**Final Project: Hospital Management System**

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Platform: NetBeans IDE

The Java Swing Framework is the application's basis. Utilization Purposes:

1.Our hospital management system provides a platform for individuals to receive medical treatment, register themselves, and receive assistance in times of need.

2. The system is managed by a hospital administrator who oversees the registration of doctors, nurses, and receptionists.

3.Patients can easily register themselves and choose a convenient appointment time by reviewing the doctor's schedule.

4.Receptionist confirms the appointment time with the patient through an email service where the patient is notified of the time of appointment.

5.Before the appointment, a nurse will take vital signs

6. The doctor will then examine the patient and prescribe any necessary tests and medications.

7.The pharmacist is responsible for maintaining the inventory of medicines, restocking medicines, and dispensing them to patients as prescribed by the doctor.

8.The lab technician is responsible for adding tests that can be performed, performing tests on patients, and updating the test results that can be accessed by both the doctor and the patient. 9.Additionally, patients can choose an insurance plan to receive discounts on medical bills. The insurance agent will review the enrollment request and either accept or reject it.

10. Overall, our hospital management system offers a variety of medical services and features. Our system is designed to improve the efficiency and effectiveness of healthcare delivery by streamlining processes and reducing administrative burdens.

Key features of hospital management systems include electronic medical records, patient registration and scheduling, billing and claims management, inventory and supply chain management, and analytics and reporting.

Contributions:

We have divided 4 enterprises (Hospital, pharmacy, lab, insurance company) among ourselves

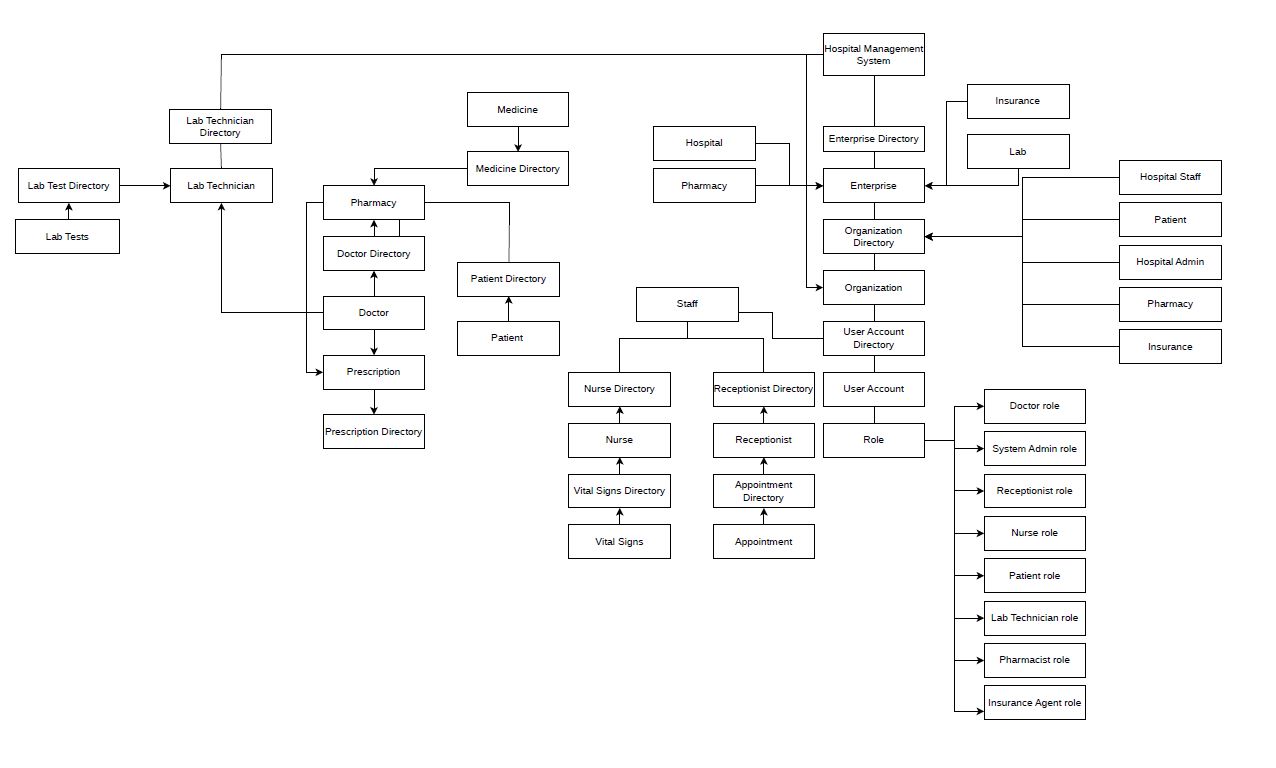
Mrudula : Hospital Enterprise Functionalities, 2 Charts, Pharmacy Enterprise,

Divya: Insurance Enterprise, Email Feature, One chart, Insurance Admin, Validation and Null Checks, UI Design, Hospital Admin

Thranathi: Lab Enterprise, Pharmacy Enterprise, CRUD Operations by Pharmacy Admin, Lab Admin, Documentation and Diagram

and collaborated on the cross- work requests to complete the project.

**Architecture Model:**



Class Diagram:

