



Northern University Bangladesh

Department: Computer Science & Engineering

Subject: Software Development-1

Course Code: CSE-1290

Lab Project Report

Project Title

Hospital Management System

Submission Date: 14/ 07/2025

Submitted By	Submitted To
Student ID:2231-2308-2260	Name: Tasfia Tabassum Faija
Name: Ashik - Sasek- Rakib	Lecturer
Semester:2 nd Section:2C	Department of CSE
Department: ECSE	Northern University Bangladesh
Northern University Bangladesh	

Software Development 1 Lab Project Report

Institute Name: Northern University Bangladesh

Course: Software Development 1

Project Title: Hospital Management System

Date of Submission: **12 July 2025**

Group Members:

Name	Student ID
Md. Ashik Pk	42250102231
Sasek Molla	42250102308
Rakib Hosen	42250102260

Submitted To:

Tasfia Tabassum Faija
Lecturer, Department of CSE
Northern University Bangladesh

Introduction

A Software system to manage hospital operations:

- Patient registration
- Doctor assignment
- Report generation

Objectives

- Store patient data
- Assign doctors
- Generate reports
- Ensure accuracy

Input Fields

- Patient Name :
- Patient ID :
- Patient Address :
- Mobile Number :
- Doctor Name :
- Submit :

C Program Code

```
#include <stdio.h>
```

```
struct Patient {  
    char name[100];  
    int id;  
    char address[200];  
    char mobile[20];  
    char doctor[100];  
};
```

```
int main() {  
    struct Patient p;  
  
    printf("----- Hospital Management System -----\\n");  
    printf("Enter Patient Name: ");
```

```

fgets(p.name, sizeof(p.name), stdin);
printf("Enter Patient ID: ");
scanf("%d", &p.id);
getchar();
printf("Enter Patient Address: ");
fgets(p.address, sizeof(p.address), stdin);
printf("Enter Patient Mobile Number: ");
fgets(p.mobile, sizeof(p.mobile), stdin);
printf("Enter Doctor Name: ");
fgets(p.doctor, sizeof(p.doctor), stdin);
    printf("\n--- Submitted Successfully! ---\n");
    printf("\n----- Patient Details -----\n");
printf("Name      : %s", p.name);
printf("ID        : %d\n", p.id);
printf("Address    : %s", p.address);
printf("Mobile No. : %s", p.mobile);
printf("Doctor Name : %s", p.doctor);

return 0;
}

```

Sample Output

-----Pariente Report-----

Name : Ashik
ID : 2231
Address : Dhaka
Mobile :01740319423
Doctor : Dr.

Final Output

Compile Result

```
----- Hospital Management System -----  
Enter Patient Name: 
```

Compile Result

```
----- Hospital Management System -----  
Enter Patient Name: Ashik  
Enter Patient ID: 2231  
Enter Patient Address: Dhaka  
Enter Patient Mobile Number: 01740319423  
Enter Doctor Name: Dr. 
```

Compile Result

```
----- Hospital Management System -----  
Enter Patient Name: Ashik  
Enter Patient ID: 2231  
Enter Patient Address: Dhaka  
Enter Patient Mobile Number: 01740319423  
Enter Doctor Name: Dr.  
  
--- Submitted Successfully! ---  
  
----- Patient Details -----  
Name           : Ashik  
ID             : 2231  
Address        : Dhaka  
Mobile No.     : 01740319423  
Doctor Name    : Dr.  
  
[Process completed - press Enter]
```

Future Scope

- Add multiple patient support
- Save to file/database
- GUI interface
- Asmin login system

Conclusion

- Easy hospital data management

- Real-time reporting
- Good for beginners in C

References

- Code::Blocks
- WWW.Google.com
- ChatGPT
- WWW.YouTube.com

GitHub Repository

- ❖ <https://github.com/ashik26518/Hospital-Management-System.git>