Hospital Management System

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Contents

[Task Description 3](#_Toc463680804)

[System Specifications 3](#_Toc463680805)

[ GUI Design and screen flow 3](#_Toc463680806)

[ Data Source for the system 4](#_Toc463680807)

[ Program Features: 4](#_Toc463680808)

[ Help Function for the program 4](#_Toc463680809)

[ Hardware and Software Requirements 4](#_Toc463680810)

# Task Description

This project is a hospital administration system.

This project is designed to create a management and admin system for better management of patients and to reduce human error, by reducing paper records and centralizing patient information.

It will also make patient information more confidential while making non sensitive information more readily available for doctors allowing faster diagnosis and easier management. Patients will be able to securely and easily input information

It will contain patient entered or alternatively doctor/receptionist entered information with a specific ID number relating to each patient and doctor. Patients will have a password that will allow them to access and change some of their specific information and view their previous medical records.

It will further streamline processing and handling of patients as well as patient control and receiving vital information in the case of accidents and emergencies where the patient is unable to mention blood type, allergens or any specific medical conditions.

# System Specifications

## Specification of Program Functions

### Step by Step Functions

The program shows you a login screen

## Graphical User Interface Design

### Colour and look

The main two colours to fit the hospital theme is Red background and components with white text displayed on top. The buttons will be grey(in default net beans scheme) with the text boxes being white with black text.

### Screens

The flow diagram does not have to be perfect but must give a feel of how the program will run.

### Flow Chart- sequence of screens

## **Data Source for the system**

Explain tables and fields  
Show relationships

## **Program Features:**

* + Username and Password to log onto the system
  + Basic and more in-depth medical data and records stored and protected behind a form of authentication
  + Method to input and edit inputted data.
  + Ability to find vital and critical information in the case of emergency
  + RESULTS:
    - Lists vital and important information relating to a patient’s medical information.
    - Allows doctors to see specific information.

## Help Function for the program

* + Types of help
  + How to store help
  + Search for help on topics – maybe use a database and SQL?
  + Wizards
  + Default values

# Hardware and Software Requirements

### Hardware:

**Minimum requirements:**

* Operating system: Windows 7/10
* RAM 1GB or more
* Free memory 150 MB or more
* CPU Intel Pentium or higher
* Other

### Software:

* Windows 7/10
* JAVA JDK 1.8 or higher
* Netbeans 8.1
* MS Access 2007 or 2010
* UCanAccess Plugin