**cs 1002L**

# Object Oriented Programming Lab

**HOSPITAL MANAGEMENT SYSTEM**

**Project Report By**

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# Introduction

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| --- | --- |
| Hospital Management System is a process of implementing all the activities of the hospital in a computerized automated way to fasten the performance. Along with the typical options of a hospital management system such as adding or editing doctors, staffs, patients, it also features options such as to request COVID lab test or access its lab reports. You will also be able to schedule your vaccine shot appointment if your age group qualifies.   |  | | --- | |  | |

# Scope

This hospital management system aim is to reduce the time as much as possible taken by the administration of hospital in recording data. It features simple options which makes recording any data easy whether it be admitting a new patient or updating their information or even diagnosing a potential viral infection. After adding data on a specific field its also updated to a data base.

# Module Description

When the application starts you are greeted with a splash screen which transitions to a login panel, since this is an admin only\* controlled management system so its not available to public. After logging in successfully, you can either add, update, or view a patient record.  
Similarly in the “doctors’ module” you can add, update, or view the doctor’s record. The Service button just lists the service provided by this hospital.  
The Covid section features a Covid19 test or booking a vaccination appointment. Every form is connected to an individual database so to avoid overwriting in a file. Files can be found in programs “main” folder.

# Hardware/Software Requirements

**Hardware Requirements:**   
**Operating System (OS):**

Windows 7, Windows XP, Windows Vista (Windows XP Professional SP3/Vista SP1/Windows 7 Professional)

**Processor (CPU):**

Intel Core i5 (Intel Core i5 or equivalent)

**RAM:**

2 GB, 4 GB (2 GB (32-bit), 4 GB (64-bit))

**Free Hard Disk Space (HDD Space):**

1.5 GB HDD

**Video Card (GPU):**

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**Display (Screen Resolution):**

1024 x 728

**Software Requirements:**  
Apache NetBeans IDE12.3  
JDK 15.0.2

# Screen Shots

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated with low confidence  
Graphical user interface

Description automatically generatedGraphical user interface

Description automatically generated with medium confidenceGraphical user interface

Description automatically generated

# 6. Architecture Diagram

Diagram

Description automatically generated