

## **Mini Project Report**

on

### **HOSPITAL MANAGEMENT SYSTEM**

Submitted by

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#### **1: Brief Description of the project**

##### **Objectives:**

Hospital management system is important for helping hospitals optimize the overseeing of operations. It allows healthcare practices to be structured better and makes delivery of services smooth and effective. Maintaining records of patients can be tedious, but having an efficient management system can reduce a lot of these burdens.

##### **Description:**

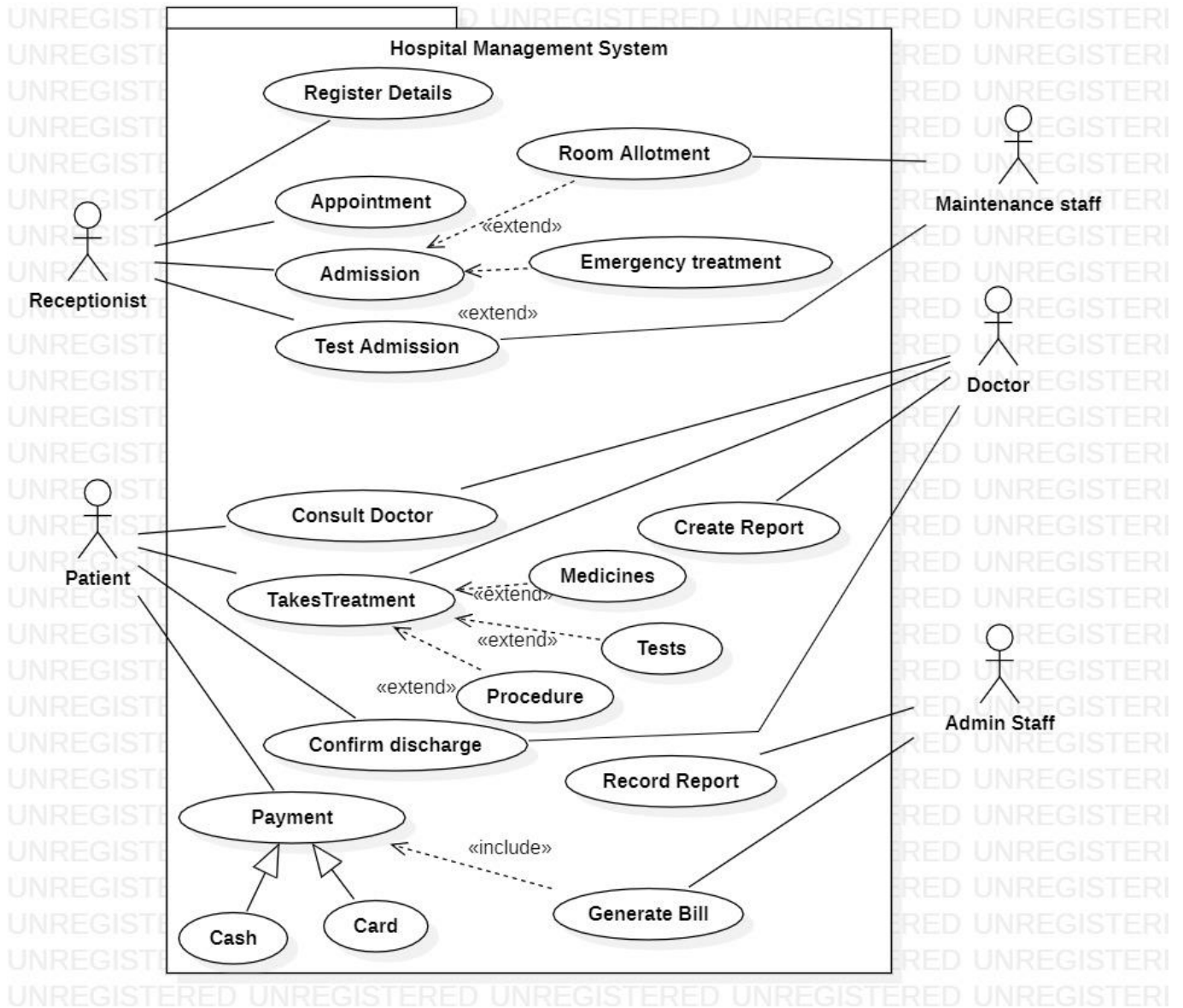
- The system aids the hospital staff in maintaining employee and patient records, and checking details pertaining to patient treatments (for ex: Room availability and allotment, doctors present).
- Patients can book an appointment or go to the hospital directly, and once their treatment is complete a bill is generated, and they make payment in their preferred way.
- Admin staff are mostly responsible for a number of required processes, which mostly involve recording info, providing required resources and also the transaction process.
- Maintenance staff takes care of all required equipments and resources that a patient needs or uses.
- Doctor first holds a consultation session, then suggests treatment accordingly, which includes both prescribing medicines or recommending required procedures to be followed.

Note: Procedure can refer to one out of a wide array of options, ranging from something as simple as injections to ones as critical as major surgeries, depending on the patient's condition.

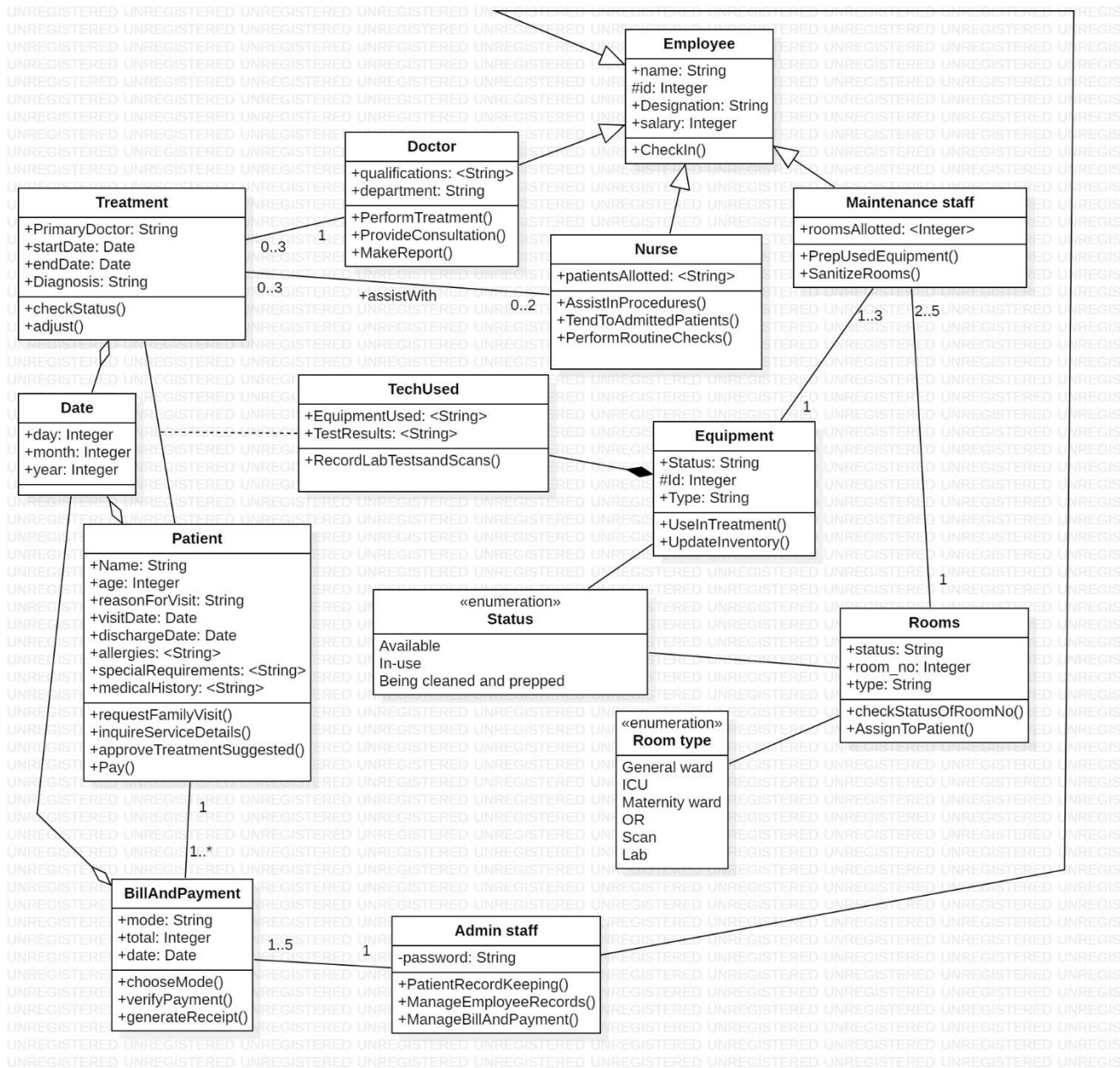
##### **Functionality:**

- Keeps a record of patients, their transactions and their reports.
- Documents the involvement of doctors and nurses in treatments.
- Assists in notifying maintenance staff to check everything before a specific treatment begins.
- Maintenance of records of the rooms being booked, hospital resources, etc.

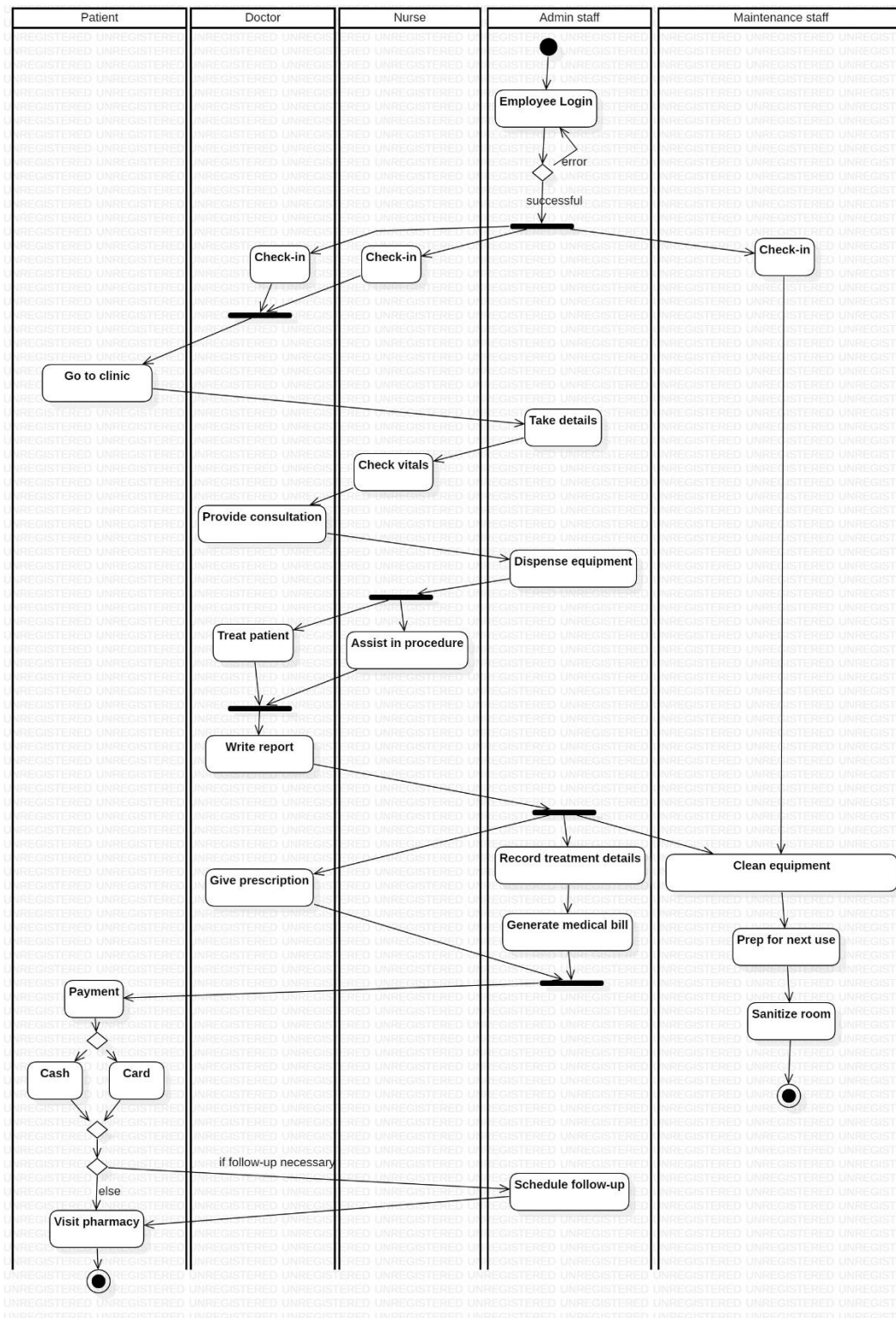
## 2: Use Case diagram:



## 3: Class Diagram:

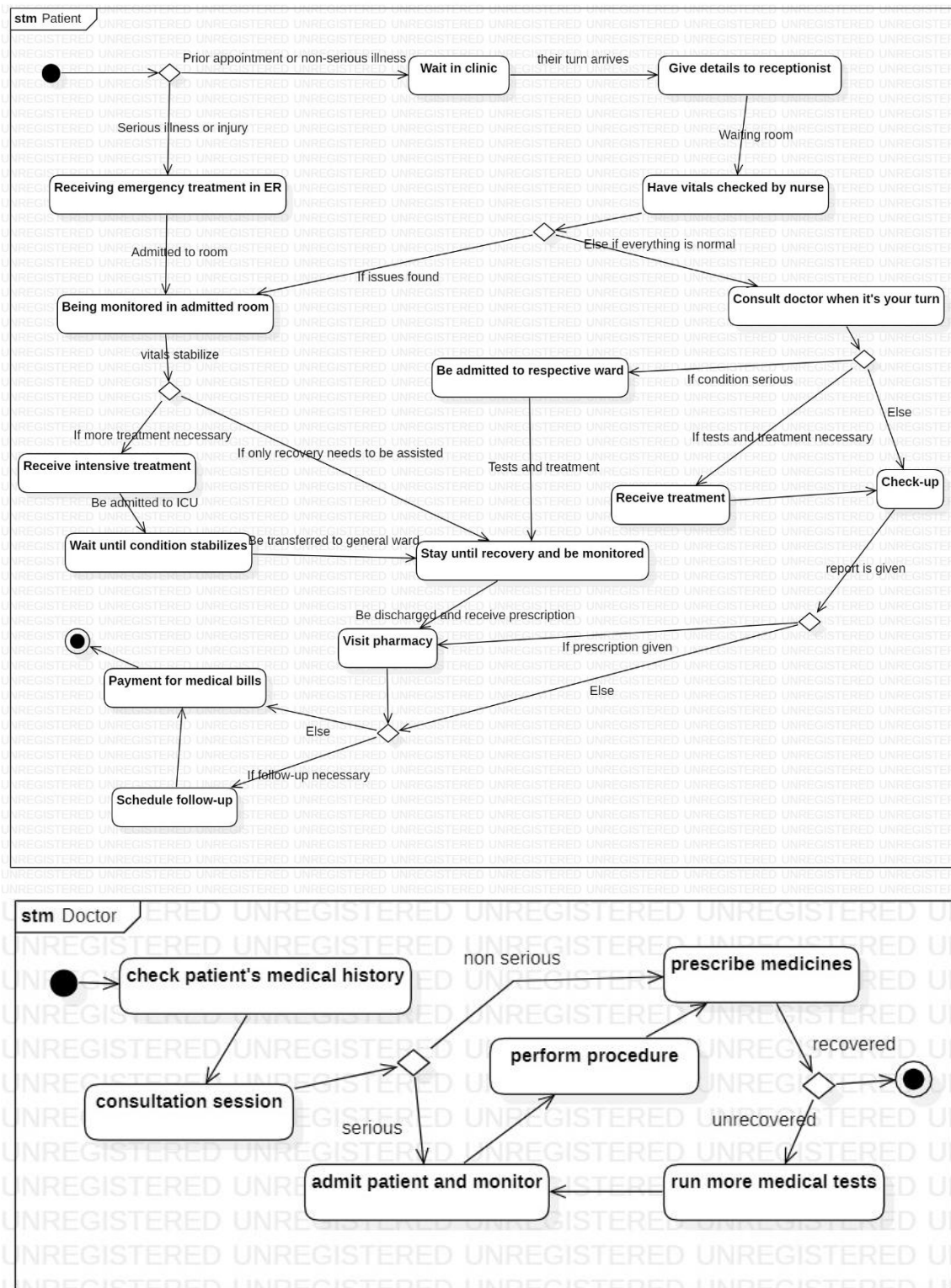


## 4: Activity Diagram:





## 5: State Diagrams of Patient and Doctor



**Division of work among team members:**

**P Shreya**      Class diagram  
                    Activity diagram  
                    State diagram for patient

**P.Sathwika**    Synopsis  
                    Use Case diagram  
                    State diagram for doctor