

# Project Report

By Team FAANG

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**Submission Date:**

**Submission ID:**

**File Name:**

**Word Count:**

**Character Count:**

# HOSPITAL MANAGEMENT SYSTEM

A PROJECT REPORT

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In partial fulfillment for the award of the degree of

**BACHELOR OF TECHNOLOGY**

In

**COMPUTER SCIENCE ENGINEERING**

With specialization in Artificial Intelligence & Machine  
Learning

Of

**FACULTY OF ENGINEERING AND TECHNOLOGY**



S.R.M. Nagar, Kattankulathur, Kancheepuram District

# **SRM UNIVERSITY**

(Under Section 3 of UGC Act, 1956)

## **BONAFIDE CERTIFICATE**

Certified that this project report titled “HOSPITAL MANAGEMENT SYSTEM” is the bonafide work of “SHASHWAT PRASAD [RA2111026010143], ROSHAN PRIYADARSHI [RA2111026010139], SARTHAK DWIVEDI [RA2111026010122], ASSVLY YASHWANTH [RA2111026010121], SRIKAR VAKA [RA2111026010131] & SHIVAM [RA2111026010126]”, who carried out the project work under our supervision. Certified further, that to the best of our knowledge the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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Signature of External Examiner

# ABSTRACT

Many Hospitals currently use a manual system for the management and maintenance of critical information. The current system requires numerous paper forms, with data stores spread throughout the hospital management infrastructure. Often information (on forms) is incomplete or does not follow management standards. Forms are often lost in transit between departments requiring a comprehensive auditing process to ensure that no vital information is lost. Multiple copies of the same information exist in the hospital and may lead to inconsistencies in data in various data stores. A significant part of the operation of any hospital involves the acquisition, management and timely retrieval of great volumes of information. This information typically involves, patient personal information, staff information, staff scheduling, mortuary information, appointments and inventory services for medicines. All this information must be managed in an efficient and cost wise fashion so that an institution's resources may be effectively utilized HMS will automate the management of the hospital making it more efficient and error free. It aims at standardizing data, consolidating data ensuring data integrity and reducing inconsistencies.

## **ACKNOWLEDGEMENT**

We would like to express our deepest gratitude to our guide, Dr.M. SHOBANA for her valuable guidance, consistent encouragement, personal caring, timely help and providing me and my team with an excellent atmosphere for doing mini project. All through the work, in spite of her busy schedule, she has extended cheerful and cordial support to us for completing this mini project work.

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# INTRODUCTION

## Reason for Choosing: -

Considering a multispecialty hospital, many people enter and exit the hospital in a day and maintaining their records safely is tedious. To reduce this type of burdens and to manage the financial, hospital administration and clinical aspects, Hospital management system came into existence. So, our team decided to come in this topic to create hospital management system that help the hospital members to manage all the system.

## Objectives: -

HMS was introduced to solve the complications coming from managing all the paper works of every patient associated with the various departments of hospitalization with confidentiality. HMS provides the ability to manage all the paperwork in one place, reducing the work of staff in arranging and analyzing the paperwork of the patients. HMS does many works like:

- Helps to keep the record of all the patients & staff.
- Helps to keeps the records of all the appointments.
- It easily modifies any patient & staff details.
- It keeps the record of every bill payment.
- It easily displays the list of patients & staffs.

Every hospital has different needs, analyze what is best for your requirement and install the apt HMS system.

# Algorithm

## For New Entry

```
Step – 1 : Start
Step – 2 : Display heading
Step – 3 : Store values in structure array
Step – 4 : For i =0 to number of variable stored in structure array
            Display stored structure array
Step – 5 : if more new entry
            goto step 3
        else
            goto step 6
Step – 6 : End
```

## For Modify Entry

```
Step – 1 : Start
Step – 2 : Display heading
Step – 3 : Enter common structure array variable value
Step – 4 : Display all the details enter by that variable in the structure array
Step – 5 : Choosing the structure variable for modify in the structure array
Step – 6 : Entering new details
Step – 7 : Display the structure array after modifying
Step – 8 : if more modifying the details
            goto step – 3
        else
            goto step – 9
Step – 9 : End
```

## For Displaying Entry

Step – 1 : Start  
Step – 2 : Display heading  
Step – 3 : Display all the entry stored in the structure array  
Step – 4 : End

## For Searching Entry

Step – 1 : Start  
Step – 2 : Display Heading  
Step – 3 : Enter common structure array variable value  
Step – 4 : if structure array variable = entered value  
    Display details of that variable  
else  
    Display Not Found  
Step – 5 : if more search details  
    goto step – 3  
else  
    goto step – 6  
Step – 6 : End

## For Multiplication of Numbers

Step – 1 : Start  
Step – 2 : Display heading  
Step – 3 : Display structure array  
Step – 4 : Enter common structure array variable value  
Step – 5 : if structure array variable = entered value  
    Step – 5.1 : Display details of that variable  
    Step – 5.2 : Sum = Quantity \* Price  
else  
    Display Not Found  
Step – 6 : if more required  
    goto step – 4  
else  
    goto step – 7  
Step – 7 : End

## For Appointment Application

```
Step – 1 : Start
Step – 2 : Display heading
Step – 3 : Entry of details
Step – 4 : Display the appointment details
Step – 5 : if more appointment
            goto step – 3
        else
            goto step – 6
Step – 6 : End
```

## Complete Mini Project

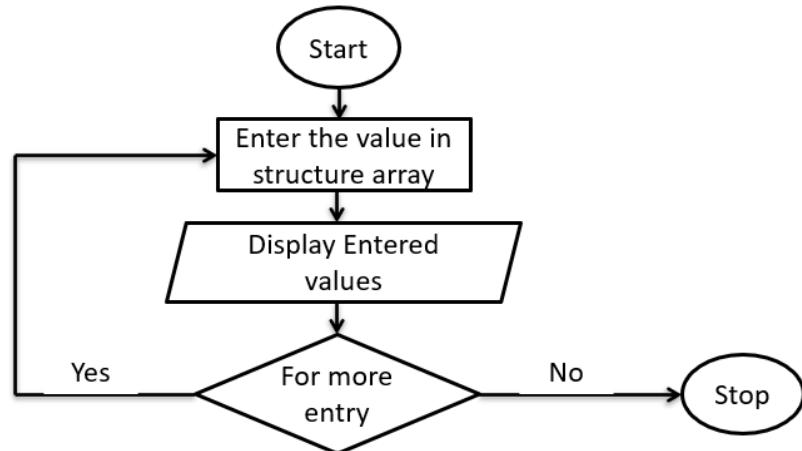
```
Step – 1 : Start
Step – 2 : Display main menu
Step – 3 :
Step – 3.1 : if press 1
            Open patient system
            if press 1
                Open new entry details system
            if press 2
                Open modify details system
            if press 3
                Open display details system
            if press 4
                Open search details system
            if press 5
                goto step 2

Step – 3.2 : if press 2
            Open staff system
            if press 1
                Open new entry details system
            if press 2
                Open modify details system
            if press 3
                Open display details system
            if press 4
                Open search details system
            if press 5
                goto step 2

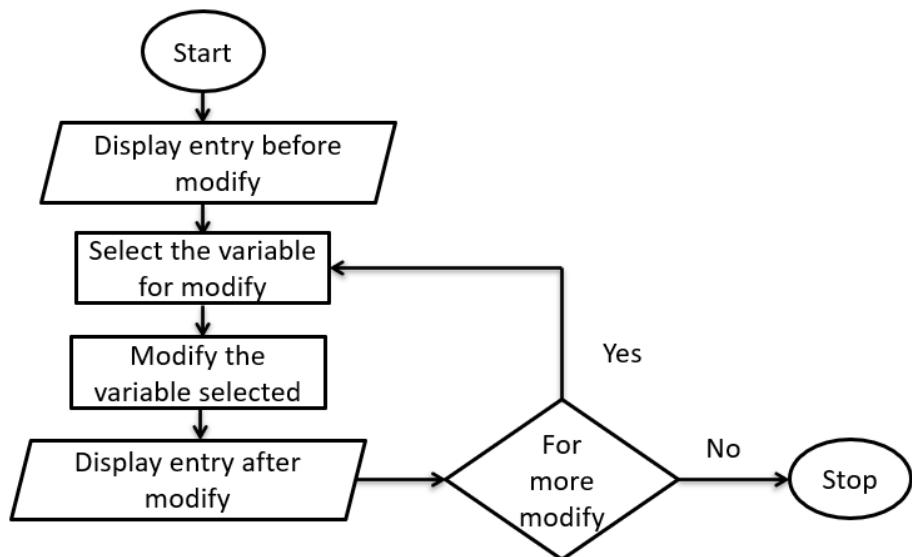
Step – 3.3 : if press 3
            Open inventory system
```

# FLOWCHART

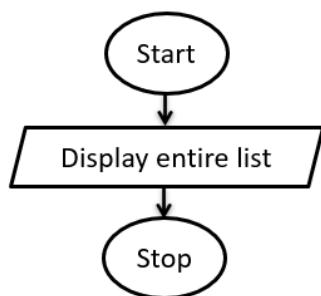
## For New Entry



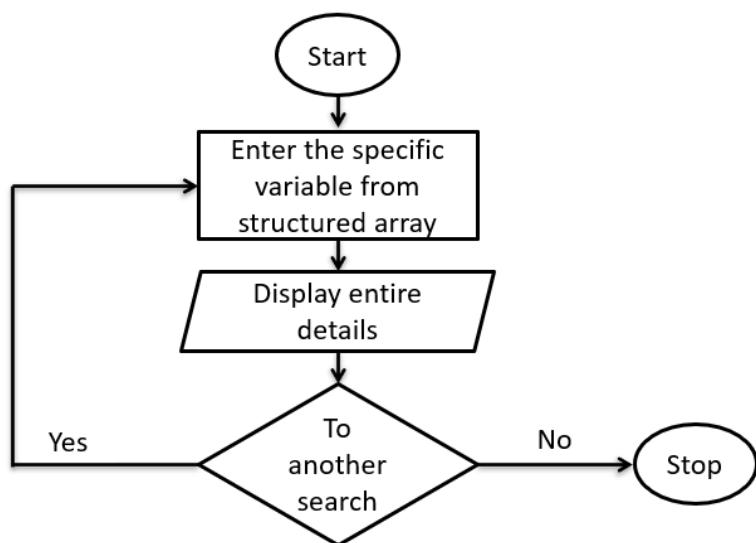
## For Modify Entry



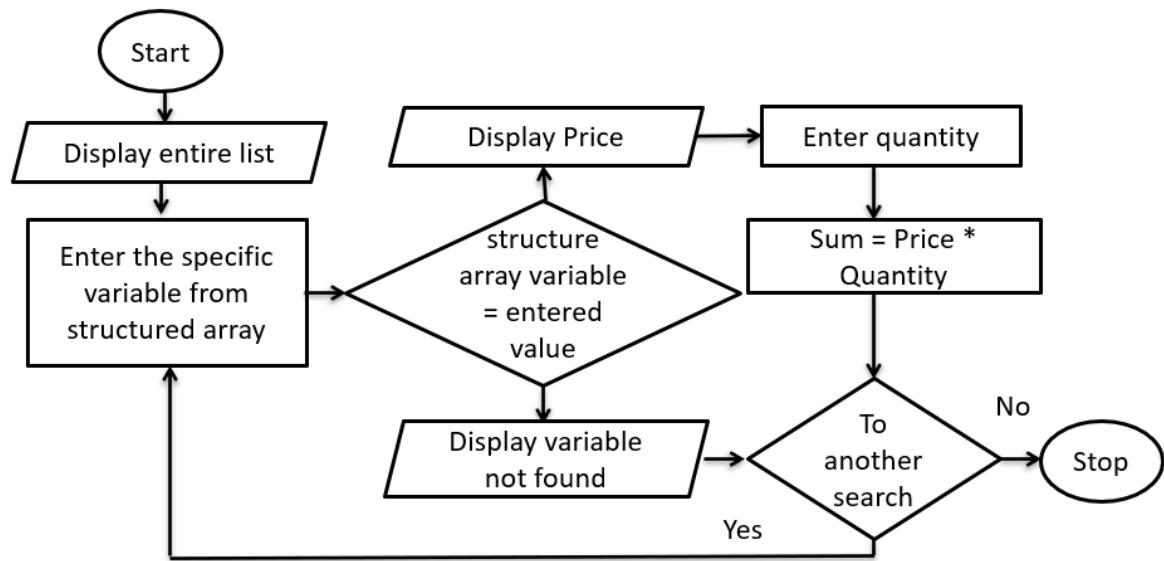
## For Displaying Entry



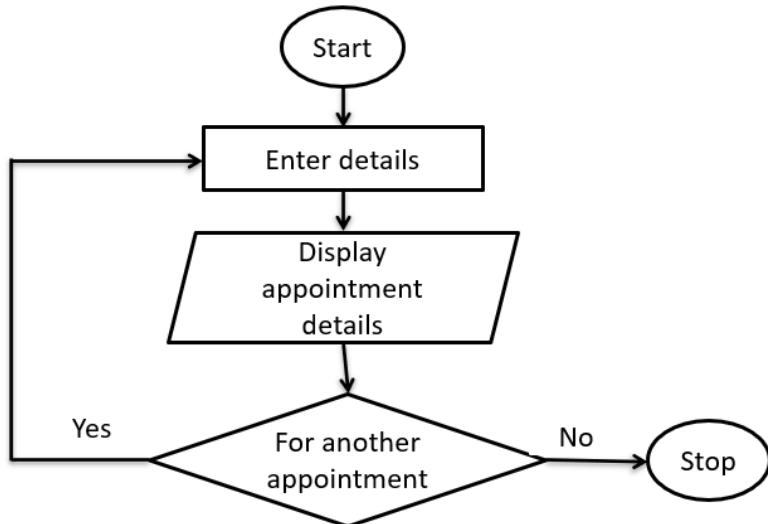
## For Searching Entry



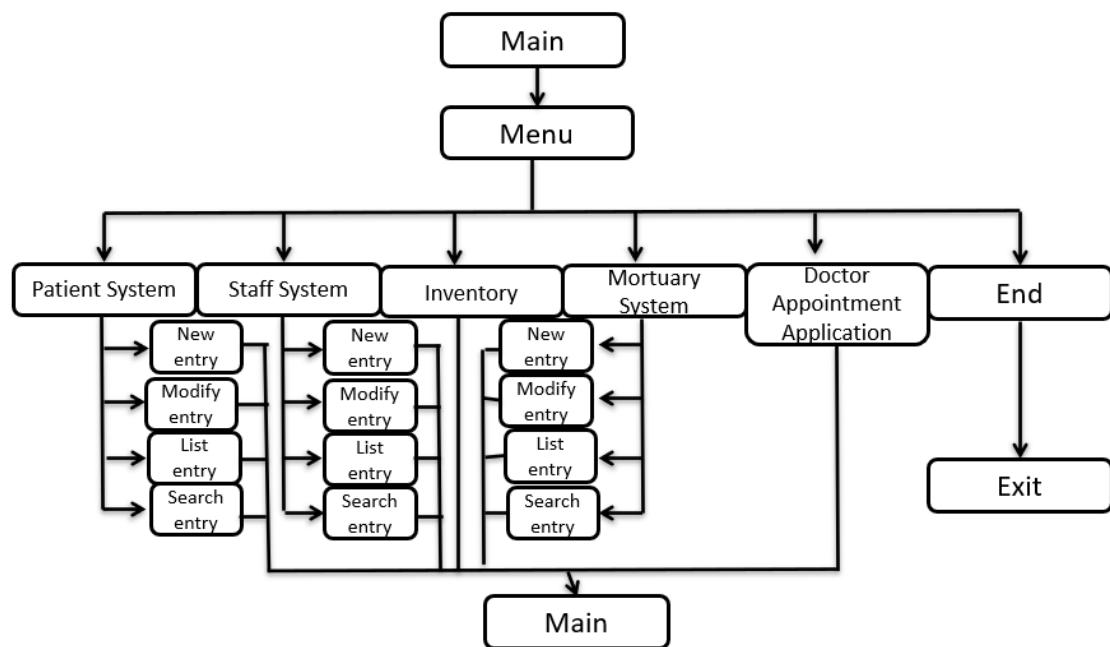
### For Multiplication of Numbers



### For Appointment Application



## Complete Mini Project



# SOURCE CODE

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#define K 100
#define L 1000
void PAT_LIST();
void DOC_LIST();
void MOR_LIST();
void MED_LIST();
void menu();
void PAT();
void NPAT();
void MPAT();
void LPAT();
void SPAT();
void STA();
void NSTA();
void MSTA();
void LSTA();
void SSTA();
void INV();
void MOR();
void NMOR();
void LMOR();
void SMOR();
```

```

void DAA();
void END();
struct patient
{
    char name[K],gender[K],age[K],bloodgroup[K],admittedin[K],doctor[K],date[K],time[K];
    char reg_no[K];
}pat_old[L],pat_new[L];

struct doctor
{
    char name[K],specialist[K],contact[K];
    char id_no[K];
}doc_old[L],doc_new[L];

struct mortuary
{
    char name[K],age[K],gender[K],bloodgroup[K],date[K],time[K],cabinet_no[K];
    char reg_no[K];
}mor_old[L],mor_new[L];

struct medicine
{
    char name[K];
    int price;
}med[L];

struct appointment
{
    char
name[K],gender[K],age[K],bloodgroup[K],appointmentfor[K],doctor[K],date[K],time[K];
}app[L];

void PAT_LIST()
{
    strcpy(pat_old[0].reg_no,"551");
}

```

```
strcpy(pat_old[0].name,"Pratham Agarwalla");
strcpy(pat_old[0].gender,"M");
strcpy(pat_old[0].age,"23");
strcpy(pat_old[0].bloodgroup,"A+");
strcpy(pat_old[0].admittedin,"Ophthalmologist");
strcpy(pat_old[0].doctor,"ASSVLY Yashwanth");
strcpy(pat_old[0].date,"09/01/2018");
strcpy(pat_old[0].time,"11:52");
strcpy(pat_old[1].reg_no,"552");
strcpy(pat_old[1].name,"Anshuman Singh");
strcpy(pat_old[1].gender,"M");
strcpy(pat_old[1].age,"12");
strcpy(pat_old[1].bloodgroup,"O+");
strcpy(pat_old[1].admittedin,"Pediatrician");
strcpy(pat_old[1].doctor,"Shivam");
strcpy(pat_old[1].date,"01/03/2018");
strcpy(pat_old[1].time,"08:22");
strcpy(pat_old[2].reg_no,"553");
strcpy(pat_old[2].name,"Arnav Sharma");
strcpy(pat_old[2].gender,"M");
strcpy(pat_old[2].age,"56");
strcpy(pat_old[2].bloodgroup,"B+");
strcpy(pat_old[2].admittedin,"Cardiologist");
strcpy(pat_old[2].doctor,"Shashwat Prasad");
strcpy(pat_old[2].date,"22/04/2018");
strcpy(pat_old[2].time,"01:20");
strcpy(pat_old[3].reg_no,"554");
strcpy(pat_old[3].name,"Aryan Chaudhary");
strcpy(pat_old[3].gender,"F");
```

```
strcpy(pat_old[3].age,"78");
strcpy(pat_old[3].bloodgroup,"AB-");
strcpy(pat_old[3].admittedin,"Psychiatrist");
strcpy(pat_old[3].doctor,"Sarthak Dwivedi");
strcpy(pat_old[3].date,"12/06/2018");
strcpy(pat_old[3].time,"05:30");
strcpy(pat_old[4].reg_no,"555");
strcpy(pat_old[4].name,"Srinivas B");
strcpy(pat_old[4].gender,"M");
strcpy(pat_old[4].age,"18");
strcpy(pat_old[4].bloodgroup,"A-");
strcpy(pat_old[4].admittedin,"Gastroenterologist");
strcpy(pat_old[4].doctor,"Roshan Priyadarshi");
strcpy(pat_old[4].date,"12/11/2018");
strcpy(pat_old[4].time,"23:20");
strcpy(pat_old[5].reg_no,"556");
strcpy(pat_old[5].name,"PSS.Vivek Kartheek");
strcpy(pat_old[5].gender,"M");
strcpy(pat_old[5].age,"39");
strcpy(pat_old[5].bloodgroup,"AB+");
strcpy(pat_old[5].admittedin,"Oncologist");
strcpy(pat_old[5].doctor,"Srikanth Vaka");
strcpy(pat_old[5].date,"30/03/2019");
strcpy(pat_old[5].time,"15:12");
strcpy(pat_old[6].reg_no,"557");
strcpy(pat_old[6].name,"Anuradha Krishnan");
strcpy(pat_old[6].gender,"F");
strcpy(pat_old[6].age,"28");
strcpy(pat_old[6].bloodgroup,"O-");
```

```
strcpy(pat_old[6].admittedin,"Ophthalmologist");
strcpy(pat_old[6].doctor,"ASSVLY Yashwanth");
strcpy(pat_old[6].date,"07/04/2019");
strcpy(pat_old[6].time,"16:25");
strcpy(pat_old[7].reg_no,"558");
strcpy(pat_old[7].name,"Male Charanjeeth Kumar");
strcpy(pat_old[7].gender,"M");
strcpy(pat_old[7].age,"65");
strcpy(pat_old[7].bloodgroup,"B-");
strcpy(pat_old[7].admittedin,"Ophthalmologist");
strcpy(pat_old[7].doctor,"ASSVLY Yashwanth");
strcpy(pat_old[7].date,"09/04/2019");
strcpy(pat_old[7].time,"01:23");
strcpy(pat_old[8].reg_no,"559");
strcpy(pat_old[8].name,"Rachaputi Bhargav Narasimha");
strcpy(pat_old[8].gender,"M");
strcpy(pat_old[8].age,"48");
strcpy(pat_old[8].bloodgroup,"A+");
strcpy(pat_old[8].admittedin,"Cardiologist");
strcpy(pat_old[8].doctor,"Shashwat Prasad");
strcpy(pat_old[8].date,"05/05/2019");
strcpy(pat_old[8].time,"04:59");
strcpy(pat_old[9].reg_no,"560");
strcpy(pat_old[9].name,"Priyansh Bhandari");
strcpy(pat_old[9].gender,"M");
strcpy(pat_old[9].age,"33");
strcpy(pat_old[9].bloodgroup,"A-");
strcpy(pat_old[9].admittedin,"Oncologist");
strcpy(pat_old[9].doctor,"Srikanth Vaka");
```

```
strcpy(pat_old[9].date,"26/07/2019");
strcpy(pat_old[9].time,"18:27");
strcpy(pat_old[10].reg_no,"561");
strcpy(pat_old[10].name,"Mahammad Ashraf Doula Khan");
strcpy(pat_old[10].gender,"M");
strcpy(pat_old[10].age,"15");
strcpy(pat_old[10].bloodgroup,"B+");
strcpy(pat_old[10].admittedin,"Pediatrician");
strcpy(pat_old[10].doctor,"Shivam");
strcpy(pat_old[10].date,"17/08/2019");
strcpy(pat_old[10].time,"21:42");
strcpy(pat_old[11].reg_no,"562");
strcpy(pat_old[11].name,"Machireddy Poorna Pradeep Reddy");
strcpy(pat_old[11].gender,"M");
strcpy(pat_old[11].age,"19");
strcpy(pat_old[11].bloodgroup,"B+");
strcpy(pat_old[11].admittedin,"Neurologist");
strcpy(pat_old[11].doctor,"Nikhil Rajput");
strcpy(pat_old[11].date,"12/09/2019");
strcpy(pat_old[11].time,"19:11");
strcpy(pat_old[12].reg_no,"563");
strcpy(pat_old[12].name,"Nilay Kumar");
strcpy(pat_old[12].gender,"M");
strcpy(pat_old[12].age,"12");
strcpy(pat_old[12].bloodgroup,"O+");
strcpy(pat_old[12].admittedin,"Pediatrician");
strcpy(pat_old[12].doctor,"Shivam");
strcpy(pat_old[12].date,"22/11/2020");
strcpy(pat_old[12].time,"11:26");
```

```
strcpy(pat_old[13].reg_no,"564");
strcpy(pat_old[13].name,"Bhargavi Kaza");
strcpy(pat_old[13].gender,"F");
strcpy(pat_old[13].age,"32");
strcpy(pat_old[13].bloodgroup,"O-");
strcpy(pat_old[13].admittedin,"Neurologist");
strcpy(pat_old[13].doctor,"Nikhil Rajput");
strcpy(pat_old[13].date,"28/11/2020");
strcpy(pat_old[13].time,"22:15");

strcpy(pat_old[14].reg_no,"565");
strcpy(pat_old[14].name,"Jagarlamundi Bipin Sai Bhaskar");
strcpy(pat_old[14].gender,"M");
strcpy(pat_old[14].age,"55");
strcpy(pat_old[14].bloodgroup,"AB+");
strcpy(pat_old[14].admittedin,"Cardiologist");
strcpy(pat_old[14].doctor,"Shashwat Prasad");
strcpy(pat_old[14].date,"02/12/2020");
strcpy(pat_old[14].time,"18:59");

strcpy(pat_old[15].reg_no,"566");
strcpy(pat_old[15].name,"Dheeraj G");
strcpy(pat_old[15].gender,"M");
strcpy(pat_old[15].age,"51");
strcpy(pat_old[15].bloodgroup,"O-");
strcpy(pat_old[15].admittedin,"Cardiologist");
strcpy(pat_old[15].doctor,"Shashwat Prasad");
strcpy(pat_old[15].date,"10/12/2020");
strcpy(pat_old[15].time,"14:23");

strcpy(pat_old[16].reg_no,"567");
strcpy(pat_old[16].name,"Ravi Vamsi Krishna");
```

```
strcpy(pat_old[16].gender,"M");
strcpy(pat_old[16].age,"07");
strcpy(pat_old[16].bloodgroup,"O+");
strcpy(pat_old[16].admittedin,"Pediatrician");
strcpy(pat_old[16].doctor,"Shivam");
strcpy(pat_old[16].date,"18/12/2020");
strcpy(pat_old[16].time,"17:28");
strcpy(pat_old[17].reg_no,"568");
strcpy(pat_old[17].name,"Anant Sharma");
strcpy(pat_old[17].gender,"M");
strcpy(pat_old[17].age,"25");
strcpy(pat_old[17].bloodgroup,"AB-");
strcpy(pat_old[17].admittedin,"Oncologist");
strcpy(pat_old[17].doctor,"Srikanth Vaka");
strcpy(pat_old[17].date,"20/12/2020");
strcpy(pat_old[17].time,"08:35");
strcpy(pat_old[18].reg_no,"569");
strcpy(pat_old[18].name,"Sachin Kumar");
strcpy(pat_old[18].gender,"M");
strcpy(pat_old[18].age,"36");
strcpy(pat_old[18].bloodgroup,"O-");
strcpy(pat_old[18].admittedin,"Psychiatrist");
strcpy(pat_old[18].doctor,"Sarthak Dwivedi");
strcpy(pat_old[18].date,"31/12/2020");
strcpy(pat_old[18].time,"10:17");
strcpy(pat_old[19].reg_no,"570");
strcpy(pat_old[19].name,"Cheedella S V Abhinava Sai");
strcpy(pat_old[19].gender,"M");
strcpy(pat_old[19].age,"35");
```

```
strcpy(pat_old[19].bloodgroup,"A-");
strcpy(pat_old[19].admittedin,"GAstroenterologist");
strcpy(pat_old[19].doctor,"Roshan Priyadarshi");
strcpy(pat_old[19].date,"08/01/2021");
strcpy(pat_old[19].time,"15:44");
strcpy(pat_old[20].reg_no,"571");
strcpy(pat_old[20].name,"Lingeswanan V");
strcpy(pat_old[20].gender,"M");
strcpy(pat_old[20].age,"31");
strcpy(pat_old[20].bloodgroup,"B+");
strcpy(pat_old[20].admittedin,"Psychiatrist");
strcpy(pat_old[20].doctor,"Sarthak Dwivedi");
strcpy(pat_old[20].date,"23/01/2021");
strcpy(pat_old[20].time,"22:51");
strcpy(pat_old[21].reg_no,"572");
strcpy(pat_old[21].name,"Kurella Chaitanya");
strcpy(pat_old[21].gender,"M");
strcpy(pat_old[21].age,"22");
strcpy(pat_old[21].bloodgroup,"B+");
strcpy(pat_old[21].admittedin,"Oncologist");
strcpy(pat_old[21].doctor,"Srikanth Vaka");
strcpy(pat_old[21].date,"30/01/2021");
strcpy(pat_old[21].time,"11:24");
strcpy(pat_old[22].reg_no,"573");
strcpy(pat_old[22].name,"Kushal Srivastava");
strcpy(pat_old[22].gender,"M");
strcpy(pat_old[22].age,"19");
strcpy(pat_old[22].bloodgroup,"O+");
strcpy(pat_old[22].admittedin,"Neurologist");
```

```
strcpy(pat_old[22].doctor,"Nikhil Rajput");
strcpy(pat_old[22].date,"19/02/2021");
strcpy(pat_old[22].time,"17:20");
strcpy(pat_old[23].reg_no,"574");
strcpy(pat_old[23].name,"Munshi Afroze Alam");
strcpy(pat_old[23].gender,"M");
strcpy(pat_old[23].age,"23");
strcpy(pat_old[23].bloodgroup,"B-");
strcpy(pat_old[23].admittedin,"Psychiatrist");
strcpy(pat_old[23].doctor,"Sarthak Dwivedi");
strcpy(pat_old[23].date,"25/05/2021");
strcpy(pat_old[23].time,"14:15");
strcpy(pat_old[24].reg_no,"575");
strcpy(pat_old[24].name,"Varikoti Likith Bharadwaj");
strcpy(pat_old[24].gender,"M");
strcpy(pat_old[24].age,"62");
strcpy(pat_old[24].bloodgroup,"B+");
strcpy(pat_old[24].admittedin,"Cardiologist");
strcpy(pat_old[24].doctor,"Shashwat Prasad");
strcpy(pat_old[24].date,"12/06/2021");
strcpy(pat_old[24].time,"21:28");
strcpy(pat_old[25].reg_no,"576");
strcpy(pat_old[25].name,"Mohit Sharma");
strcpy(pat_old[25].gender,"M");
strcpy(pat_old[25].age,"75");
strcpy(pat_old[25].bloodgroup,"B-");
strcpy(pat_old[25].admittedin,"Neurologist");
strcpy(pat_old[25].doctor,"Nikhil Rajput");
strcpy(pat_old[25].date,"02/08/2021");
```

```
strcpy(pat_old[25].time,"07:25");
strcpy(pat_old[26].reg_no,"577");
strcpy(pat_old[26].name,"Mayank Mukherjee");
strcpy(pat_old[26].gender,"M");
strcpy(pat_old[26].age,"30");
strcpy(pat_old[26].bloodgroup,"B+");
strcpy(pat_old[26].admittedin,"Gastroenterologist");
strcpy(pat_old[26].doctor,"Roshan Priyadarshi");
strcpy(pat_old[26].date,"23/09/2021");
strcpy(pat_old[26].time,"02:43");
strcpy(pat_old[27].reg_no,"578");
strcpy(pat_old[27].name,"Vuluvabeeti Sowmya Sarojini");
strcpy(pat_old[27].gender,"F");
strcpy(pat_old[27].age,"44");
strcpy(pat_old[27].bloodgroup,"AB+");
strcpy(pat_old[27].admittedin,"Gastroenterologist");
strcpy(pat_old[27].doctor,"Roshan Priyadarshi");
strcpy(pat_old[27].date,"11/12/2021");
strcpy(pat_old[27].time,"11:30");
strcpy(pat_old[28].reg_no,"579");
strcpy(pat_old[28].name,"CH Malvika Reddy");
strcpy(pat_old[28].gender,"F");
strcpy(pat_old[28].age,"58");
strcpy(pat_old[28].bloodgroup,"A+");
strcpy(pat_old[28].admittedin,"Oncologist");
strcpy(pat_old[28].doctor,"Srikanth Vaka");
strcpy(pat_old[28].date,"15/12/2021");
strcpy(pat_old[28].time,"05:45");
strcpy(pat_old[29].reg_no,"580");
```

```
strcpy(pat_old[29].name,"Prachi");
strcpy(pat_old[29].gender,"F");
strcpy(pat_old[29].age,"50");
strcpy(pat_old[29].bloodgroup,"B+");
strcpy(pat_old[29].admittedin,"Psychiatrist");
strcpy(pat_old[29].doctor,"Sarthak Dwivedi");
strcpy(pat_old[29].date,"19/12/2021");
strcpy(pat_old[29].time,"12:00");

}

void DOC_LIST()
{
    strcpy(doc_old[0].id_no,"001");
    strcpy(doc_old[0].name,"Shashwat Prasad");
    strcpy(doc_old[0].specialist,"Cardiologist");
    strcpy(doc_old[0].contact,"0123456789");
    strcpy(doc_old[1].id_no,"002");
    strcpy(doc_old[1].name,"Roshan Priyadarshi");
    strcpy(doc_old[1].specialist,"Gastroenterologist");
    strcpy(doc_old[1].contact,"1234567890");
    strcpy(doc_old[2].id_no,"003");
    strcpy(doc_old[2].name,"Sarthak Dwivedi");
    strcpy(doc_old[2].specialist,"Psychiatrist");
    strcpy(doc_old[2].contact,"2345678901");
    strcpy(doc_old[3].id_no,"004");
    strcpy(doc_old[3].name,"ASSVLY Yashwanth");
    strcpy(doc_old[3].specialist,"Ophthalmologist");
    strcpy(doc_old[3].contact,"3456789012");
    strcpy(doc_old[4].id_no,"005");
    strcpy(doc_old[4].name,"Srikanth Vaka");
```

```
strcpy(doc_old[4].specialist,"Oncologist");
strcpy(doc_old[4].contact,"4567890123");
strcpy(doc_old[5].id_no,"006");
strcpy(doc_old[5].name,"Shivam");
strcpy(doc_old[5].specialist,"Pediatrician");
strcpy(doc_old[5].contact,"5678901234");
strcpy(doc_old[6].id_no,"007");
strcpy(doc_old[6].name,"Nikhil Rajput");
strcpy(doc_old[6].specialist,"Neurologist");
strcpy(doc_old[6].contact,"6789012345");
}
```

```
void MOR_LIST()
{
    strcpy(mor_old[0].reg_no,"289");
    strcpy(mor_old[0].cabinet_no,"01");
    strcpy(mor_old[0].name,"Hitler");
    strcpy(mor_old[0].age,"68");
    strcpy(mor_old[0].gender,"M");
    strcpy(mor_old[0].bloodgroup,"O-");
    strcpy(mor_old[0].date,"15/09/2017");
    strcpy(mor_old[0].time,"15:47");
    strcpy(mor_old[1].reg_no,"299");
    strcpy(mor_old[1].cabinet_no,"02");
    strcpy(mor_old[1].name,"Napoleon");
    strcpy(mor_old[1].age,"47");
    strcpy(mor_old[1].gender,"M");
    strcpy(mor_old[1].bloodgroup,"A+");
    strcpy(mor_old[1].date,"25/11/2017");
    strcpy(mor_old[1].time,"19:03");
```

```
strcpy(mor_old[2].reg_no,"348");
strcpy(mor_old[2].cabinet_no,"03");
strcpy(mor_old[2].name,"Jennifer Lopez");
strcpy(mor_old[2].age,"55");
strcpy(mor_old[2].gender,"F");
strcpy(mor_old[2].bloodgroup,"AB+");
strcpy(mor_old[2].date,"17/01/2018");
strcpy(mor_old[2].time,"09:22");
strcpy(mor_old[3].reg_no,"366");
strcpy(mor_old[3].cabinet_no,"04");
strcpy(mor_old[3].name,"Scarlet Johansson");
strcpy(mor_old[3].age,"25");
strcpy(mor_old[3].gender,"F");
strcpy(mor_old[3].bloodgroup,"B+");
strcpy(mor_old[3].date,"25/09/2018");
strcpy(mor_old[3].time,"22:58");
strcpy(mor_old[4].reg_no,"508");
strcpy(mor_old[4].cabinet_no,"05");
strcpy(mor_old[4].name,"Zeenat Khalifa");
strcpy(mor_old[4].age,"32");
strcpy(mor_old[4].gender,"F");
strcpy(mor_old[4].bloodgroup,"O-");
strcpy(mor_old[4].date,"05/10/2018");
strcpy(mor_old[4].time,"12:25");
}

void MED_LIST()
{
    strcpy(med[0].name,"Amlodipine");
    med[0].price=30;
```

```
strcpy(med[1].name,"Atenolol");
med[1].price=58;
strcpy(med[2].name,"Pantoprazole");
med[2].price=100;
strcpy(med[3].name,"Domperidone");
med[3].price=280;
strcpy(med[4].name,"Trazodone");
med[4].price=25;
strcpy(med[5].name,"Escitalopram");
med[5].price=567;
strcpy(med[6].name,"Acyclovir");
med[6].price=12;
strcpy(med[7].name,"Ophthalmic");
med[7].price=28;
strcpy(med[8].name,"Avastin Bicnu");
med[8].price=69;
strcpy(med[9].name,"Braftov");
med[9].price=170;
strcpy(med[10].name,"Formoterol");
med[10].price=89;
strcpy(med[11].name,"Montelukast");
med[11].price=88;
strcpy(med[12].name,"Clonazepam");
med[12].price=256;
strcpy(med[13].name,"Oxcarbazepine");
med[13].price=74;
strcpy(med[14].name,"MuscleBlaze");
med[14].price=8;
strcpy(med[15].name,"Health Kart Vitals");
```

```

med[15].price=5;
strcpy(med[16].name,"Paracetamol");
med[16].price=2;
strcpy(med[17].name,"Norflex TZ");
med[17].price=15;
strcpy(med[18].name,"Methaphor");
med[18].price=9;
strcpy(med[19].name,"Amoxicillin");
med[19].price=6;

}

void main()
{
    system("COLOR E4");
    menu();
}

void menu()
{
    printf("\n\n\n");
    printf(" **      **      ** ***** * *      ***** * ***** * ***      ***\n*****\n");
    printf(" **      ** **  **      **      **      **      **      **      **      **      **\n");
    printf(" **      ** **  **      **      **      **      **      **      **      **      **\n*****\n");
    printf(" **      **      **      **      **      **      **      **      **      **\n*****\n");
    printf("      **      **      **      **      **      **      **      **      **\n*****\n");
    printf("      **      **\n");
    printf("      ***** ***** ***** ***** ***** ***** * *      **\n");
    printf("      **      **\n");
    printf("      **      **\n");
}

```

```

printf("          **  **  **\n");
printf("          **  *****\n");
printf("\n\n");
printf("      *****  ***   ***   ***   * * *****\n");
printf("      **  * *  * *  ***  * * * * *\n");
printf("      *****  *****  *****  * * * * *  *****\n");
printf("      **  * *  * *  ***  * * * * *\n");
printf("      **  * *  * *  ***  * * * * *\n");
printf("\n\n");
printf("  **  * *  *****  *****  *****  *****  *****\n");
printf("  ***  **\n");
printf("  **  * *  * *  ***  * *  * *  **  * *  * *\n");
printf("  *****  * *  * *  *****  *****  * *  * *  *****\n");
printf("  **\n");
printf("  **  * *  * *  ***  * *  * *  * *\n");
printf("  *****  * *  * *  *****\n");
printf("  **  * *  * *  * *\n");
printf("\n");
printf("\n\n\n");
printf("-----\n");
printf("FAANG HOSPITAL MANAGEMENT SYSTEM\n");
printf("-----\n");
printf("\n");
printf("1. Patient System\n");
printf("2. Staff System\n");
printf("3. Inventory System\n");
printf("4. Mortuary System\n");
printf("5. Doctor Appointment Application\n");
printf("6. Exit\n");
printf("\n");

```

```
char choice;  
printf("      Please Select Your Choice - ");  
scanf("%s",&choice);  
switch(choice)  
{  
    case '1':  
        PAT();  
        break;  
    case '2':  
        STA();  
        break;  
    case '3':  
        INV();  
        break;  
    case '4':  
        MOR();  
        break;  
    case '5':  
        DAA();  
        break;  
    case '6':  
        END();  
        break;  
}  
}  
void PAT()  
{  
    char pt;  
    printf("\n\n\n");
```

```
printf("-----\n");
printf("Welcome To Patients System\n");
printf("-----\n");
printf("\n");
printf("1. Entry of New Patient\n");
printf("2. Modifying Existing Patients Details\n");
printf("3. Display the List of Patients\n");
printf("4. Search for Patient Details\n");
printf("5. Return to the Main Menu\n");
printf("\n");
printf("Please Select Your Choice - ");
scanf("%s",&pt);
switch(pt)
{
case '1':
    NPAT();
    break;
case '2':
    MPAT();
    break;
case '3':
    LPAT();
    break;
case '4':
    SPAT();
    break;
case '5':
    main();
    break;
```

```

    }

}

void NPAT()
{
    PAT_LIST();

    char entry_yes_no[K],another;

    int count1;

    printf("\n\n\n");

    printf("-----\n");
    printf("Please Enter the Details of New Patient\n");
    printf("-----\n");
    printf("\n");

    another='Y';

    while(another=='Y')

    {

        a:

        printf("Enter Registration Number - ");

        scanf("%s",pat_new[count1].reg_no);

        printf("Enter Name - ");

        scanf("%s",pat_new[count1].name);

        printf("Enter Gender (M/F/T) - ");

        scanf("%s",pat_new[count1].gender);

        printf("Enter Age - ");

        scanf("%s",pat_new[count1].age);

        printf("Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - ");

        scanf("%s",pat_new[count1].bloodgroup);

        printf("Enter Admitted In
(Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - ");

        scanf("%s",pat_new[count1].admittedin);
    }
}

```

```

if(strcmp(pat_new[count1].admittedin,"Cardiologist")==0)
    printf("\n      =>Doctor Appointed - Shashwat Prasad\n");
else if(strcmp(pat_new[count1].admittedin,"Gastroenterologist")==0)
    printf("\n      =>Doctor Appointed - Roshan Priyadarshi\n");
else if(strcmp(pat_new[count1].admittedin,"Psychiatrist")==0)
    printf("\n      =>Doctor Appointed - Sarthak Dwivedi\n");
else if(strcmp(pat_new[count1].admittedin,"Ophthalmologist")==0)
    printf("\n      =>Doctor Appointed - ASSVLY Yashwanth\n");
else if(strcmp(pat_new[count1].admittedin,"Oncologist")==0)
    printf("\n      =>Doctor Appointed - Srikar Vaka\n");
else if(strcmp(pat_new[count1].admittedin,"Pediatrician")==0)
    printf("\n      =>Doctor Appointed - Shivam\n");
else if(strcmp(pat_new[count1].admittedin,"Neurologist")==0)
    printf("\n      =>Doctor Appointed - Nikhil Rajput\n");
else
{
    printf("\n      Sorry Doctor is Not Available\n");
    printf("      Handled by Most Appropriate Doctor\n");
}
printf("\n");
printf("      Enter Date of Admit (DD/MM/YYYY) - ");
scanf("%s",pat_new[count1].date);
printf("      Enter Time of Admit (HH:MM) - ");
scanf("%s",pat_new[count1].time);
count1++;
for(int i=0;i<(count1);i++)
{
    printf("\n\n");
    printf("      New Patient Details :-\n");
}

```

```

printf("      Registration Number - %s\n",pat_new[i].reg_no);
printf("      Name - %s\n",pat_new[i].name);
printf("      Gender - %s\n",pat_new[i].gender);
printf("      Age - %s\n",pat_new[i].age);
printf("      Blood Group - %s\n",pat_new[i].bloodgroup);
printf("      Admitted In - %s\n",pat_new[i].admittedin);
printf("      Date - %s\n",pat_new[i].date);
printf("      Time - %s\n",pat_new[i].time);
printf("\n");

}

printf("\n      Do You Want to Enter More Patient Details ? (Yes/No) - ");
scanf("%s",entry_yes_no);
if(strcmp(entry_yes_no,"Yes")==0)

{
    printf("\n\n");
    goto a;
}

else

main();

}

void MPAT()

{
    PAT_LIST();

    int modify_1,select_1;

    char change_1[K],modify_yes_no[K],another;

    printf("\n\n\n");

    printf("      ----- \n");
    printf("      Modifying Details of a Patient\n");

```

```

printf("-----\n");
printf("\n");
another='Y';
while(another=='Y')
{
b:
printf("      Please Select the Patient to Whom You Wanted To Modify
(Eg:551=0,552=1,.....) - ");
scanf("%d",&modify_1);
printf("\n\n");
printf("      Before Modifying\n");
printf("\n");
printf("      Registration Number - %s\n",pat_old[modify_1].reg_no);
printf("      Name - %s\n",pat_old[modify_1].name);
printf("      Gender - %s\n",pat_old[modify_1].gender);
printf("      Age - %s\n",pat_old[modify_1].age);
printf("      Blood Group - %s\n",pat_old[modify_1].bloodgroup);
printf("      Admitted In - %s\n",pat_old[modify_1].admittedin);
printf("      Doctor Appointed - %s\n",pat_old[modify_1].doctor);
printf("      Date - %s\n",pat_old[modify_1].date);
printf("      Time - %s\n",pat_old[modify_1].time);
printf("\n");
for(int i=0;i<30;i++)
{
if(i==modify_1)
{
printf("      Please Select the Number for Respective Changing option (1-Name/2-
Gender/3-Age/4-Blood Group/5-Date/6-Time) - ");
scanf("%d",&select_1);
switch(select_1)

```

```
{  
case 1:  
    printf("\n");  
    printf("      Enter Correct Name - ");  
    scanf("%s",change_1);  
    strcpy(pat_old[i].name,change_1);  
    break;  
  
case 2:  
    printf("\n");  
    printf("      Enter Correct Gender (M/F/T) - ");  
    scanf("%s",change_1);  
    strcpy(pat_old[i].gender,change_1);  
    break;  
  
case 3:  
    printf("\n");  
    printf("      Enter Correct Age - ");  
    scanf("%s",change_1);  
    strcpy(pat_old[i].age,change_1);  
    break;  
  
case 4:  
    printf("\n");  
    printf("      Enter Correct Blood Group - ");  
    scanf("%s",change_1);  
    strcpy(pat_old[i].bloodgroup,change_1);  
    break;  
  
case 5:  
    printf("\n");  
    printf("      Enter Correct Date - ");  
    scanf("%s",change_1);
```

```

strcpy(pat_new[i].date,change_1);

break;

case 6:

printf("\n");

printf("      Enter Correct Time - ");

scanf("%s",change_1);

strcpy(pat_old[i].time,change_1);

break;

default:

printf("\n");

printf("      Invalid Entry\n");

printf("\n");

}

printf("\n");

printf("      After Modifying\n");

printf("\n");

printf("      Registration Number - %s\n",pat_old[modify_1].reg_no);

printf("      Name - %s\n",pat_old[modify_1].name);

printf("      Gender - %s\n",pat_old[modify_1].gender);

printf("      Age - %s\n",pat_old[modify_1].age);

printf("      Blood Group - %s\n",pat_old[modify_1].bloodgroup);

printf("      Admitted In - %s\n",pat_old[modify_1].admittedin);

printf("      Doctor Appointed - %s\n",pat_old[modify_1].doctor);

printf("      Date - %s\n",pat_old[modify_1].date);

printf("      Time - %s\n",pat_old[modify_1].time);

printf("\n");

}

}

printf("\n      Do You Want to Modify More Patient Details ? (Yes/No) - ");

```

```

scanf("%s",modify_yes_no);

if(strcmp(modify_yes_no,"Yes")==0)

{

printf("\n\n");

goto b;

}

else

main();

}

void LPAT()

{

PAT_LIST();

int return_1;

printf("\n\n\n");

printf("      -----\\n");

printf("      Patients List\\n");

printf("      -----\\n");

for(int i=0;i<30;i++)

{

printf("\\n");

printf("      Registration Number - %s\\n",pat_old[i].reg_no);

printf("      Name - %s\\n",pat_old[i].name);

printf("      Gender - %s\\n",pat_old[i].gender);

printf("      Age - %s\\n",pat_old[i].age);

printf("      Blood Group - %s\\n",pat_old[i].bloodgroup);

printf("      Admitted In - %s\\n",pat_old[i].admittedin);

printf("      Doctor Appointed - %s\\n",pat_old[i].doctor);

printf("      Date - %s\\n",pat_old[i].date);

```

```

printf("      Time - %s\n",pat_old[i].time);
printf("\n");
}

printf("\n      Enter Any Number to Return to the Main Menu - ");
scanf("%d",&return_1);

main();
}

void SPAT()
{
    PAT_LIST();

    char search_reg_1[K],another,search_yes_no[K];
    int count5=0;

    printf("\n\n\n");
    printf("      ----- \n");
    printf("      Searching of Patient Details\n");
    printf("      ----- \n");
    printf("\n");

    another='Y';
    while(another=='Y')
    {
        aa:

        printf("      Please Enter the Registration Number - ");
        scanf("%s",search_reg_1);
        for(int i=0;i<30;i++)
        {
            if(strcmp(search_reg_1,pat_old[i].reg_no)==0)
            {
                printf("\n");
                printf("      Name - %s\n",pat_old[i].name);
            }
        }
    }
}

```

```

        printf("      Gender - %s\n",pat_old[i].gender);
        printf("      Age - %s\n",pat_old[i].age);
        printf("      Blood Group - %s\n",pat_old[i].bloodgroup);
        printf("      Admitted In - %s\n",pat_old[i].admittedin);
        printf("      Doctor Appointed - %s\n",pat_old[i].doctor);
        printf("      Date - %s\n",pat_old[i].date);
        printf("      Time - %s\n",pat_old[i].time);

        break;
    }

    else
        count5++;

}

if(count5>=30)
{
    printf("\n");
    printf("      Registration Number Not Found");
}

printf("\n");
printf("\n      Do You Want to Search More Patient Details ? (Yes/No) - ");
scanf("%s",search_yes_no);
if(strcmp(search_yes_no,"Yes")==0)
{
    printf("\n\n");
    goto aa;
}

else
    main();
}

}

```

```
void STA()
{
    char st;
    printf("\n\n\n");
    printf("-----\n");
    printf("      Welcome To Staffs System\n");
    printf("-----\n");
    printf("\n");
    printf("      1. Entry of New Staff\n");
    printf("      2. Modifying Existing Staff Details\n");
    printf("      3. Display the List of Staffs\n");
    printf("      4. Search for Staff Details\n");
    printf("      5. Return to the Main Menu\n");
    printf("\n");
    printf("      Please Select Your Choice - ");
    scanf("%s",&st);
    switch(st)
    {
        case '1':
            NSTA();
            break;
        case '2':
            MSTA();
            break;
        case '3':
            LSTA();
            break;
        case '4':
            SSTA();
    }
}
```

```

break;

case '5':
    main();
    break;
}

}

void NSTA()
{
    DOC_LIST();

    char entry_yes_no[K],another;

    int count2;

    printf("\n\n\n");

    printf("-----\n");
    printf("      Please Enter the Details of New Staff\n");
    printf("-----\n");
    printf("\n");

    another='Y';

    while(another=='Y')

    {
        c:

        printf("      Enter ID Number - ");

        scanf("%s",doc_new[count2].id_no);

        printf("      Enter Name - ");

        scanf("%s",doc_new[count2].name);

        printf("      Enter Specialisation - ");

        scanf("%s",doc_new[count2].specialist);

        printf("      Enter Contact - ");

        scanf("%s",doc_new[count2].contact);

        count2++;
}

```

```

for(int i=0;i<(count2);i++)
{
    printf("\n");
    printf("      ID Number - %s\n",doc_new[i].id_no);
    printf("      Name - %s\n",doc_new[i].name);
    printf("      Specialisation - %s\n",doc_new[i].specialist);
    printf("      Contact - %s\n",doc_new[i].contact);
    printf("\n");
}

printf("\n      Do You Want to Enter More Staff Details ? (Yes/No) - ");
scanf("%s",entry_yes_no);
if(strcmp(entry_yes_no,"Yes")==0)
{
    printf("\n\n");
    goto c;
}
else
    main();
}

void MSTA()
{
    DOC_LIST();

    int modify_2,select_2;
    char change_2[K],modify_yes_no[K],another;
    printf("\n\n\n");
    printf("      -----\\n");
    printf("      Modifying Details of a Staff\\n");
    printf("      -----\\n");
}

```

```

printf("\n");
another='Y';
while(another=='Y')
{
d:
printf("      Please Select the Staff to Whom You Wanted To Modify
(Eg:001=0,002=1,.....) - ");
scanf("%d",&modify_2);
printf("\n\n");
printf("      Before Modifying\n");
printf("\n");
printf("      ID Number - %s\n",doc_old[modify_2].id_no);
printf("      Name - %s\n",doc_old[modify_2].name);
printf("      Specialisation - %s\n",doc_old[modify_2].specialist);
printf("      Contact - %s\n",doc_old[modify_2].contact);
printf("\n");
for(int i=0;i<7;i++)
{
if(i==modify_2)
{
printf("      Please Select the Number for Respective Changing option (1-Name/2-
Specialisation/3-Contact) - ");
scanf("%d",&select_2);
switch(select_2)
{
case 1:
printf("\n");
printf("      Enter Correct Name - ");
scanf("%s",change_2);
strcpy(doc_old[i].name,change_2);
}
}
}
}

```

```

break;

case 2:
    printf("\n");
    printf("      Enter Correct Specialisation - ");
    scanf("%s",change_2);
    strcpy(doc_old[i].specialist,change_2);
    break;

case 3:
    printf("\n");
    printf("      Enter Correct Contact - ");
    scanf("%s",change_2);
    strcpy(doc_old[i].contact,change_2);
    break;

default:
    printf("\n");
    printf("      Invalid Entry");
}

printf("\n\n");
printf("      After Modifying\n");
printf("\n");

printf("      ID Number - %s\n",doc_old[modify_2].id_no);
printf("      Name - %s\n",doc_old[modify_2].name);
printf("      Specialisation - %s\n",doc_old[modify_2].specialist);
printf("      Contact - %s\n",doc_old[modify_2].contact);
printf("\n");

}

}

printf("\n      Do You Want to Modify More Staff Details ? (Yes/No) - ");
scanf("%s",modify_yes_no);

```

```

if(strcmp(modify_yes_no,"Yes")==0)
{
    printf("\n\n");
    goto d;
}
else
    main();
}

void LSTA()
{
    DOC_LIST();
    int return_2;
    printf("\n\n");
    printf("      -----\\n");
    printf("      Staff List\\n");
    printf("      -----\\n");
    for(int i=0;i<7;i++)
    {
        printf("\\n");
        printf("      ID Number - %s\\n",doc_old[i].id_no);
        printf("      Name - %s\\n",doc_old[i].name);
        printf("      Specialisation - %s\\n",doc_old[i].specialist);
        printf("      Contact - %s\\n",doc_old[i].contact);
        printf("\\n");
    }
    printf("\\n");
    printf("      Enter Any Number to Return to the Main Menu - ");
    scanf("%d",&return_2);
}

```

```

main();
}

void SSTA()
{
    DOC_LIST();
    char search_reg_2[K],another,search_yes_no[K];
    int count6=0;
    printf("\n\n\n");
    printf("      -----\\n");
    printf("      Searching Staff Details\\n");
    printf("      -----\\n");
    printf("\\n");
    another='Y';
    while(another=='Y')
    {
        ab:
        printf("      Please Enter the ID Number - ");
        scanf("%s",search_reg_2);
        for(int i=0;i<7;i++)
        {
            if(strcmp(search_reg_2,doc_old[i].id_no)==0)
            {
                printf("\\n");
                printf("      ID Number - %s\\n",doc_old[i].id_no);
                printf("      Name - %s\\n",doc_old[i].name);
                printf("      Specialisation - %s\\n",doc_old[i].specialist);
                printf("      Contact - %s\\n",doc_old[i].contact);
                break;
            }
        }
    }
}

```

```

    else
        count6++;
    }

    if(count6==7)
        printf("\n      ID Number Not Found");

    printf("\n");
    printf("\n      Do You Want to Search More Staff Details ? (Yes/No) - ");
    scanf("%s",search_yes_no);
    if(strcmp(search_yes_no,"Yes")==0)

    {
        printf("\n\n");
        goto ab;
    }

    else
        main();
    }

}

void INV()
{
    MED_LIST();

    char medicine[K],another,cost_yes_no[K];
    printf("\n\n\n");

    printf("      -----\\n");
    printf("      Welcome to Inventory\\n");
    printf("      -----\\n");
    printf("\\n");

    for(int i=0;i<20;i++)
    {
        printf("      Name - %s\\n",med[i].name);
    }
}

```

```

printf("      Price - %d\n",med[i].price);
printf("\n\n");
}

int sum=0,price;
another='Y';
while(another=='Y')
{
o:
printf("      Enter the Medicine Name - ");
scanf("%s",medicine);
for(int i=0;i<30;i++)
{
if(strcmp(medicine,med[i].name)==0)
{
printf("\n      Price - %d\n",med[i].price);
printf("\n      Enter the Quantity Required - ");
scanf("%d",&price);
sum+=med[i].price*price;
}
}
printf("\n");
printf("      =>Total Price - %d\n",sum);
printf("\n");

printf("\n      Do You Want to Buy More Medicine ? (Yes/No) - ");
scanf("%s",cost_yes_no);
if(strcmp(cost_yes_no,"Yes")==0)
{
printf("\n\n");
goto o;
}

```

```

    }

else

main();

}

}

void MOR()

{

char mo;

printf("\n\n\n");

printf("      -----\\n");

printf("      Welcome To Mortuary System\\n");

printf("      -----\\n");

printf("\\n");

printf("      1. New Entry\\n");

printf("      2. Display the List of Staffs\\n");

printf("      3. Search for Staff Details\\n");

printf("      4. Return to the Main Menu\\n");

printf("\\n");

printf("      Please Select Your Choice - ");

scanf("%s",&mo);

switch(mo)

{

case '1':

    NMOR();

    break;

case '2':

    LMOR();

    break;

case '3':
```

```

SMOR();
break;

case '4':
main();
break;

}

}

void NMOR()
{
MOR_LIST();

char entry_yes_no[K],another;
int count3;
printf("\n\n\n");

printf("      ----- \n");
printf("      Please Enter the Details\n");
printf("      ----- \n");
printf("\n");
another='Y';
while(another=='Y')
{
e:
printf("      Enter Registration Number - ");
scanf("%s",mor_new[count3].reg_no);
printf("      Enter Cabinet Number - ");
scanf("%s",mor_new[count3].cabinet_no);
printf("      Enter Name - ");
scanf("%s",mor_new[count3].name);
printf("      Enter Age - ");
scanf("%s",mor_new[count3].age);
}

```

```

printf("      Enter Gender (M/F/T) - ");
scanf("%s",mor_new[count3].gender);

printf("      Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - ");
scanf("%s",mor_new[count3].bloodgroup);

printf("      Enter Date (DD/MM/YYYY) - ");
scanf("%s",mor_new[count3].date);

printf("      Enter Time (HH:MM) - ");
scanf("%s",mor_new[count3].time);

count3++;

printf("\n\n");

printf("      Recent Entry in Mortuary");

printf("\n");

for(int i=0;i<(count3);i++)

{
    printf("\n");

    printf("      Registration Number - %s\n",mor_new[i].reg_no);
    printf("      Cabinet Number - %s\n",mor_new[i].cabinet_no);
    printf("      Name - %s\n",mor_new[i].name);
    printf("      Age - %s\n",mor_new[i].age);
    printf("      Gender - %s\n",mor_new[i].gender);
    printf("      Blood Group - %s\n",mor_new[i].bloodgroup);
    printf("      Date - %s\n",mor_new[i].date);
    printf("      Time - %s\n",mor_new[i].time);

    printf("\n");
}

printf("\n      Do You Want to Enter More Staff Details ? (Yes/No) - ");
scanf("%s",entry_yes_no);

if(strcmp(entry_yes_no,"Yes")==0)

{

```

```

printf("\n\n");
goto e;
}
else
main();
}

void LMOR()
{
MOR_LIST();
int return_3;
printf("\n\n\n");
printf("      -----\\n");
printf("      Mortuary List\\n");
printf("      -----\\n");
printf("\\n");
for(int i=0;i<5;i++)
{
printf("\\n");
printf("      Registration Number - %s\\n",mor_old[i].reg_no);
printf("      Cabinet Number - %s\\n",mor_old[i].cabinet_no);
printf("      Name - %s\\n",mor_old[i].name);
printf("      Age - %s\\n",mor_old[i].age);
printf("      Gender - %s\\n",mor_old[i].gender);
printf("      Blood Group - %s\\n",mor_old[i].bloodgroup);
printf("      Date - %s\\n",mor_old[i].date);
printf("      Time - %s\\n",mor_old[i].time);
printf("\\n");
}

```

```

printf("\n");
printf("      Enter Any Number to Return to the Main Menu - ");
scanf("%d",&return_3);
main();
}

void SMOR()
{
    MOR_LIST();
    char search_reg_3[K],another,search_yes_no[K];
    int count7=0;
    printf("\n\n\n");
    printf("-----\n");
    printf("      Searching Details of Respective Registration Number\n");
    printf("-----\n");
    printf("\n");
    another='Y';
    while(another=='Y')
    {
        ac:
        printf("      Please Enter the Registration Number - ");
        scanf("%s",search_reg_3);
        for(int i=0;i<5;i++)
        {
            if(strcmp(search_reg_3,mor_old[i].reg_no)==0)
            {
                printf("\n");
                printf("      Registration Number - %s\n",mor_old[i].reg_no);
                printf("      Cabinet Number - %s\n",mor_old[i].cabinet_no);
                printf("      Name - %s\n",mor_old[i].name);
            }
        }
    }
}

```

```

        printf("      Age - %s\n",mor_old[i].age);
        printf("      Gender - %s\n",mor_old[i].gender);
        printf("      Blood Group - %s\n",mor_old[i].bloodgroup);
        printf("      Date - %s\n",mor_old[i].date);
        printf("      Time - %s\n",mor_old[i].time);
        break;
    }
    else
        count7++;
}

if(count7==5)
    printf("      Registration Number Not Found");
printf("\n");
printf("\n      Do You Want to Search More Details ? (Yes/No) - ");
scanf("%s",search_yes_no);
if(strcmp(search_yes_no,"Yes")==0)
{
    printf("\n\n");
    goto ac;
}
else
    main();
}

void DAA()
{
    char fill_yes_no[K],another;
    another='Y';
    while(another=='Y')

```

```

{
int count4;
printf("\n\n\n");
printf("-----\n");
printf("      Welcome to Doctor Appointment Application System\n");
printf("-----\n");
printf("\n");
f:
printf("      ***Please Enter the Information Correctly***\n");
printf("\n");
printf("      Enter Name - ");
scanf("%s",app[count4].name);
printf("      Enter Gender (M/F/T) - ");
scanf("%s",app[count4].gender);
printf("      Enter Age - ");
scanf("%s",app[count4].age);
printf("      Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - ");
scanf("%s",app[count4].bloodgroup);
printf("      Enter Appointment For
(Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - ");
scanf("%s",app[count4].appointmentfor);

if(strcmp(app[count4].appointmentfor,"Cardiologist")==0)
{
    printf("\n      Doctor Appointed - Shashwat Prasad\n");
    printf("\n      Date - Upcoming Monday\n");
    printf("\n      Time - 08:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

```

```
else if(strcmp(app[count4].appointmentfor,"Gastroenterologist")==0)
{
    printf("\n      Doctor Appointed - Roshan Priyadarshi\n");
    printf("\n      Date - Upcoming Tuesday\n");
    printf("\n      Time - 09:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

else if(strcmp(app[count4].appointmentfor,"Psychiatrist")==0)
{
    printf("\n      Doctor Appointed - Sarthak Dwivedi\n");
    printf("\n      Date - Upcoming Wednesday\n");
    printf("\n      Time - 10:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

else if(strcmp(app[count4].appointmentfor,"Ophthalmologist")==0)
{
    printf("\n      Doctor Appointed - ASSVLY Yashwanth\n");
    printf("\n      Date - Upcoming Thursday\n");
    printf("\n      Time - 11:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

else if(strcmp(app[count4].appointmentfor,"Oncologist")==0)
{
    printf("\n      Doctor Appointed - Srikanth Vaka\n");
    printf("\n      Date - Upcoming Friday\n");
    printf("\n      Time - 16:00\n");
}
```

```

printf("\n");
printf("      Your Appointment is Confirmed\n");
}

else if(strcmp(app[count4].appointmentfor,"Pediatrician")==0)

{
    printf("\n      Doctor Appointed - Shivam\n");
    printf("\n      Date - Upcoming Saturday\n");
    printf("\n      Time - 17:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

else if(strcmp(app[count4].appointmentfor,"Neurologist")==0)

{
    printf("\n      Doctor Appointed - Nikhil Rajput\n");
    printf("\n      Date - Upcoming Sunday\n");
    printf("\n      Time - 18:00\n");
    printf("\n");
    printf("      Your Appointment is Confirmed\n");
}

else
{
    printf("\n      Sorry Doctor is Not Available\n");
    count4++;
    printf("\n");
    printf("\n      Do You Want to Fill More Application ? (Yes/No) - ");
    scanf("%s",fill_yes_no);
    if(strcmp(fill_yes_no,"Yes")==0)
    {
        printf("\n\n");
        goto f;
    }
}

```

```
}

else

main();

}

}

void END()

{

printf("\n\n\n");

printf("      Thank You For Coming\n");

printf("      We Hope to See You Soon\n");

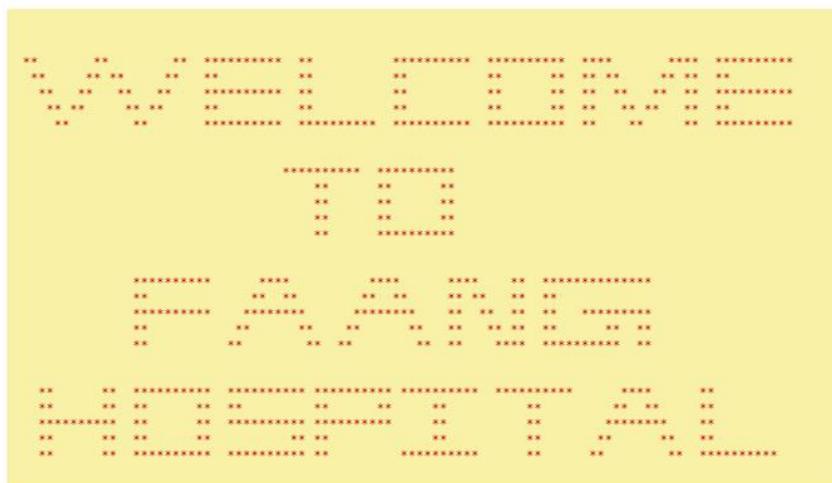
printf("\n");

exit(1);

}
```

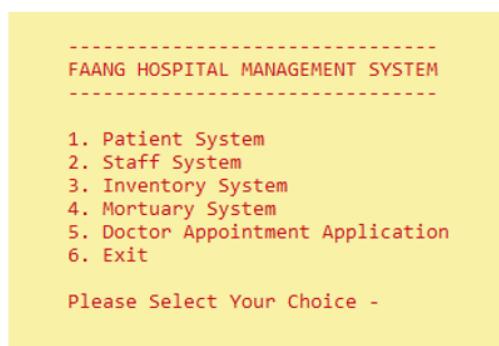
# RESULT & EXPLANATION

## Title of a Mini Project



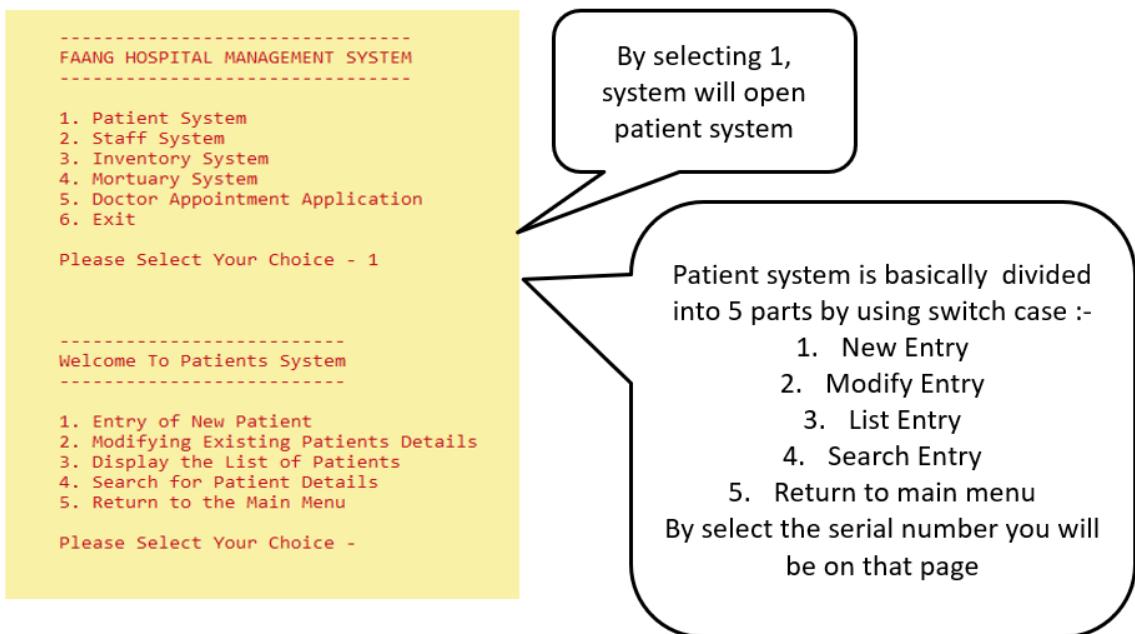
Color used is E4  
Background – E  
(Light Yellow)  
Text – 4 (Red)

## Main Menu

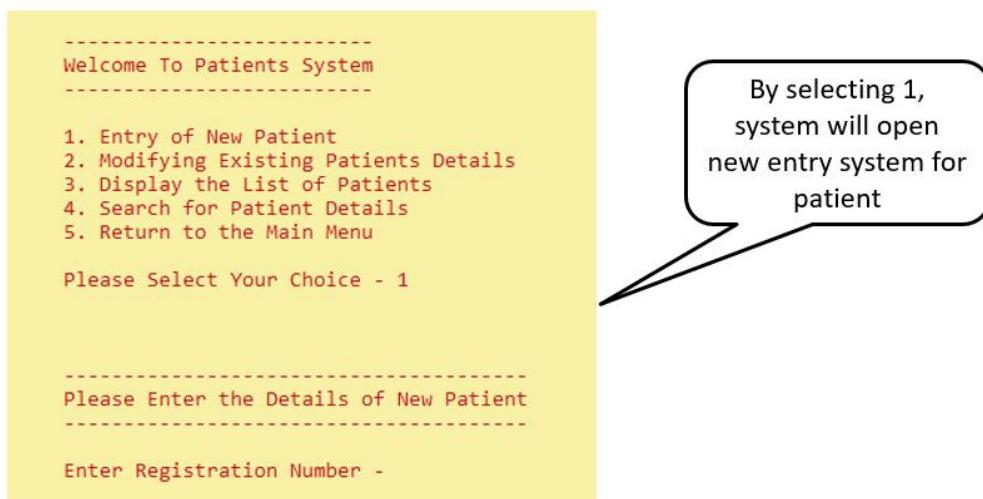


Menu main is basically divided into 6 parts by using switch case :-  
1. Patient system  
2. Staff system  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit  
By select the serial number you will be on that page

# Patient System



## New Entry in Patient System



-----  
Please Enter the Details of New Patient  
-----

Enter Registration Number - 581  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Admitted In (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist

=>Doctor Appointed - Shashwat Prasad

Enter Date of Admit (DD/MM/YYYY) - 17/01/2022  
Enter Time of Admit (HH:MM) - 02:00

Now, one by one you  
must enter all the  
details of the patient

Doctor will be  
assigning you  
directly according to  
the specialization

-----  
Please Enter the Details of New Patient  
-----

Enter Registration Number - 581  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Admitted In (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist

=>Doctor Appointed - Shashwat Prasad

Enter Date of Admit (DD/MM/YYYY) - 17/01/2022  
Enter Time of Admit (HH:MM) - 02:00

New Patient Details :-  
Registration Number - 581  
Name - Dr.M.Shobana  
Gender - F  
Age - 30  
Blood Group - A+  
Admitted In - Cardiologist  
Date - 17/01/2022  
Time - 02:00

Once you entered all  
the details, system  
will show all the  
details entered

Please Enter the Details of New Patient

Enter Registration Number - 581  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+

Enter Admitted In (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist

=>Doctor Appointed - Shashwat Prasad

Enter Date of Admit (DD/MM/YYYY) - 17/01/2022  
Enter Time of Admit (HH:MM) - 02:00

New Patient Details :-

Registration Number - 581  
Name - Dr.M.Shobana  
Gender - F  
Age - 30  
Blood Group - A+  
Admitted In - Cardiologist  
Date - 17/01/2022  
Time - 02:00

Do You Want to Enter More Patient Details ? (Yes/No) -

After all this system  
will ask whether you  
want to enter more  
new patient details

Please Enter the Details of New Patient

Enter Registration Number - 581  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+

Enter Admitted In (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist

=>Doctor Appointed - Shashwat Prasad

Enter Date of Admit (DD/MM/YYYY) - 17/01/2022

Enter Time of Admit (HH:MM) - 02:00

New Patient Details :-

Registration Number - 581  
Name - Dr.M.Shobana  
Gender - F  
Age - 30  
Blood Group - A+  
Admitted In - Cardiologist  
Date - 17/01/2022  
Time - 02:00

Do You Want to Enter More Patient Details ? (Yes/No) - Yes

Enter Registration Number -

If you enter yes, it will again  
show you to enter details of  
new patient

-----  
Please Enter the Details of New Patient  
-----

Enter Registration Number - 581  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Admitted In (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist  
=>Doctor Appointed - Shashwat Prasad  
Enter Date of Admit (DD/MM/YYYY) - 17/01/2022  
Enter Time of Admit (HH:MM) - 02:00

New Patient Details :-  
Registration Number - 581  
Name - Dr.M.Shobana  
Gender - F  
Age - 30  
Blood Group - A+  
Admitted In - Cardiologist  
Date - 17/01/2022  
Time - 02:00

Do You Want to Enter More Patient Details ? (Yes/No) - No

\*\*\*\*\* Welcome To Patients System \*\*\*\*\*

Activate  
Go to Setting

If you enter no,  
then it will go to  
main menu

## Modify Entry in Patient System

-----  
Welcome To Patients System  
-----

1. Entry of New Patient  
2. Modifying Existing Patients Details  
3. Display the List of Patients  
4. Search for Patient Details  
5. Return to the Main Menu

Please Select Your Choice - 2

-----  
Modifying Details of a Patient  
-----

Please Select the Patient to Whom You Wanted To Modify (Eg:551=0,552=1,.....) -

By selecting 2,  
system will open  
modify entry system  
for patient

Welcome To Patients System  
-----  
1. Entry of New Patient  
2. Modifying Existing Patients Details  
3. Display the List of Patients  
4. Search for Patient Details  
5. Return to the Main Menu

Please Select Your Choice - 2

-----  
Modifying Details of a Patient  
-----

Please Select the Patient to Whom You Wanted To Modify (Eg:551=0,552=1,.....) - 3

Before Modifying

Registration Number - 554  
Name - Aryan Chaudhary  
Gender - F  
Age - 78  
Blood Group - AB-  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 12/06/2018  
Time - 05:30

Please Select the Number for Respective Changing option (1-Name/2-Gender/3-Age/4-Blood Group/5-Date/6-Time) -

When you enter serial number of respective registration number it will automatically display all the details of that patient

-----  
Modifying Details of a Patient  
-----

Please Select the Patient to Whom You Wanted To Modify (Eg:551=0,552=1,.....) - 3

Before Modifying

Registration Number - 554  
Name - Aryan Chaudhary  
Gender - F  
Age - 78  
Blood Group - AB-  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 12/06/2018  
Time - 05:30

Please Select the Number for Respective Changing option (1-Name/2-Gender/3-Age/4-Blood Group/5-Date/6-Time) - 2

Enter Correct Gender (M/F/T) - M

After Modifying

Registration Number - 554  
Name - Aryan Chaudhary  
Gender - M  
Age - 78  
Blood Group - AB-  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 12/06/2018  
Time - 05:30

Do You Want to Modify More Patient Details ? (Yes/No) -

Now by selecting the modifying part by selecting number like  
1. Name  
2. Gender  
3. Age  
4. Blood Group  
5. Date  
6. Time

Then you can modify that entry and save as it will display all the details after modifying

-----  
Modifying Details of a Patient  
-----

Please Select the Patient to Whom You Wanted To Modify (Eg:551=0,552=1,.....) - 3

Before Modifying

Registration Number - 554  
Name - Aryan Chaudhary  
Gender - F  
Age - 78  
Blood Group - AB-  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 12/06/2018  
Time - 05:30

Please Select the Number for Respective Changing option (1-Name/2-Gender/3-Age/4-Blood Group/5-Date/6-Time) - 2

Enter Correct Gender (M/F/T) - M

After Modifying

Registration Number - 554  
Name - Aryan Chaudhary  
Gender - M  
Age - 78  
Blood Group - AB  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 12/06/2018  
Time - 05:30

Do You Want to Modify More Patient Details ? (Yes/No) -

Now again it will ask whether we want to enter more entry

## Listing Entry in Patient System

-----  
Welcome To Patients System  
-----

1. Entry of New Patient
2. Modifying Existing Patients Details
3. Display the List of Patients
4. Search for Patient Details
5. Return to the Main Menu

Please Select Your Choice - 3

-----  
Patients List  
-----

Registration Number - 551  
Name - Pratham Agarwalla  
Gender - M  
Age - 23  
Blood Group - A+  
Admitted In - Ophthalmologist  
Doctor Appointed - ASSVLY Yashwanth  
Date - 09/01/2018  
Time - 11:52

Registration Number - 552  
Name - Anshuman Singh  
Gender - M  
Age - 12  
Blood Group - O+

By selecting 3, system will open list entered system for patient

```
Registration Number - 580
Name - Prachi
Gender - F
Age - 50
Blood Group - B+
Admitted In - Psychiatrist
Doctor Appointed - Sarthak Dwivedi
Date - 19/12/2021
Time - 12:00
```

Enter Any Number to Return to the Main Menu - 1

```
***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****  
***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****  
***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****  
***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****
```

When you see all the details from the list, It will ask you to enter any number that will send you to main menu

## Search Entry in Patient System

Welcome To Patients System

1. Entry of New Patient
2. Modifying Existing Patients Details
3. Display the List of Patients
4. Search for Patient Details
5. Return to the Main Menu

Please Select Your Choice - 4

By selecting 4, system will open search system for patient

-----  
Searching of Patient Details  
-----

Please Enter the Registration Number -

-----  
Welcome To Patients System  
-----

1. Entry of New Patient
2. Modifying Existing Patients Details
3. Display the List of Patients
4. Search for Patient Details
5. Return to the Main Menu

Please Select Your Choice - 4

-----  
Searching of Patient Details  
-----

Please Enter the Registration Number - 580

Name - Prachi  
Gender - F  
Age - 50  
Blood Group - B+  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 19/12/2021  
Time - 12:00

Do You Want to Search More Patient Details ? (Yes/No) -

Just by entering the registration number, system will automatically show all the details of that patient

-----  
Welcome To Patients System  
-----

1. Entry of New Patient
2. Modifying Existing Patients Details
3. Display the List of Patients
4. Search for Patient Details
5. Return to the Main Menu

Please Select Your Choice - 4

-----  
Searching of Patient Details  
-----

Please Enter the Registration Number - 580

Name - Prachi  
Gender - F  
Age - 50  
Blood Group - B+  
Admitted In - Psychiatrist  
Doctor Appointed - Sarthak Dwivedi  
Date - 19/12/2021  
Time - 12:00

Do You Want to Search More Patient Details ? (Yes/No) -

Now again it will ask whether we want to enter more entry

## Return to main menu from Patient System

```
-----  
FAANG HOSPITAL MANAGEMENT SYSTEM  
-----  
1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit  
  
Please Select Your Choice - 1  
  
-----  
Welcome To Patients System  
-----  
1. Entry of New Patient  
2. Modifying Existing Patients Details  
3. Display the List of Patients  
4. Search for Patient Details  
5. Return to the Main Menu  
  
Please Select Your Choice - 5  
  
*****  
*****
```

By selecting ,  
system will return  
you to main menu  
from patient system

## Staff System

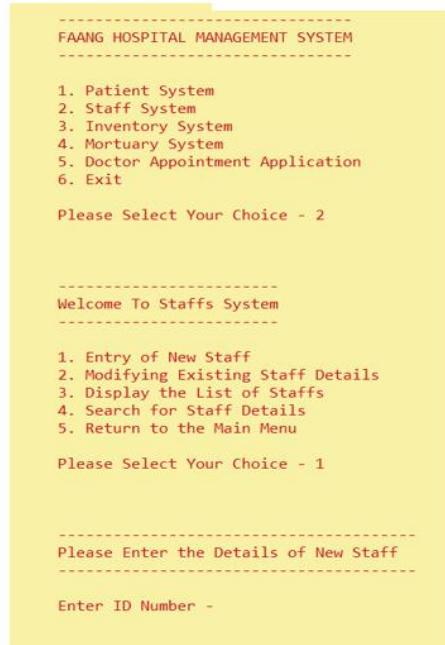
```
-----  
FAANG HOSPITAL MANAGEMENT SYSTEM  
-----  
1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit  
  
Please Select Your Choice - 2  
  
-----  
Welcome To Staffs System  
-----  
1. Entry of New Staff  
2. Modifying Existing Staff Details  
3. Display the List of Staffs  
4. Search for Staff Details  
5. Return to the Main Menu  
  
Please Select Your Choice -
```

By selecting 2,  
system will open  
staff system

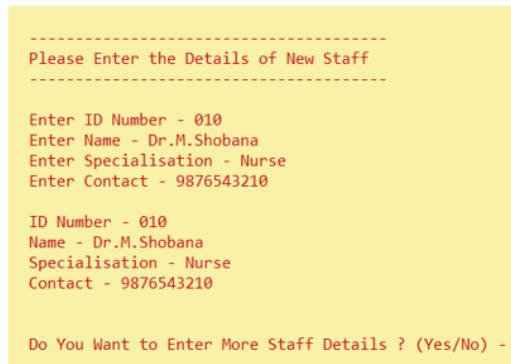
Staff system is basically divided  
into 5 parts by using switch case :-

1. New Entry
  2. Modify Entry
  3. List Entry
  4. Search Entry
  5. Return to main menu
- By select the serial number you will  
be on that page

## New Entry in Staff List



By selecting 1,  
system will open  
new entry system for  
staff



Just by enter data  
one by one, after last  
entry system will  
automatically display  
of that staff

-----  
Please Enter the Details of New Staff  
-----

Enter ID Number - 010  
Enter Name - Dr.M.Shobana  
Enter Specialisation - Nurse  
Enter Contact - 9876543210

ID Number - 010  
Name - Dr.M.Shobana  
Specialisation - Nurse  
Contact - 9876543210

Do You Want to Enter More Staff Details ? (Yes/No) -

Now again it  
will ask  
whether we  
want to enter  
more entry

## Modify Entry in Staff System

-----  
Welcome To Staffs System  
-----

1. Entry of New Staff
2. Modifying Existing Staff Details
3. Display the List of Staffs
4. Search for Staff Details
5. Return to the Main Menu

Please Select Your Choice - 2

-----  
Modifying Details of a Staff  
-----

Please Select the Staff to Whom You Wanted To Modify (Eg:001=0,002=1,.....) -

By selecting 2,  
system will open  
modify entry system  
for staff

```
Welcome To Staffs System
-----
1. Entry of New Staff
2. Modifying Existing Staff Details
3. Display the List of Staffs
4. Search for Staff Details
5. Return to the Main Menu

Please Select Your Choice - 2

-----
Modifying Details of a Staff

Please Select the Staff to Whom You Wanted To Modify (Eg:001=0,002=1,.....) - 0

Before Modifying

ID Number - 001
Name - Shashwat Prasad
Specialisation - Cardiologist
Contact - 0123456789

Please Select the Number for Respective Changing option (1-Name/2-Specialisation/3-Contact) -
```

Just entering the index number of respective ID number, it will show complete details before modify

```
Welcome To Staffs System
-----
1. Entry of New Staff
2. Modifying Existing Staff Details
3. Display the List of Staffs
4. Search for Staff Details
5. Return to the Main Menu

Please Select Your Choice - 2

-----
Modifying Details of a Staff

Please Select the Staff to Whom You Wanted To Modify (Eg:001=0,002=1,.....) - 0

Before Modifying

ID Number - 001
Name - Shashwat Prasad
Specialisation - Cardiologist
Contact - 0123456789

Please Select the Number for Respective Changing option (1-Name/2-Specialisation/3-Contact) - 1

Enter Correct Name - Prasad Shashwat

After Modifying

ID Number - 001
Name - Prasad
Specialisation - Cardiologist
Contact - 0123456789

Do You Want to Modify More Staff Details ? (Yes/No) -
```

By selecting the number for which you want to correct and entering the new details

Just entering new enter system will show details after modify

```

-----
Welcome To Staffs System
-----

1. Entry of New Staff
2. Modifying Existing Staff Details
3. Display the List of Staffs
4. Search for Staff Details
5. Return to the Main Menu

Please Select Your Choice - 2

-----
Modifying Details of a Staff
-----

Please Select the Staff to Whom You Wanted To Modify (Eg:001=0,002=1,....) - 0

Before Modifying

ID Number - 001
Name - Shashwat Prasad
Specialisation - Cardiologist
Contact - 0123456789

Please Select the Number for Respective Changing option (1-Name/2-Specialisation/3-Contact) - 1

Enter Correct Name - Prasad Shashwat

After Modifying

ID Number - 001
Name - Prasad
Specialisation - Cardiologist
Contact - 0123456789

Do You Want to Modify More Staff Details ? (Yes/No) -

```

Now again it will ask whether we want to enter more entry

## Listing Entry in Staff System

```

FAANG HOSPITAL MANAGEMENT SYSTEM
-----
1. Patient System
2. Staff System
3. Inventory System
4. Mortuary System
5. Doctor Appointment Application
6. Exit

Please Select Your Choice - 2

-----
Welcome To Staffs System
-----

1. Entry of New Staff
2. Modifying Existing Staff Details
3. Display the List of Staffs
4. Search for Staff Details
5. Return to the Main Menu

Please Select Your Choice - 3

-----
Staff List
-----

ID Number - 001
Name - Shashwat Prasad
Specialisation - Cardiologist
Contact - 0123456789

ID Number - 002
Name - Roshan Priyadarshi
Specialisation - Gastroenterologist
Contact - 1234567890

ID Number - 003
Name - Sarthak Dwivedi

```

By selecting 3, system will open list entered system for staff

```
ID Number - 003
Name - Sarthak Dwivedi
Specialisation - Psychiatrist
Contact - 2345678901

ID Number - 004
Name - ASSVLY Yashwanth
Specialisation - Ophthalmologist
Contact - 3456789012

ID Number - 005
Name - Srikanth Vaka
Specialisation - Oncologist
Contact - 4567890123

ID Number - 006
Name - Shivaam
Specialisation - Pediatrician
Contact - 5678901234

ID Number - 007
Name - Nikhil Rajput
Specialisation - Neurologist
Contact - 6789012345

Enter Any Number to Return to the Main Menu - 1

** * * * * ***** * * * * * ***** * * * * * ***** * * * * *
```

When you see all the details from the list, It will ask you to enter any number that will send you to main menu

## Search Entry in Staff System

```
-----  
Welcome To Staffs System  
-----  
  
1. Entry of New Staff  
2. Modifying Existing Staff Details  
3. Display the List of Staffs  
4. Search for Staff Details  
5. Return to the Main Menu  
  
Please Select Your Choice - 4  
  
-----  
Searching Staff Details  
-----  
  
Please Enter the ID Number -
```

By selecting 4, system will open search system for staff

```
Welcome To Staffs System  
-----  
1. Entry of New Staff  
2. Modifying Existing Staff Details  
3. Display the List of Staffs  
4. Search for Staff Details  
5. Return to the Main Menu  
  
Please Select Your Choice - 4  
  
-----  
Searching Staff Details  
-----  
  
Please Enter the ID Number - 002  
  
ID Number - 002  
Name - Roshan Priyadarshi  
Specialisation - Gastroenterologist  
Contact - 1234567890  
  
Do You Want to Search More Staff Details ? (Yes/No) -
```

Just by entering the ID number, system will automatically show all the details of that staff

```
Welcome To Staffs System  
-----  
1. Entry of New Staff  
2. Modifying Existing Staff Details  
3. Display the List of Staffs  
4. Search for Staff Details  
5. Return to the Main Menu  
  
Please Select Your Choice - 4  
  
-----  
Searching Staff Details  
-----  
  
Please Enter the ID Number - 002  
  
ID Number - 002  
Name - Roshan Priyadarshi  
Specialisation - Gastroenterologist  
Contact - 1234567890  
  
Do You Want to Search More Staff Details ? (Yes/No) -
```

Now again it will ask whether we want to enter more entry

## Return to main menu from Staff System

---

**FAANG HOSPITAL MANAGEMENT SYSTEM**

---

1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit

Please Select Your Choice - 2

---

Welcome To Staffs System

---

1. Entry of New Staff  
2. Modifying Existing Staff Details  
3. Display the List of Staffs  
4. Search for Staff Details  
5. Return to the Main Menu

Please Select Your Choice - 5

---

\*\*      \*\*      \*\*      \*\*\*\*\*      \*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*      \*\*\*\*\*  
\*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*  
\*\*      \*\*      \*\*      \*\*\*\*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*  
\*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*      \*\*  
\*\*      \*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*      \*\*      \*\*

By selecting ,  
system will return  
you to main menu  
from patient system

# Inventory System

**FAANG HOSPITAL MANAGEMENT SYSTEM**

---

1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit

Please Select Your Choice - 3

---

Welcome to Inventory

---

Name - Amlodipine  
Price - 30

Name - Atenolol  
Price - 58

Name - Pantoprazole  
Price - 100

Name - Domperidone  
Price - 280

Name - Trazadone  
Price - 25

By selecting 2,  
system will open  
staff system

It will display all the medicine name and price

Name - Methaphor  
Price - 9

Name - Amoxicillin  
Price - 6

Enter the Medicine Name -

Now you must enter  
medicine name from  
above list

Enter the Medicine Name - Paracetamol

Price - 2

Enter the Quantity Required - 50

=>Total Price - 100

Do You Want to Buy More Medicine ? (Yes/No) -

Just after entering the  
name, it will show the  
medicine price

Now it will ask for  
quantity required, just  
after that it will show  
the total price

Enter the Medicine Name - Paracetamol

Price - 2

Enter the Quantity Required - 50

=>Total Price - 100

Do You Want to Buy More Medicine ? (Yes/No) -

Now system will ask whether  
you want to add more  
medicine

Enter the Medicine Name - Paracetamol

Price - 2

Enter the Quantity Required - 50

=>Total Price - 100

Do You Want to Buy More Medicine ? (Yes/No) - Yes

Enter the Medicine Name - Amoxicillin

Price - 6

Enter the Quantity Required - 20

=>Total Price - 220

Do You Want to Buy More Medicine ? (Yes/No) -

If yes for more medicine,  
you must enter more  
medicine name and price

Total sum will be added of  
all the medicine

Enter the Medicine Name - Paracetamol

Price - 2

Enter the Quantity Required - 50

=>Total Price - 100

Do You Want to Buy More Medicine ? (Yes/No) - Yes

Enter the Medicine Name - Amoxicillin

Price - 6

Enter the Quantity Required - 20

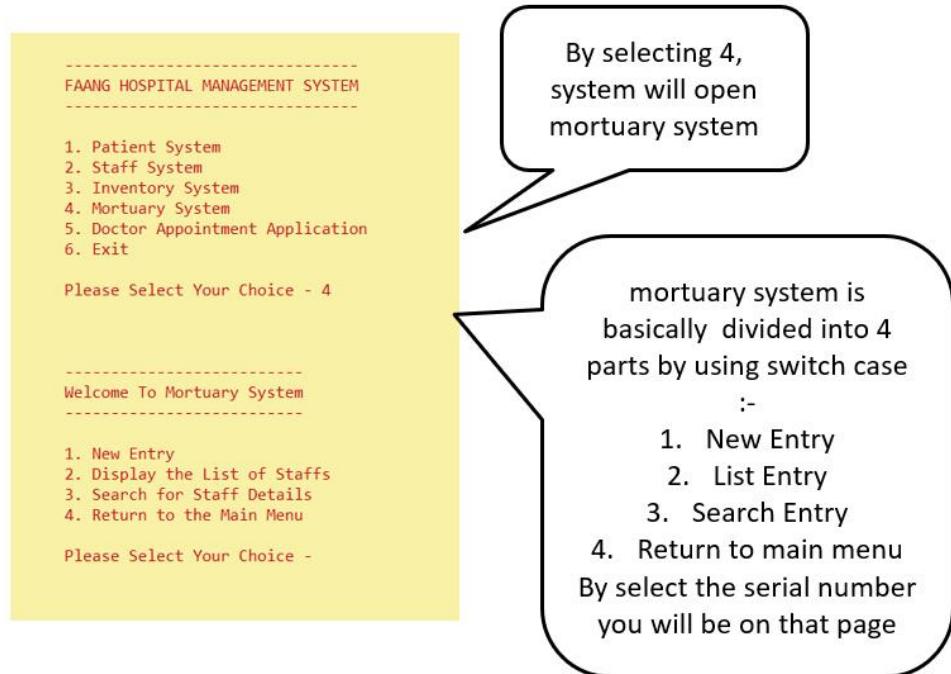
=>Total Price - 220

Do You Want to Buy More Medicine ? (Yes/No) - No

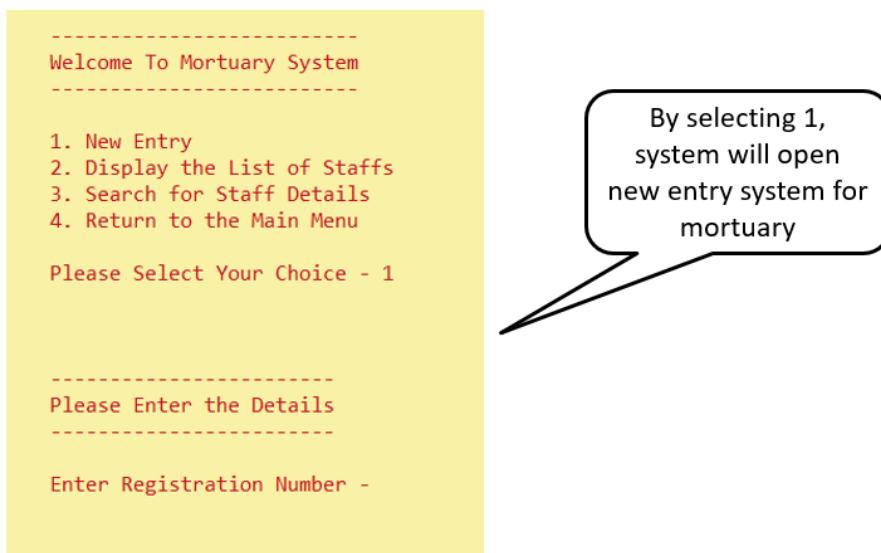
If no, then you will  
be return to the  
main menu

\*\*\*\*\*  
\*\*\* \*\*\* \*\* \*\*\*\*\* \*\*\* \*\*\*\*\*  
\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*\*\* \*\*\* \*\*\*  
\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*  
\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

# Mortuary System



## New Entry in Mortuary List



-----  
Please Enter the Details  
-----

Enter Registration Number - 575  
Enter Cabinet Number - 009  
Enter Name - Dr.M.Shobana  
Enter Age - 30  
Enter Gender (M/F/T) - F  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Date (DD/MM/YYYY) - 22/01/2022  
Enter Time (HH:MM) - 02:30

Recent Entry in Mortuary

Registration Number - 575  
Cabinet Number - 009  
Name - Dr.M.Shobana  
Age - 30  
Gender - F  
Blood Group - A+  
Date - 22/01/2022  
Time - 02:30

Do You Want to Enter More Staff Details ? (Yes/No) -

Just by enter data  
one by one, after last  
entry system will  
automatically display  
details

-----  
Please Enter the Details  
-----

Enter Registration Number - 575  
Enter Cabinet Number - 009  
Enter Name - Dr.M.Shobana  
Enter Age - 30  
Enter Gender (M/F/T) - F  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Date (DD/MM/YYYY) - 22/01/2022  
Enter Time (HH:MM) - 02:30

Recent Entry in Mortuary

Registration Number - 575  
Cabinet Number - 009  
Name - Dr.M.Shobana  
Age - 30  
Gender - F  
Blood Group - A+  
Date - 22/01/2022  
Time - 02:30

Do You Want to Enter More Staff Details ? (Yes/No) -

Now again it  
will ask  
whether we  
want to  
enter more  
entry

## Listing Entry in Mortuary System

```
-----  
Welcome To Mortuary System  
-----  
  
1. New Entry  
2. Display the List of Staffs  
3. Search for Staff Details  
4. Return to the Main Menu  
  
Please Select Your Choice - 2  
  
-----  
Mortuary List  
-----  
  
Registration Number - 289  
Cabinet Number - 01  
Name - Hitler  
Age - 68  
Gender - M  
Blood Group - O-  
Date - 15/09/2017  
Time - 15:47  
  
Registration Number - 299  
Cabinet Number - 02  
Name - Napoleon
```

By selecting 2,  
system will open list  
entered system for  
mortuary

```
Registration Number - 366  
Cabinet Number - 04  
Name - Scarlet Johansson  
Age - 25  
Gender - F  
Blood Group - B+  
Date - 25/09/2018  
Time - 22:58  
  
Registration Number - 508  
Cabinet Number - 05  
Name - Zeenat Khalifa  
Age - 32  
Gender - F  
Blood Group - O-  
Date - 05/10/2018  
Time - 12:25  
  
Enter Any Number to Return to the Main Menu - 1
```

```
**      **      ** *****      **      *****      *****      ***      *****  
**      ** **      **      **      **      **      **      **      **      **  
**      ** **      *****      **      **      **      **      **      **      **  
**      ** **      **      **      **      **      **      **      **      **  
**      **      *****      *****      *****      **      **      **      **
```

When you see  
all the details  
from the list,  
It will ask you  
to enter any  
number that  
will send you  
to main menu

# Search Entry in Mortuary System

-----  
FAANG HOSPITAL MANAGEMENT SYSTEM  
-----

1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit

Please Select Your Choice - 4

-----  
Welcome To Mortuary System  
-----

1. New Entry  
2. Display the List of Staffs  
3. Search for Staff Details  
4. Return to the Main Menu

Please Select Your Choice - 3

-----  
Searching Details of Respective Registration Number  
-----

Please Enter the Registration Number -

By selecting 3,  
system will open  
search system for  
mortuary

-----  
Welcome To Mortuary System  
-----

1. New Entry  
2. Display the List of Staffs  
3. Search for Staff Details  
4. Return to the Main Menu

Please Select Your Choice - 3

-----  
Searching Details of Respective Registration Number  
-----

Please Enter the Registration Number - 508

Registration Number - 508  
Cabinet Number - 05  
Name - Zeenat Khalifa  
Age - 32  
Gender - F  
Blood Group - O-  
Date - 05/10/2018  
Time - 12:25

Do You Want to Search More Details ? (Yes/No) -

Just by entering the  
registration number, system  
will automatically show all  
the details

```

-----  

Welcome To Mortuary System  

-----  

1. New Entry  

2. Display the List of Staffs  

3. Search for Staff Details  

4. Return to the Main Menu  

Please Select Your Choice - 3  

-----  

Searching Details of Respective Registration Number  

-----  

Please Enter the Registration Number - 508  

Registration Number - 508  

Cabinet Number - 05  

Name - Zeenat Khalifa  

Age - 32  

Gender - F  

Blood Group - O-  

Date - 05/10/2018  

Time - 12:25  

Do You Want to Search More Details ? (Yes/No) -

```

Now again it will ask whether we want to enter more entry

## Return to main menu from Mortuary System

```

-----  

FAANG HOSPITAL MANAGEMENT SYSTEM  

-----  

1. Patient System  

2. Staff System  

3. Inventory System  

4. Mortuary System  

5. Doctor Appointment Application  

6. Exit  

Please Select Your Choice - 4  

-----  

Welcome To Mortuary System  

-----  

1. New Entry  

2. Display the List of Staffs  

3. Search for Staff Details  

4. Return to the Main Menu  

Please Select Your Choice - 4  

-----  

***      **      ** *****      **      *****      *****      ***      *****  

**      ***      **      **      **      **      **      ***      ***      ***  

**      **      **      ***      ***      **      **      ***      ***      ***  

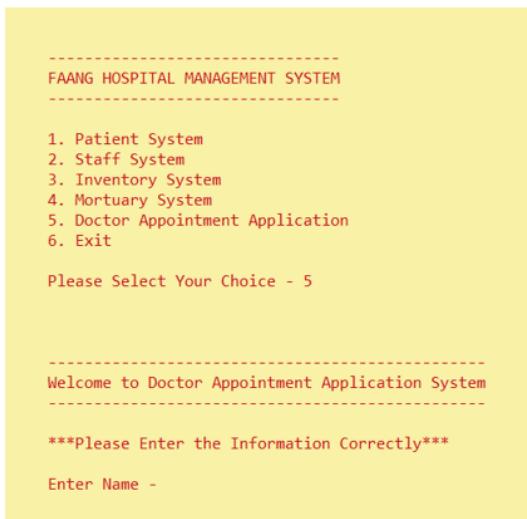
**      **      ***      **      **      **      **      ***      ***      ***  

**      **      *****      *****      *****      *****      **      **      ****

```

By selecting , system will return you to main menu from patient system

# Doctor Appointment Application



By selecting 5,  
system will open  
doctor appointment  
application system



By enter the details, system  
will automatically display  
the doctor appointed, date,  
time

```
Welcome to Doctor Appointment Application System  
-----  
***Please Enter the Information Correctly***  
  
Enter Name - Dr.M.Shobana  
Enter Gender (M/F/T) - F  
Enter Age - 30  
Enter Blood Group (A+/A-/B+/B-/O+/O-/AB+/AB-) - A+  
Enter Appointment For (Cardiologist/Gastroenterologist/Psychiatrist/Ophthalmologist/Oncologist/Pediatrician/Neurologist) - Cardiologist  
  
Doctor Appointed - Shashwat Prasad  
  
Date - Upcoming Monday  
  
Time - 08:00  
  
Your Appointment is Confirmed  
  
Do You Want to Fill More Application ? (Yes/No) -
```

Now again it will ask whether we want to enter more entry

## End the Program

```
-----  
FAANG HOSPITAL MANAGEMENT SYSTEM  
-----  
1. Patient System  
2. Staff System  
3. Inventory System  
4. Mortuary System  
5. Doctor Appointment Application  
6. Exit  
  
Please Select Your Choice - 6  
  
Thank You For Coming  
We Hope to See You Soon  
  
Process returned 1 (0x1) execution time : 11.248 s  
Press any key to continue.
```

By selecting 6, system will exit the program by giving a sweet note

# REFERENCES

- CodeChef
- JavaTpoint
- W3 School
- Greekworld
- VS Code
- Code Block
- Stack exchange

**THANK  
YOU**