Software Requirements Specification

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1. Objective and Scope

This software manage all information about patient name, patient address, doctor information staff information, patient report etc... it also store daily information of patient Which is done by doctor. Also store information about billing, finally it calculate total bill of patient.

The scope of the product includes the following basic features:

- The Proposed Software Product is the Hospital Management System (HMS). The System will be used to get the information from the

patient and then storing tha data for the future usage.

- The current system in use is a paper-based system. It is too slow and cannot provide updated lists of patients.
- The intensions of the system are to reduce over time pay and increase the number of patients that can be treated accurately.
- It is also used for booking an appointment.

2. EXIXTING SYSTEM:

- The current system in use is a paper-based system.
- It is too slow and cannot provide updated lists of patients.

3. PROPOSED SYSTEM

3.1 PURPOSE

- The Proposed Software Product is the Hospital Management System (HMS). The System will be used to get the information from the patient and then storing the data for the future usage.
- The intentions of the system are to reduce over-time pay and increase the number of patients that can be treated accurately.

4. MODULE DESCRIPTION

4.1 Add and Edit Patients Details

The HMS shall allow front-desk staff to add new patients to the system.

The administrative staff in the ward shall be allowed to delete the ID of the patient from the system when the patient checks out

4.2 Assign id

The HMS shall allow front-desk staff to give each patient a ID and add it to the patient's record. This ID shall be used by the patient throughout his/her stay in hospital

4.3 Booking For Appointment

The HMS is also used for booking an appointment for the treatment from the home itself.

4.4 Patient Reports

The Hospital Management System is generate reports about the patient’s name, bed number and doctor’s name which was assigned.

4.5 Payment

The user have a possibility to pay a fees in various mode (through Credit/ debit cards**,** through net or mobile banking it will automatically updated in the system.

5. FUNCTIONAL REQUIREMENTS

5.1 Registration:

When a patient is admitted, the front-desk staff checks to see if the patient is already registered with the hospital. If he is, his/her Personal Health Number (PHN) is entered into the computer. Otherwise a new Personal Health Number is given to this patient The patients information such as date of birth, address and telephone number is also entered into computer system,

5.2 Patient check out:

If a patient checks out, the administrative staff shall delete his PHN from the system and the just evacuated bed is included in available-beds list.

6. NON-FUNCTIONAL REQUIREMENTES

6.1 Performance

6.1.1 Response Time:

The system shall give responses in second after checking the patients information.

6.1.2 Capacity:

The System must support 1000 people at a time.

6.1.3 User-interface:

The user-interface screen shall respond within 5 seconds.

6.1.4 Conformity:

The systems must conform to the Microsoft Accessibility

6.2 Security

6.2.1 Patient Identification:

The system requires the patient to identify himself/herself using PHN

6.2.2 Login ID:

Any user who uses the system shall have a Logon ID and Password.

6.2.3 Modification

Any modification (inert, delete, update) for the Database shall be synchronized and only by the administrator in the ward.

6.2.4 Administrator's Rights:

Administrators shall be able to view and modify all information in HPIMS.

6.3 Availability

The system shall be available all the time.

6.4 Safety

Humans are error-prone, but the negative effects of common errors should be limited. Eg users should realize that a given command will delete data, and be asked to confirm their intent or have the option to undo

6.5 Software Quality

Good quality of the framework = produces robust, bug free software which contains all necessary requirements Customer satisfaction.

6.6 Reusability

Is part of the code going to be used elsewhere produces simple and independent code modules that can be reused

6.7 Maintainability

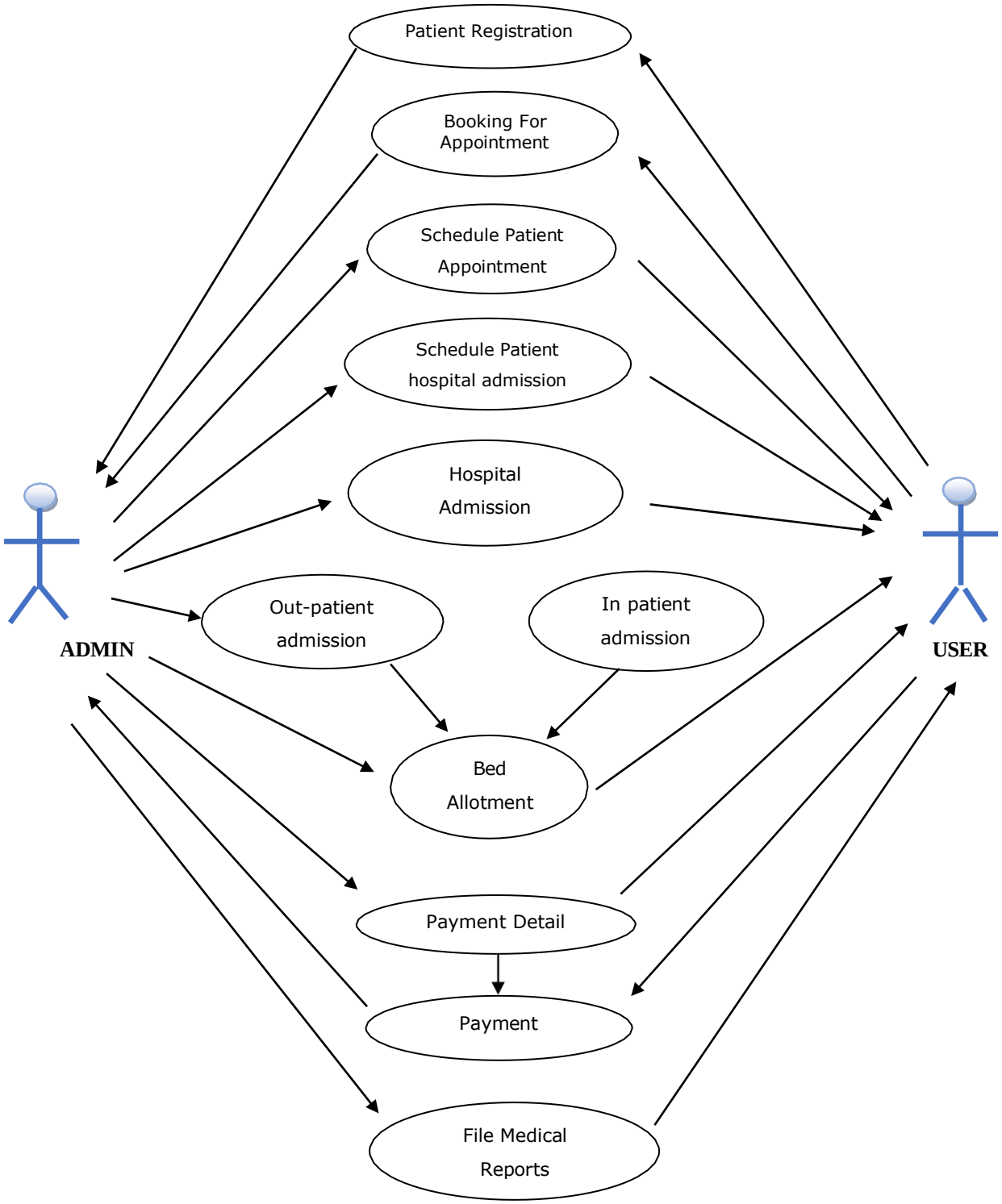
6.7.1 Back Up

The system shall provide the capability to back-up the Duta.

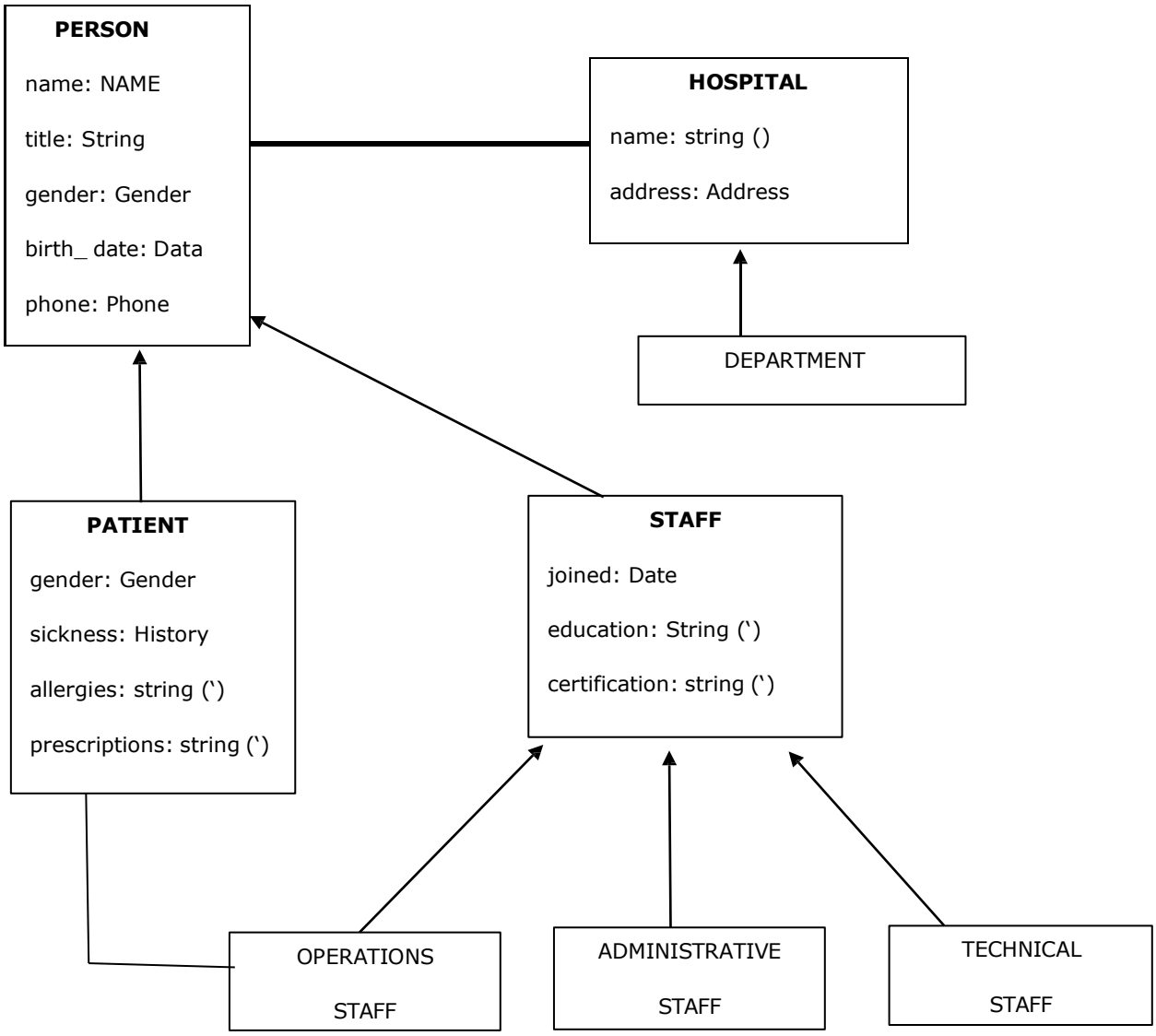
6.7.2 Errors

The system shall keep a log of all the errors.

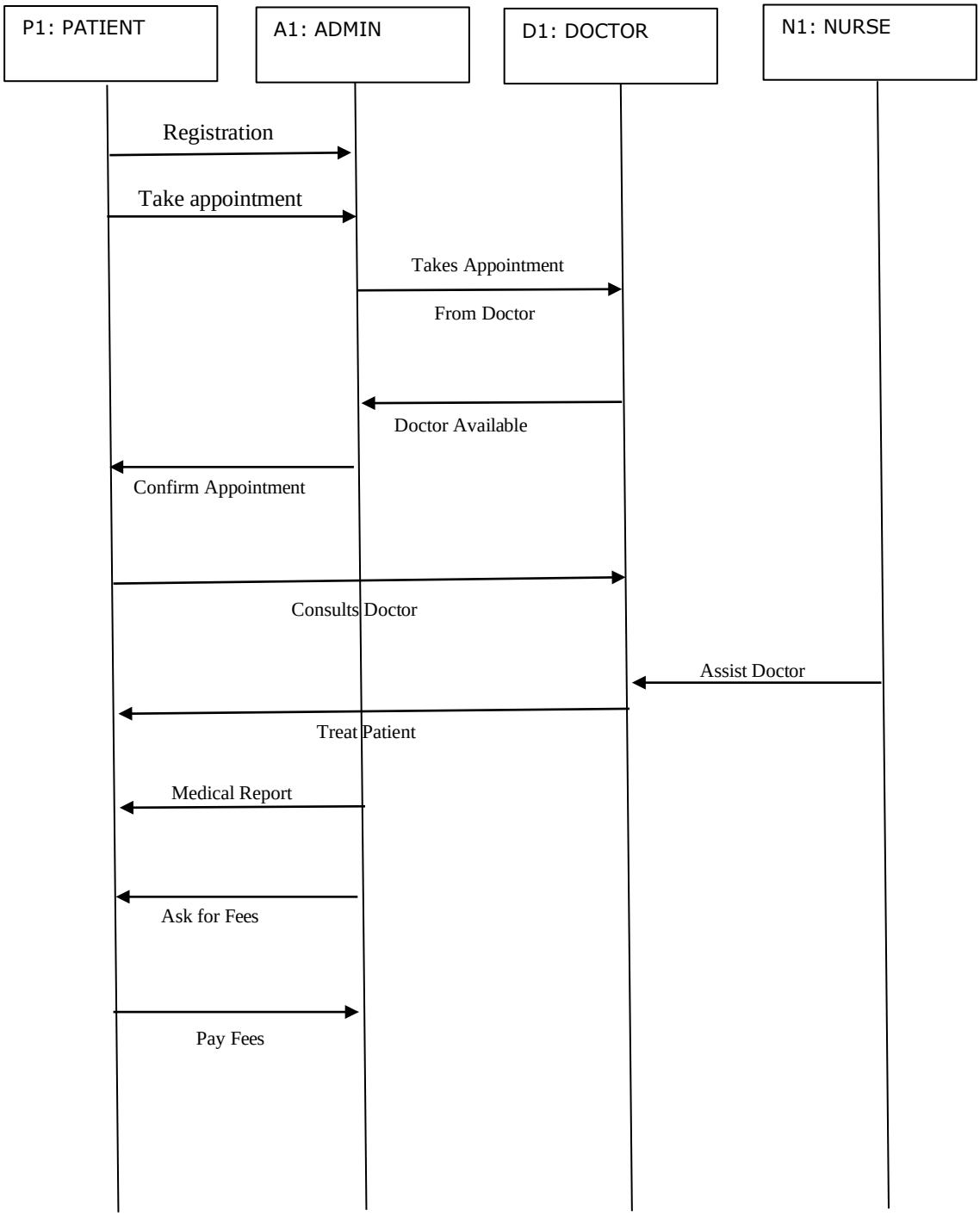
7. Use Case Diagram



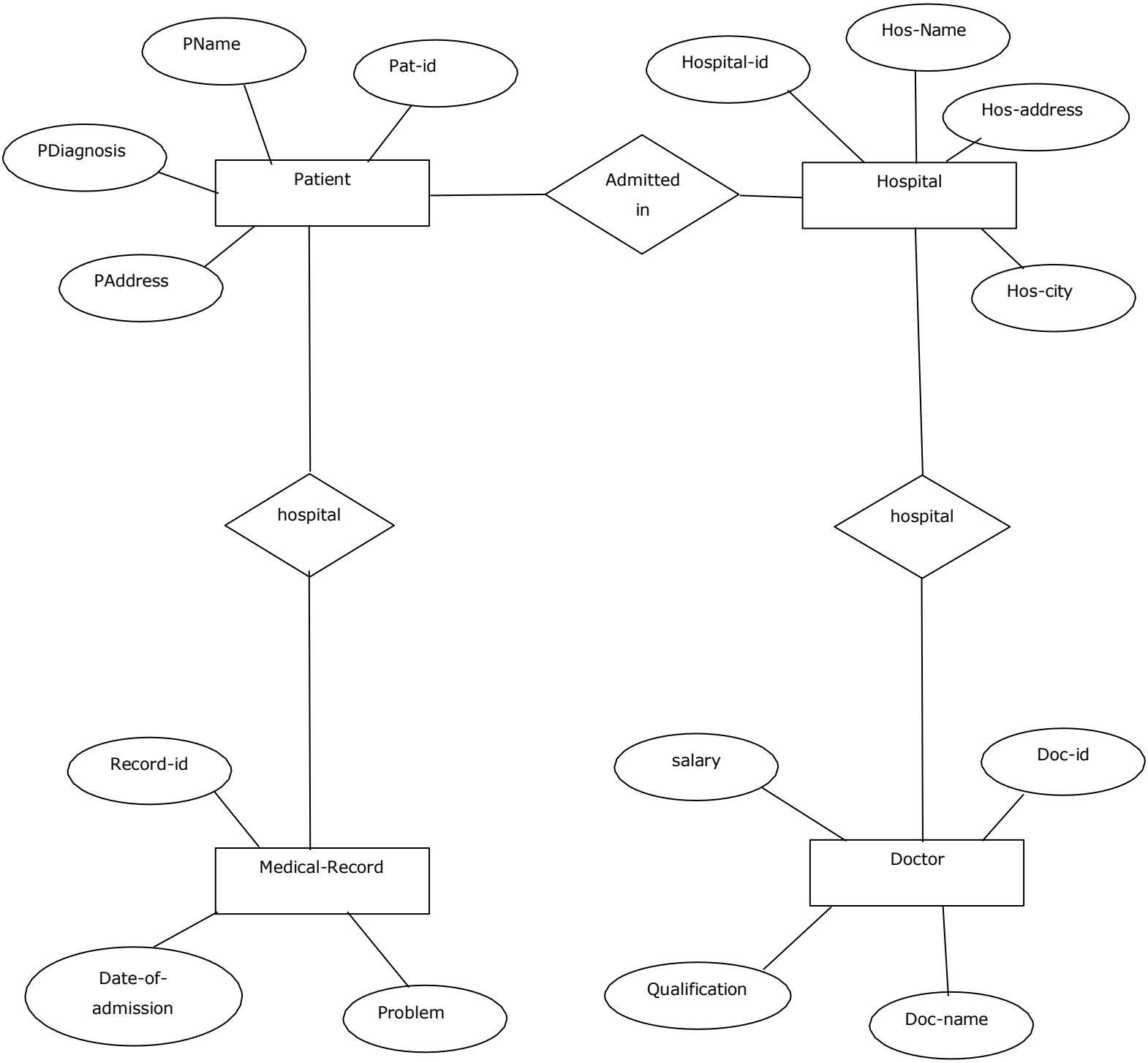
8. Class Diagram



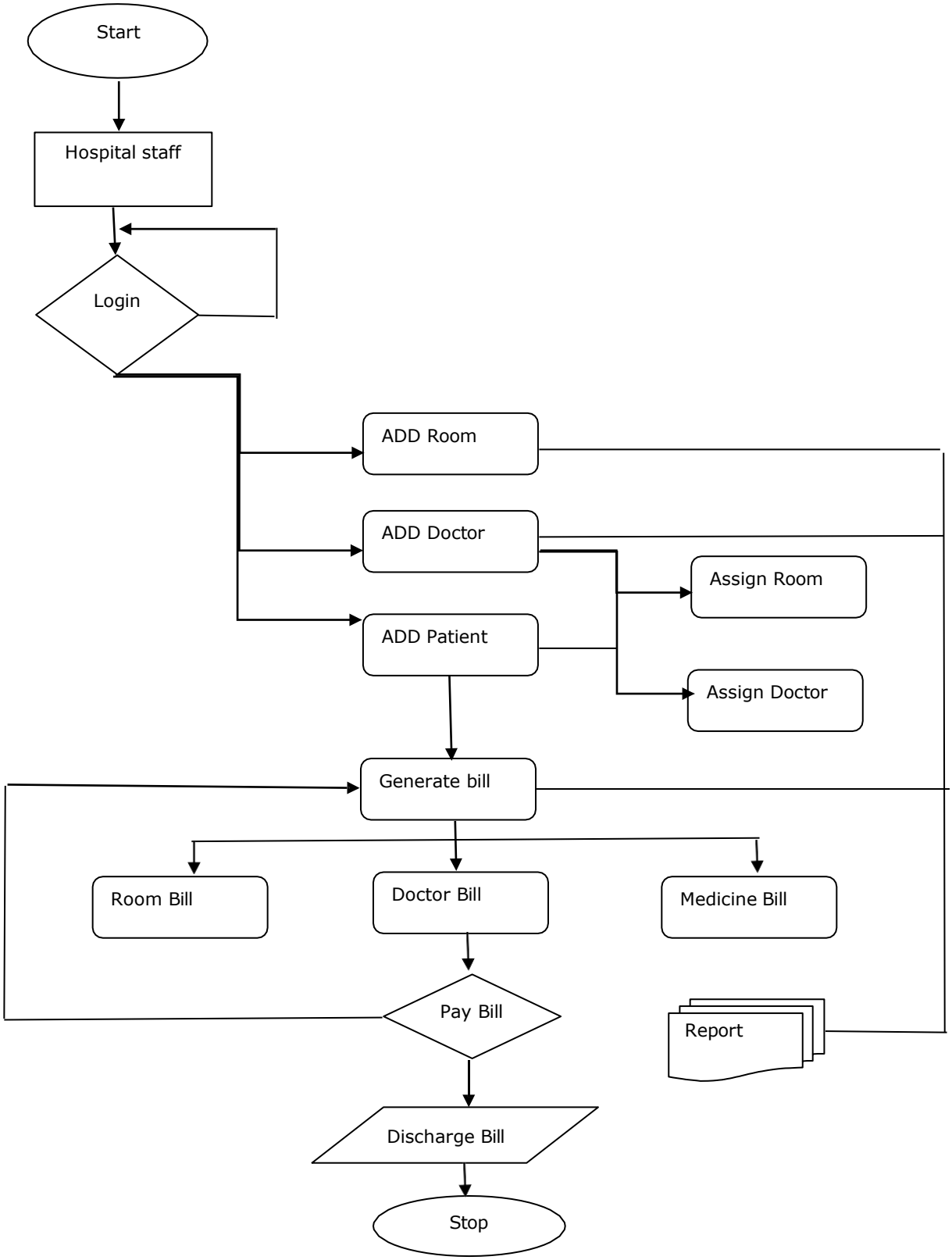
9. SEQUENCE DIAGRAM



10. ER Diagram



11. Flow Chart



12. Conclusion

This SRS Document is used to give details Regarding Hospital Management System. In this all the functional and non-functional Requirements are specified in order to get a clear-cut idea to develop a Project