter the cash info in the system and make patients’ status as “clear”.

Draw the **use-case diagram** of Doctroid.