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**Faculty of Computer Science & Information
Technology University of Gujrat**



```
#include<iostream>
#include<fstream>
#include<cstdlib>
#include<conio.h>
#include<time.h>
#include<iomanip>
```

```
using namespace std;
int main()
```

```
//NOTE: RUN THE PROGRAM IN FULL SCREEN ONLY
```

```
{
char fname[20];
time_t rawtime;
struct tm * timeinfo;
```

```
time ( &rawtime );
timeinfo = localtime ( &rawtime );
```

```
//printing the welcome note
re:
;
```

```
cout<<"|                WELCOME TO                |";
cout<<"|                                |";
cout<<"|                HOSPITAL MANAGEMENT SYSTEM                |";
cout<<"|                                |";
```

```
system("pause");
system("cls");
```

```
int i;
int login();
login();
//giving option to the user for their choice
b:
cout<<" Patient Report management in Hospital ";
```

```

cout<<"Please, Choose from the following Options:";
cout<<"_____";
cout<<"|";
cout<<"1 >> Add New Patient Record |";
cout<<"2 >> Add Diagnosis Information |";
cout<<"3 >> Full History of the Patient |";
cout<<"4 >> Information About the Hospital |";
cout<<"5 >> Exit the Program |";
cout<<"7 >> Delete Patient Record |";
cout<<"6 >> Update Patient Record |";
cout<<"_____";
a:cout<<"Enter your choice: ";cin>>i;
if(i>7||i<1){cout<<"Invalid Choice";cout<<"Try again.....";goto a;} //if inputted choice is
other than given choice

```

```

system("cls");

```

```

//displaying the information about the hospital.....option 4
if(i==4)
{
ifstream file;
file.open("hos.txt");
if(!file)
{
cout<<"Error while opening the file";goto b;
}
else
{
cout<<" .....Information about the Patient.....";
string line;
while(file.good())
{
getline(file,line);
cout<<line<<"\n";
}
cout<<"\n";
system("pause");
system("cls");
goto b;
}
}

```

```

//Adding the record of the new patient.....option 3
if(i==1)
{
time_t rawtime;
struct tm * timeinfo;

time ( &rawtime );
timeinfo = localtime ( &rawtime );
cout<< asctime (timeinfo);
ofstream pat_file;
char fname[20];
cout<<"Enter the patient's file name : ";
cin.ignore();
gets(fname);
pat_file.open(fname);
if(!fname)
{
cout<<"Error while opening the file";goto b;
}
else
{
struct patient_info
{
char name[20];
char address[100];
char contact[10];
char age[5];
char sex[8];
char blood_gp[5];
char disease_past[50];
char id[15];
};

patient_info ak;
cout<<"*****";pa
t_file<<"*****";//fn1353 st
cout<<"Name : ";pat_file<<"Name : ";gets(ak.name);pat_file<<ak.name<<"";
cout<<"Address : ";pat_file<<"Address : ";gets(ak.address);pat_file<<ak.address<<"";
cout<<"Contact      Number      :      ";pat_file<<"Contact      Number      :
";gets(ak.contact);pat_file<<ak.contact<<"";
cout<<"Age : ";pat_file<<"Age : ";gets(ak.age);pat_file<<ak.age<<"";
cout<<"Sex : ";pat_file<<"Sex : ";gets(ak.sex);pat_file<<ak.sex<<"";

```

```

cout<<"Blood          Group          :          ";pat_file<<"Blood          Group          :
";gets(ak.blood_gp);pat_file<<ak.blood_gp<<"";
cout<<"Any Major disease suffered earlier : ";pat_file<<"Any Major disease suffered earlier :
";gets(ak.disease_past);pat_file<<ak.disease_past<<"";
cout<<"Patient ID : ";pat_file<<"Patient ID : ";gets(ak.id);pat_file<<ak.id<<"";
cout<<"*****";pa
t_file<<"*****";
cout<<"Information Saved Successfully";
}
system("pause");
system("cls");
goto b;

}

//Appending diagnosis information of patient datewise.....option 2
if(i==2||6)
{
fstream pat_file;
cout<<"Enter the patient's file name to be opened : ";
cin.ignore();
gets(fname);
system("cls");
pat_file.open(fname, ios::in);
if(!pat_file)
{
cout<<"Error while opening the file";goto b;
}
else
{
cout<<"..... Information about "<<fname<<" .....";
string info;
while(pat_file.good())
{
getline(pat_file,info);
cout<<info<<" ";
}
cout<<" ";
pat_file.close();
pat_file.open(fname, ios::out | ios::app);
cout<<" ";
cout<<"Adding more information in patient's file.....on : "<<asctime
(timeinfo);pat_file<<"Description of "<<asctime (timeinfo)<<" ";

```

```

struct app
{
char symptom[500];
char diagnosis[500];
char medicine[500];
char admission[30];
char ward[15];
};
app add;
cout<<"Symptoms : "; pat_file<<"Symptoms : ";gets(add.symptom); pat_file<<add.symptom<<"
";
cout<<"Diagnosis : "; pat_file<<"Diagnosis : ";gets(add.diagnosis); pat_file<<add.diagnosis<<"
";
cout<<"Medicines : "; pat_file<<"Medicines : ";gets(add.medicine); pat_file<<add.medicine<<"
";
cout<<"Admission Required? : "; pat_file<<"Admission Required? : ";gets(add.admission);
pat_file<<add.admission<<" ";
cout<<"Type of ward : "; pat_file<<"Type of ward : ";gets(add.ward); pat_file<<add.ward<<"
";pat_file<<"*****";
cout<<"---"<<add.ward<<" ward is allotted Successfully";
pat_file.close();
cout<<"";
system("pause");
system("cls");
goto b;
}
}
// Deleting the record
else if(i==7)
{
cout<<"Enter the patient's file name to be opened : ";
cout<<"patient file deleted Successfully : ";

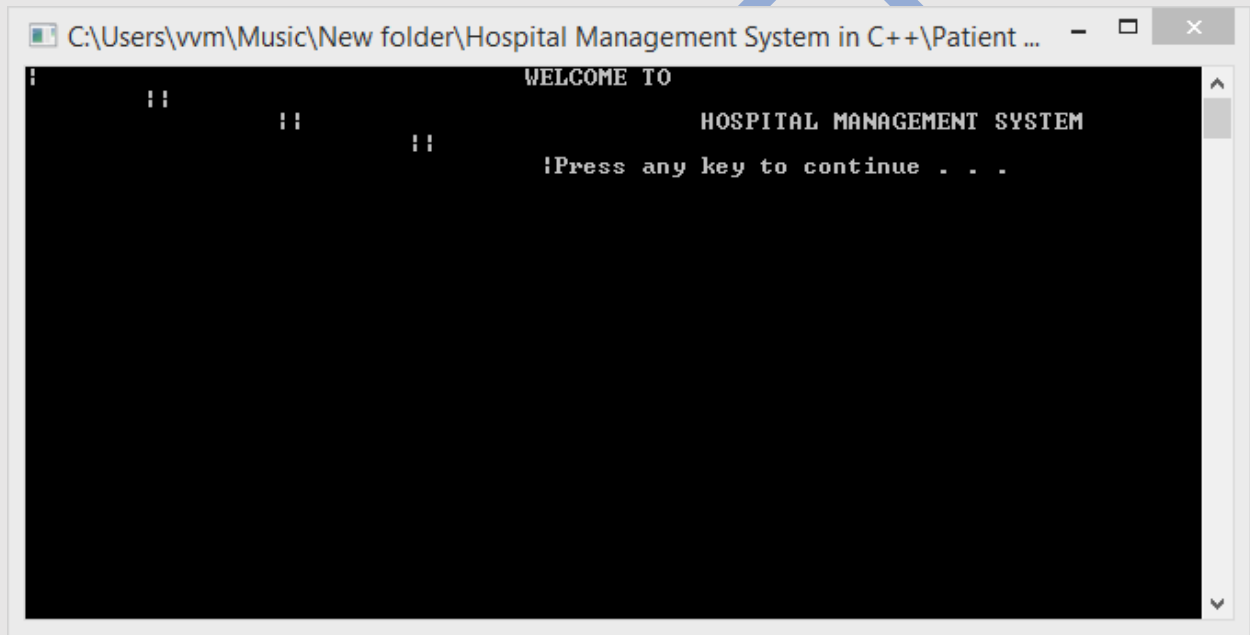
}
//For displaying the full medical history of patient in that hospital.....option 3

if(i==3)
{
fstream pat_file;
cout<<"Enter the patient's file name to be opened : ";
cin.ignore();

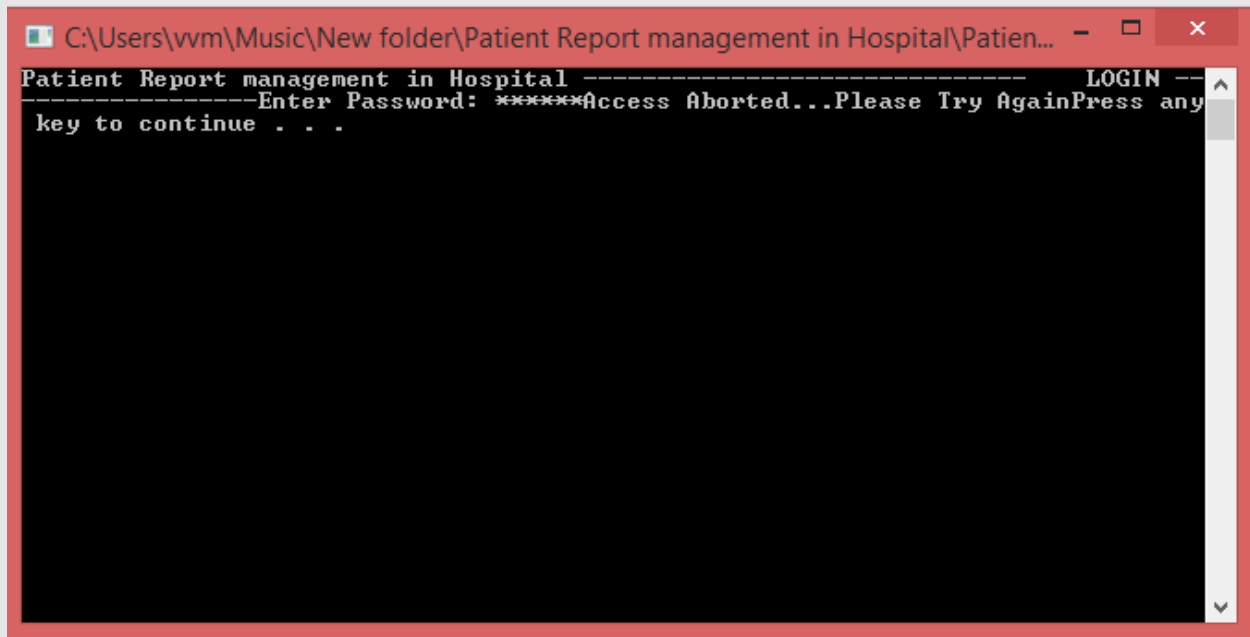
```


OUTPUT

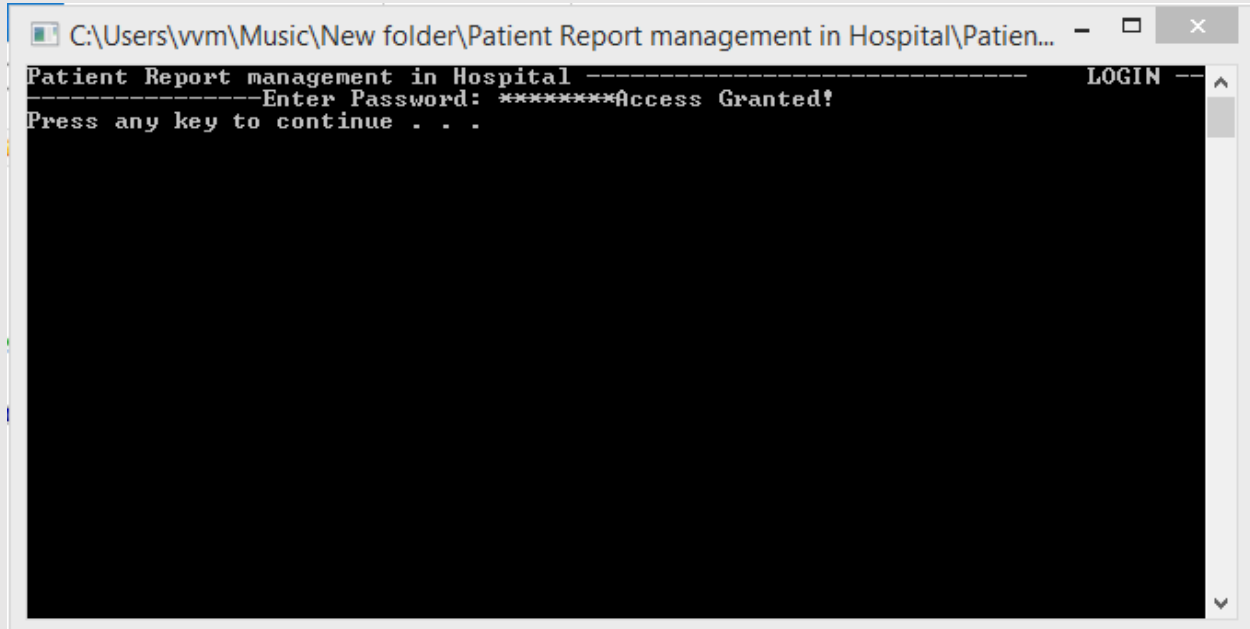
Interface



Wrong password



Access Granted



Choices

- 1 >> Add New Patient Record
- 2 >> Add Diagnosis Information
- 3 >> Full History of the Patient
- 4 >> Information About the Hospital
- 5 >> Exit the Program
- 7 >> Delete Patient Record
- 6 >> Update Patient Record

```
C:\Users\vvm\Music\New folder\Patient Report management in Hospital\Patient... - [X]
Patient Report management in Hospital Please, Choose from the following Option
s:
> Add New Patient Record
is Information
ent
5 >> Exit the Program
7 >> Delete Patient Record
>> Update Patient Record
1 >> Add New Patient Record
2 >> Add Diagnosis Information
3 >> Full History of the Patient
4 >> Information About the Hospital
6 >> Update Patient Record
Enter your choice:
```

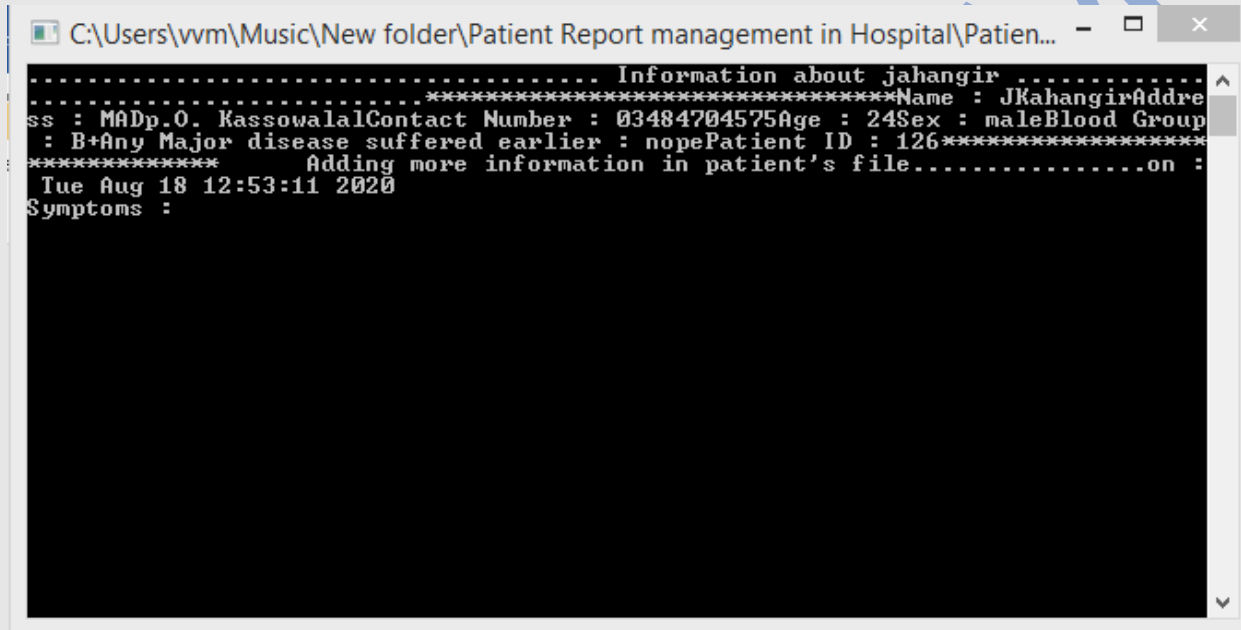
Add Record

```
C:\Users\vvm\Music\New folder\Patient Report management in Hospital\Patient... - [X]
Tue Aug 18 12:53:11 2020
Enter the patient's file name : jahangir
*****Name : JKahangir
Address : MADp.O. Kassowalal
Contact Number : 03484704575
Age : 24
Sex : male
Blood Group : B+
Any Major disease suffered earlier : nope
Patient ID : 126
*****Information
Saved SuccessfullyPress any key to continue . . .
```

Update Record

```
C:\Users\vvm\Music\New folder\Patient Report management in Hospital\Patient... - [X]
..... Information about jahangir .....
*****Name : JKahangirAddress : MADp.O. KassowalalContact Number : 03484704575Age : 24Sex : maleBlood Group : B+Any Major disease suffered earlier : nopePatient ID : 126*****
***** Adding more information in patient's file.....on :
Tue Aug 18 12:53:11 2020
Symptoms : noyzea
Diagnosis : bed rest
Medicines : pain killers
Admission Required? : yes
Type of ward : opd
---opd ward is allotted SuccessfullyPress any key to continue . . .
```

Show Record /Full History of the patient



A screenshot of a Windows command prompt window. The title bar reads "C:\Users\vwm\Music\New folder\Patient Report management in Hospital\Patient...". The command prompt displays the following text:

```
..... Information about jahangir .....
*****Name : JKahangirAddress : MADp.0. KassowalalContact Number : 03484704575Age : 24Sex : maleBlood Group : B+Any Major disease suffered earlier : nopePatient ID : 126*****
***** Adding more information in patient's file.....on :
Tue Aug 18 12:53:11 2020
Symptoms :
```