Hospital management system

MINI PROJECT BY
RAJ VARDHAN SINGH
B.Tech. (C.S.E.)
2nd Year

CONTENT

INTRODUCTION

- Hospital Management system is a Basic C programming language Implemented project, that is designed to simplify the cumbersome process of hospital record management.
- It primarily works on concepts of File Handling, Structure and switch conditional statements.
- It is composed of 5 Modules, each module is a function itself that is called under switch statement.

OBJECTIVES

- To simplify the process of storing the data related to the hospital.
- To provide an organized way of storing and managing the information of the hospitals.
- This new system will reduce the time of admission of patients to a large extent as compared to the older system.
- Managing the work of doctors and will help in getting a full record of the patient.

WORKING

1. Open a file/create a new file
2. Input data through structure
3. Store data into the file and close the file

S/W Requirement

T/P	MINIMUM	MAXIMUM
OS	• Windows 8 (32 bits), ubuntu, linux.	• Microsoft Windows 10, Windows 11.
Storage	• FAT File System	• NTFS File System
Compiler	• Turbo C for windows 7.	• Turbo C for windows 10,11, Dev c/c++, and other compilers.

H/W Requirement

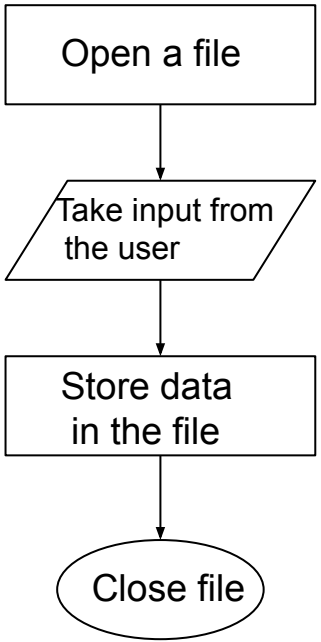
T/P	MINIMUM	MAXIMUM
RAM	• 2 GB	• 3 OR 4 GB
HDD	• 128 GB	• 512 GB
PROCESSOR	• Intel i3 10th gen, AMD Ryzen 3.	• Intel i5 10th gen, i5 11th gen, i7, AMD Ryzen 5

MODULE

1. Admit Patient
2. List of Patients
3. Discharge Patients
4. Add Doctor
5. List of Doctors

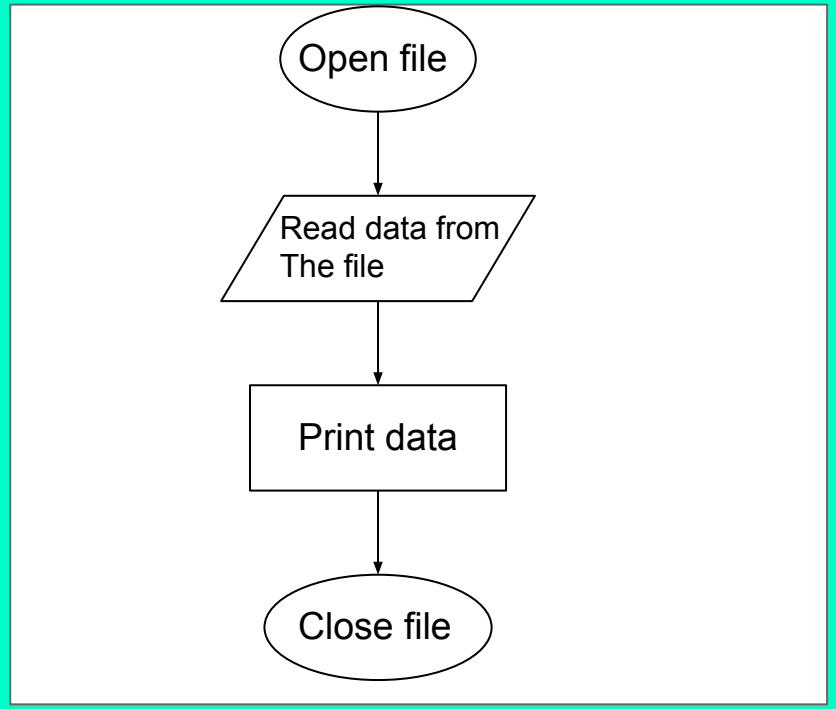
Module 1: Admit patient

- This module consists of the function to admit the patient and is called under a SWITCH statement. Which uses the structure of the patient's information Denoted by struct patient. It is primarily a function that is designed to read the data from the user and store it through structure in a file.



Module 2: List of Patients

- This module contains a function that is used to check the list of the patients admitted in the hospital along with the progress report in their disease or health condition. It also stores the data in a file named as patient. This module opens the file only for reading mode. Its function is to read the data from the file and print it on the screen.

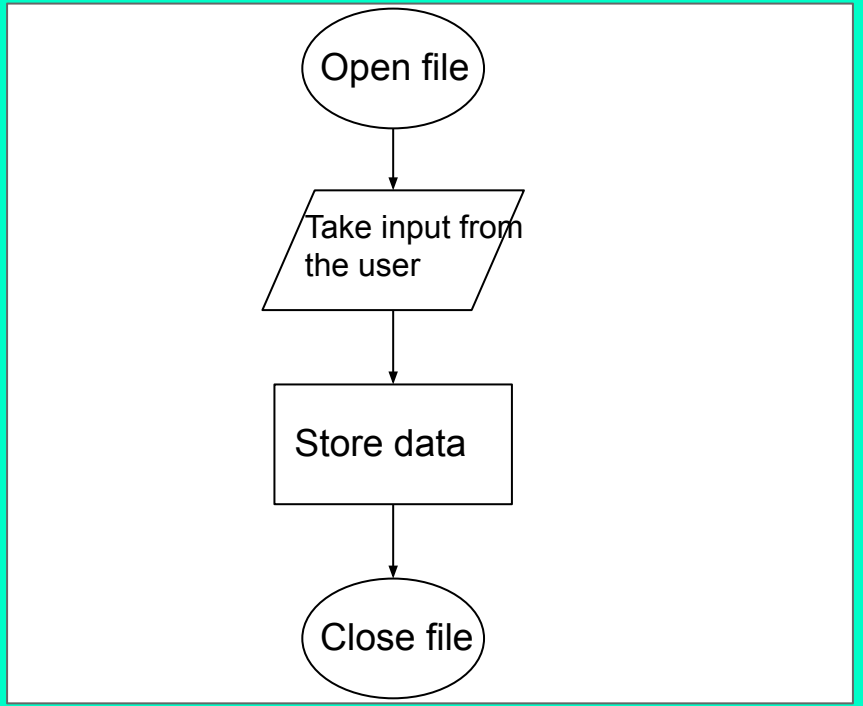


Module 3: Discharge Patient

- Calling of this module provides the user the facility to discharge the patient that has been admitted to the program or the file via MODULE 1. It uses the basic functions of file handling and works by comparing the ID of patients one by one. If the comparison is negative then paste the data to a new file and. If the result is positive then left that data to the previous file. Now rename the new file with the older one.

Module 4: Add Doctor

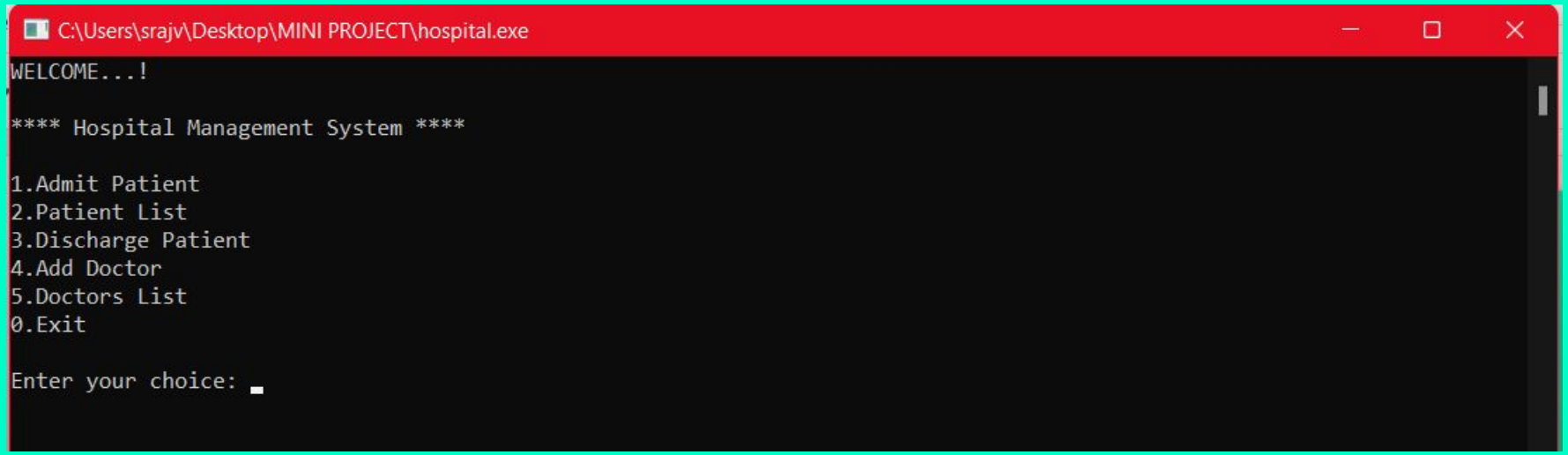
➔ The function available in this module is of insertion type that is used to insert a new doctor to the list of the doctors of the hospital. It uses a structure named as struct doctor. This module is the same as the first one.



Module 5: list of doctors

➔ It is used to see the list of the doctors available in the hospital at the current time. It will help in checking the availability of the doctor at a condition of emergency. It also works on the file handling facility of the C programming language

OUTPUT


C:\Users\srajv\Desktop\MINI PROJECT\hospital.exe
WELCOME...!
**** Hospital Management System ****
1.Admit Patient
2.Patient List
3.Discharge Patient
4.Add Doctor
5.Doctors List
0.Exit
Enter your choice:

CONCLUSION

- We can make the conclusion that the hospital management system is the inevitable part of the lifecycle of the modern medical institution.
- It automates numerous daily operations and enables smooth interactions of the users.
- Developing hospital system software is a great opportunity to create the distinct, efficient and fast delivering healthcare model.

THANK YOU