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**North South University**

Department of Electrical and Computer Engineering

**Lab Project Proposal**

Semester : NSU Spring 2023

Course Code : CSE 215L

Section : 16

Group Name : E

Faculty : Dr. Shamim Al Mamun (SAM3)

Lab Instructor : A. S. M. Sabiqul Hassan

Project Topic : Hospital Management System

GitHub Repo Link : <https://github.com/saikotme/HMS>

Proposal Deadline : 11/05/2023

| Student Information | GitHub Account Links |
| --- | --- |
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**Project Description:**

The hospital management system will allow administrators, doctors, and patients to perform various functions related to hospital management.

The system will be developed using Java programming language and Java Swing library for the graphical user interface.

The system will not use any database and only use files to store data.

**Enlisted Operations:**

User Login

* Patients can create an account
* Patients can edit their account information.
* Admin can create patient/employee accounts
* Admin can edit/delete/search patient/employee accounts

Patient Panel

* Patients can book doctor’s appointments.
* Patients can Buy medicine.
* Patients can purchase diagnostic test services.
* Patients can see their expenses.

Employee Panel

* Doctors can see their patients' appointments.
* Doctors can document their patients.
* Employees can see their tasks.

Admin Panel

* Admin can track Medicine Expenses.
* Admin can track Doctor’s Earnings.
* Admin can Track Diagnosis Tests Earnings.
* Admin can Track Hospital Services Expenses.
* Admin can track overall revenue.