/\* A PROJECT ON HOSPITAL MANAGEMENT SYSTEM \*/

#include<stdio.h>

#include<time.h>

#include<conio.h>

#include<stdlib.h>

#include<string.h>

/\* DECLARATION OF FUNCTIONS TO BE USED \*/

void first(void);

void login(void);

void signup(void);

void emp(void);

void MainMenu(void);

void pat(void);

void inv(void);

/\* DECLARATION OF STRUCTURES TO BE USED \*/

struct address

{

int hno;

char street[40];

char city[40];

char state[40];

};

struct patient

{

struct address a;

char name[40];

char fname[40];

int age;

char bg[3];

char gender;

char regn[10];

char ph[10];

char disease[60];

char doc\_name[40];

char history[200];

char date[10];

char treatment[40];

char med[40];

};

struct staff

{

char name[40];

char fname[40];

int age;

char bg[3];

char gender;

char uid[10];

struct address b;

char ph[10];

double salary;

char desig[40];

};

struct inventory1

{

int sno;

char name[30];

char dop[20];

int qnty;

float price;

float amount;

};

/\* MAIN MENU FUNCTION \*/

void menu2()

{

char choice;

system("color 3B");

printf("\n\t\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\t\t\t \*\*\* \*\*\*");

printf("\n\t\t\t \* WELCOME TO ROYEL HOSPITAL \*");

printf("\n\t\t\t \*\*\* \*\*\*");

printf("\n\t\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\n\n\a[Please Choose Your Option From Below] \n\n");

//printf("\n\t\t\t\t--Made by MD. ZUBAER HOSSAIN(JEWEL)");

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

printf("\n\t\t\t<1> PATIENT");

printf("\n\t\t\t<2> INVENTORY");

printf("\n\t\t\t<3> ABOUT PROGRAM");

printf("\n\t\t\t<0> EXIT");

printf("\n\n\n\t\tEnter Your Choice: \n\n");

fflush(stdin);

choice=getche();

switch(choice)

{

case '1':

pat();

break;

case '2':

inv();

break;

case '3':

about2();

break;

case '0':

exit(1);

}

}

void menu1()

{

char choice;

system("color 3B");

printf("\n\t\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\t\t\t \*\*\* \*\*\*");

printf("\n\t\t\t \* WELCOME TO ROYEL HOSPITAL \*");

printf("\n\t\t\t \*\*\* \*\*\*");

printf("\n\t\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\n\n\n\a[Please Choose Your Option From Below] \n\n");

//printf("\n\t\t\t\t--Made by MD. ZUBAER Hossain (Jewel)");

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

printf("\n\t\t\t<1> STAFF OR AUTHORITY");

printf("\n\t\t\t<2> INVENTORY");

printf("\n\t\t\t<3> ABOUT PROGRAM");

printf("\n\t\t\t<0> EXIT");

printf("\n\n\n\t\tEnter Your Choice: \n\n");

fflush(stdin);

choice=getche();

switch(choice)

{

case '1':

emp();

break;

case '2':

inv();

break;

case '3':

about1();

break;

case '0':

exit(1);

}

}

void pat()

{

FILE \*fp,\*ft;

char another,ch;

char reg[20],pname[40];

int iF=0;

long int recsize;

struct patient p;

fp=fopen("pat.DAT","r+");

if(fp==NULL)

{

fp=fopen("pat.DAT","w+");

if(fp==NULL)

{

puts("\nSorry!! Cannot open file");

exit(1);

}

}

recsize=sizeof(p);

while(1)

{

/\* DISPLAY OF OPTIONS \*/

printf("\n\n\t\t\tPATIENT");

printf("\n\t\t1.Enter a New Entry");

printf("\n\t\t2.Modify Existing");

printf("\n\t\t3.Search an Entry");

printf("\n\t\t4.Listing of records");

printf("\n\t\t5.Delete an Entry");

printf("\n\t\t6.Main Menu");

printf("\n\n\t\tEnter your choice here: ");

fflush(stdin);

ch=getche();

switch(ch)

{

/\* ADDITION OF RECORDS \*/

case '1':

fseek(fp,0,SEEK\_END);

another='Y';

while(another=='Y'||another=='y')

{

w:

printf("\n\n\nEnter Registration Number: ");

scanf("%s",reg);

rewind(fp);

/\* CHECKING FOR REGISTRATION NUMBER \*/

while(fread(&p,recsize,1,fp)==1)

{

if(strcmp(p.regn,reg)==0)

{

iF=1;

printf("\n\t\tTHIS REGISTRATION NUMBER ALREADY EXISTS. ENTER ANOTHER ONE");

goto w;

}

}

if(iF==0||fread(&p,recsize,1,fp)==0)

{

fseek (fp,0,SEEK\_END);

strcpy(p.regn,reg);

fflush(stdin);

printf("\nEnter the name of the patient: ");

gets(p.name);

printf("\nEnter the name of the Guardian: ");

gets(p.fname);

printf("\nEnter the gender of the patient(M.male or F.female): ");

fflush(stdin);

scanf("%c",&p.gender);

printf("\nEnter the Blood group of the patient: ");

fflush(stdin);

scanf("%s",p.bg);

printf("\nEnter the age of the patient: ");

scanf("%d",&p.age);

printf("\nEnter the address of the patient:\n");

printf("\n\tEnter the house number: ");

scanf("%d",&p.a.hno);

fflush(stdin);

printf("\n\tEnter the street/colony: ");

fflush(stdin);

scanf("%s",p.a.street);

printf("\n\tEnter the city: ");

fflush(stdin);

scanf("%s",p.a.city);

printf("\n\tEnter the state: ");

fflush(stdin);

scanf("%s",p.a.state);

printf("\nEnter the phone number of the patient: ");

fflush(stdin);

scanf("%s",p.ph);

fflush(stdin);

printf("\nEnter the Disease or problem for which he/she wants treatment: ");

gets(p.disease);

printf("\nEnter the name of the Doctor to which he/she being referred: ");

gets(p.doc\_name);

printf("\nEnter the history, if any, related to treatment of the patient(otherwise write NOT AVAILABLE): ");

gets(p.history);

fwrite(&p,recsize,1,fp);

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

printf("\nWant to add entry of the another Patient(Y/N): ");

fflush(stdin);

another=getche();

}

}

break;

/\* MODIFICATION OF EXISTING RECORDS \*/

case '2':

while(another=='Y'||another=='y')

{

printf("\nEnter the Registration number of the patient to modify: ");

scanf("%s",reg);

rewind(fp);

while(fread(&p,recsize,1,fp)==1)

{

if(strcmp(p.regn,reg)==0)

{

fflush(stdin);

printf("\nEnter the new name of the patient: ");

gets(p.name);

printf("\nEnter the new name of the Guardian: ");

gets(p.fname);

printf("\nEnter the new Blood group of the patient: ");

scanf("%s",p.bg);

printf("\nEnter the new age of the patient: ");

scanf("%d",&p.age);

printf("\nEnter the new address of the patient:\n");

printf("\n\tEnter the house number: ");

scanf("%d",&p.a.hno);

fflush(stdin);

printf("\n\tEnter the street/colony: ");

scanf("%s",p.a.street);

printf("\n\tEnter the city: ");

scanf("%s",p.a.city);

printf("\n\tEnter the state: ");

scanf("%s",p.a.state);

printf("\nEnter the new phone number of the patient: ");

scanf("%s",p.ph);

fflush(stdin);

printf("enter the date of treatment given: ");

gets(p.date);

printf("\nEnter the detail of treatment given: ");

gets(p.treatment);

printf("\nEnter the medicines prescribed: ");

gets(p.med);

fseek(fp,-recsize,SEEK\_CUR);

fwrite(&p,recsize,1,fp);

break;

}

}

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

printf("\nModify another Record(Y/N): ");

fflush(stdin);

another=getche();

}

break;

/\*SEARCHING A PARTICULAR ENTRY (BY NAME) \*/

case '3':

another='Y';

while(another=='Y'||another=='y')

{

printf("\nEnter name to search: ");

gets(pname);

rewind(fp);

while(fread(&p,recsize,1,fp)==1)

{

if(strcmp(p.name,pname)==0)

{

printf("\nRegistration Number of the Patient : ");

puts(p.regn);

printf("\nName of the Patient : ");

puts(p.name);

printf("\nName of the Guardian : ");

puts(p.fname);

printf("\nAge : %d",p.age);

printf("\nGender : %c",p.gender);

printf("\nBlood group: %s",p.bg);

printf("\nAddress : %d,%s,%s,%s",p.a.hno,p.a.street,p.a.city,p.a.state);

printf("\nphone number : +88-%s",p.ph);

printf("\nDisease : %s",p.disease);

printf("\nEarlier History : ");

puts(p.history);

printf("\nDetails of treatment given and medicine prescribed:");

printf("\nDATE\t\tTREATMENT GIVEN\t\tMEDICINE PRESCRIBED\n");

printf("%s\t\t %s\t\t %s\n",p.date,p.treatment,p.med);

printf("\nName of the Doctor : ");

puts(p.doc\_name);

}

}

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

printf("\nSearch another Entry(Y/N): ");

fflush(stdin);

another=getche();

}

break;

/\* LISTING OF ALL RECORDS \*/

case '4':

rewind(fp);

while(fread(&p,recsize,1,fp)==1)

{

printf("\nRegistration Number of the Patient : ");

puts(p.regn);

printf("\nName of the Patient : ");

puts(p.name);

printf("\nName of the Guardian : ");

puts(p.fname);

printf("\nAge : %d",p.age);

printf("\nGender : %c",p.gender);

printf("\nBlood group: %s",p.bg);

printf("\nAddress : %d,%s,%s,%s",p.a.hno,p.a.street,p.a.city,p.a.state);

printf("\nphone number : +88-%s",p.ph);

printf("\nDisease : %s",p.disease);

printf("\nEarlier History : ");

puts(p.history);

printf("\nDetails of treatment given and medicine prescribed:");

printf("\nDATE\t\t TREATMENT GIVEN\t\t\t MEDICINE PRESCRIBED\n");

printf("%s\t %s\t\t %s\n",p.date,p.treatment,p.med);

printf("\nName of the Doctor : ");

puts(p.doc\_name);

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

printf("Press Any Key For BACK: ");

}

getch();

break;

/\* DELETION OF RECORD \*/

case '5':

another='Y';

while(another=='Y'||another=='y')

{

printf("\nEnter the Registration number of the Patient to be deleted: ");

scanf("%s",reg);

ft=fopen("temp.DAT","w+");

rewind(fp);

while(fread(&p,recsize,1,fp)==1)

{

if(strcmp(p.regn,reg)!=0)

fwrite(&p,recsize,1,ft);

else

printf("\nThe Record has been Deleted Successfully.");

}

fclose(fp);

fclose(ft);

remove("pat.DAT");

rename("temp.DAT","pat.DAT");

fp=fopen("pat.DAT","r+");

printf("\nDelete another record?(Y/N): ");

fflush(stdin);

another=getche();

}

break;

case '6':

{

fclose(fp);

menu2();

}

break;

}

}

}

/\* EMPLOYEE \*/

void emp()

{

FILE \*fs,\*fx;

char more,c;

char id[20],s\_name[40];

int iF=0;

long int recsize1;

struct staff s;

fs=fopen("emp.DAT","r+");

if(fs==NULL)

{

fs=fopen("emp.DAT","w+");

if(fs==NULL)

{

puts("\nSorry!! Cannot open file");

exit(1);

}

}

recsize1=sizeof(s);

while(1)

{

/\* DISPLAY OF OPTIONS \*/

printf("\n\t\t\tEMPLOYEE");

printf("\n\t\t1.Add an Entry");

printf("\n\t\t2.Modify Existing One");

printf("\n\t\t3.Search an Entry");

printf("\n\t\t4.Listing of all records");

printf("\n\t\t5.Delete an Entry");

printf("\n\t\t6.Main Menu");

printf("\n\n\t\tEnter your choice here: ");

fflush(stdin);

c=getche();

switch(c)

{

/\* ADDITION OF RECORDS \*/

case '1':

fseek(fs,0,SEEK\_END);

more='Y';

while(more=='Y'||more=='y')

{

u:

printf("\n\n\nEnter the UID of the Employee: ");

scanf("%s",id);

rewind(fs);

/\* CHECKING FOR UNIQUE ID \*/

while(fread(&s,recsize1,1,fs)==1)

{

if(strcmp(s.uid,id)==0)

{

iF=1;

printf("\n\t\tTHIS UID ALREADY EXISTS. ENTER ANOTHER ONE");

goto u;

}

}

if(iF==0||fread(&s,recsize1,1,fs)==0)

{

fseek (fs,0,SEEK\_END);

strcpy(s.uid,id);

fflush(stdin);

printf("\nEnter the name of the Employee: ");

gets(s.name);

printf("\nEnter the name of the Guardian: ");

gets(s.fname);

printf("\nEnter the gender of the patient(M.male or F.female): ");

scanf("%c",&s.gender);

printf("\nEnter the Blood group of the Employee: ");

scanf("%s",s.bg);

printf("\nEnter the age of the Employee: ");

scanf("%d",&s.age);

printf("\nEnter the Salary of the Employee: ");

scanf("%lf",&s.salary);

printf("\nEnter the address of the Employee:\n");

printf("\n\tEnter the house number: ");

scanf("%d",&s.b.hno);

fflush(stdin);

printf("\n\tEnter the street/colony: ");

scanf("%s",s.b.street);

printf("\n\tEnter the city: ");

scanf("%s",s.b.city);

printf("\n\tEnter the state: ");

scanf("%s",s.b.state);

printf("\nEnter the phone number of the Employee: ");

scanf("%s",s.ph);

fflush(stdin);

printf("\nEnter the Designation: ");

gets(s.desig);

fwrite(&s,recsize1,1,fs);

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

printf("\nWant to add entry of the another Employee(Y/N): ");

fflush(stdin);

more=getche();

}

}

break;

/\* MODIFICATION OF EXISTING RECORDS \*/

case '2':

more='Y';

while(more=='Y'||more=='y')

{

printf("\nEnter the UID of the Employee to modify: ");

scanf("%s",id);

rewind(fs);

while(fread(&s,recsize1,1,fs)==1)

{

if(strcmp(s.uid,id)==0)

{

fflush(stdin);

printf("\nEnter the new name of the Employee: ");

gets(s.name);

printf("\nEnter the new name of the Guardian: ");

gets(s.fname);

printf("\nEnter the new Blood group of the Employee: ");

scanf("%s",s.bg);

printf("\nEnter the new age of the Employee: ");

scanf("%d",&s.age);

printf("\nEnter the new Salary of the Employee: ");

scanf("%lf",&s.salary);

printf("\nEnter the new address of the Employee:\n");

printf("\n\tEnter the house number: ");

scanf("%d",&s.b.hno);

fflush(stdin);

printf("\n\tEnter the street/colony: ");

scanf("%s",s.b.street);

printf("\n\tEnter the city: ");

scanf("%s",s.b.city);

printf("\n\tEnter the state: ");

scanf("%s",s.b.state);

printf("\nEnter the new phone number of the Employee: ");

scanf("%s",s.ph);

fseek(fs,-recsize1,SEEK\_CUR);

fwrite(&s,recsize1,1,fs);

break;

}

}

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

printf("\nModify another Record(Y/N): ");

fflush(stdin);

more=getche();

}

break;

/\*SEARCHING A PARTICULAR ENTRY BY NAME\*/

case '3':

more='Y';

while(more=='Y'||more=='y')

{

printf("\nEnter name to search: ");

gets(s\_name);

rewind(fs);

while(fread(&s,recsize1,1,fs)==1)

{

if(strcmp(s.name,s\_name)==0)

{

printf("\nUID of the Employee : ");

puts(s.uid);

printf("\nName of the Employee : ");

puts(s.name);

printf("\nName of the Guardian : ");

puts(s.fname);

printf("\nAge : %d",s.age);

printf("\nSalary: %lf",s.salary);

printf("\nGender : %c",s.gender);

printf("\nBlood group: %s",s.bg);

printf("\nAddress : %d,%s,%s,%s",s.b.hno,s.b.street,s.b.city,s.b.state);

printf("\nphone number : +88-%s",s.ph);

printf("\nDesignation : %s",s.desig);

}

}

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

printf("\nSearch another Entry(Y/N): ");

fflush(stdin);

more=getche();

}

break;

/\* LISTING OF ALL RECORDS \*/

case '4':

rewind(fs);

while(fread(&s,recsize1,1,fs)==1)

{

printf("\nUID of the Employee : ");

puts(s.uid);

printf("\nName of the Employee : ");

puts(s.name);

printf("\nName of the Guardian : ");

puts(s.fname);

printf("\nAge : %d",s.age);

printf("\nSalary: %lf",s.salary);

printf("\nGender : %c",s.gender);

printf("\nBlood group: %s",s.bg);

printf("\nAddress : %d,%s,%s,%s",s.b.hno,s.b.street,s.b.city,s.b.state);

printf("\nphone number : +88-%s",s.ph);

printf("\nDesignation : %s",s.desig);

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

printf("Press Any Key For BACK: ");

}

getch();

break;

/\* DELETION OF RECORD \*/

case '5':

more='Y';

while(more=='Y'||more=='y')

{

printf("\nEnter the UID of the Employee to be deleted: ");

scanf("%s",id);

fx=fopen("tem.DAT","w+");

rewind(fs);

while(fread(&s,recsize1,1,fs)==1)

{

if(strcmp(s.uid,id)!=0)

fwrite(&s,recsize1,1,fx);

else

printf("\nThe Record has been Deleted Successfully.");

}

fclose(fs);

fclose(fx);

remove("emp.DAT");

rename("tem.DAT","emp.DAT");

fs=fopen("emp.DAT","r+");

printf("\nDelete another record?(Y/N): ");

fflush(stdin);

more=getche();

}

case '6':

{

fclose(fs);

menu1();

}

break;

}

}

}

/\* INVENTORY \*/

void inv()

{

FILE \*fi,\*fy;

char a,m;

char i\_name[40];

int iF=0,j=1;

long int recsize2;

struct inventory1 v;

fi=fopen("inv.DAT","r+");

if(fi==NULL)

{

fi=fopen("inv.DAT","w+");

if(fi==NULL)

{

puts("\nSorry!! Cannot open file");

exit(1);

}

}

recsize2=sizeof(v);

while(1)

{

/\* DISPLAY OF OPTIONS \*/

printf("\n\t\t\t\aINVENTORY");

printf("\n\t\t1.Add an Entry for Item");

printf("\n\t\t2.Modify Existing Entry");

printf("\n\t\t3.Search an Entry");

printf("\n\t\t4.Listing of all Entries");

printf("\n\t\t5.Delete an Entry");

printf("\n\t\t6.Main Menu");

printf("\n\n\t\tEnter your choice here: ");

fflush(stdin);

m=getche();

switch(m)

{

/\* ADDITION OF RECORDS \*/

case '1':

fseek(fi,0,SEEK\_END);

a='Y';

while(a=='Y'||a=='y')

{

x:

printf("\n\n\nEnter the Name of the Item: ");

scanf("%s",i\_name);

rewind(fi);

/\* CHECKING FOR UNIQUENESS OF NAME \*/

while(fread(&v,recsize2,1,fi)==1)

{

if(strcmp(v.name,i\_name)==0)

{

iF=1;

printf("\n\t\tTHIS ITEM ALREADY EXISTS. ENTER ANOTHER ONE");

goto x;

}

}

if(iF==0||fread(&v,recsize2,1,fi)==0)

{

fseek (fi,0,SEEK\_END);

strcpy(v.name,i\_name);

fflush(stdin);

printf("\nEnter the Date of purchase: ");

scanf("%s",v.dop);

fflush(stdin);

printf("\nEnter the Quantity of the Item: ");

scanf("%d",&v.qnty);

printf("\nEnter the price of One Item: ");

scanf("%f",&v.price);

v.amount=v.qnty\*v.price;

printf("\nThe amount of %d %s is = %f",v.qnty,v.name,v.amount);

fwrite(&v,recsize2,1,fi);

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

printf("\nWant to add entry of the another Item(Y/N): ");

fflush(stdin);

a=getche();

}

}

break;

/\* MODIFICATION OF EXISTING RECORDS \*/

case '2':

a='Y';

while(a=='Y'||a=='y')

{

printf("\nEnter the name of the item to modify: ");

scanf("%s",i\_name);

rewind(fi);

while(fread(&v,recsize2,1,fi)==1)

{

if(strcmp(v.name,i\_name)==0)

{

fflush(stdin);

printf("\nEnter the new name of the Item: ");

gets(v.name);

printf("\nEnter the new Date of purchase: ");

fflush(stdin);

scanf("%s",v.dop);

printf("\nEnter the new Quantity of the Item: ");

scanf("%d",&v.qnty);

printf("\nEnter the new price of One Item: ");

scanf("%f",&v.price);

v.amount=v.qnty\*v.price;

printf("\nThe new amount of %d %s is = %f",v.qnty,v.name,v.amount);

fseek(fi,-recsize2,SEEK\_CUR);

fwrite(&v,recsize2,1,fi);

break;

}

}

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

printf("\nModify another Record(Y/N): ");

fflush(stdin);

a=getche();

}

break;

/\*SEARCHING A PARTICULAR ENTRY BY NAME\*/

case '3':

a='Y';

while(a=='Y'||a=='y')

{

printf("\nEnter name of item to search: ");

gets(i\_name);

rewind(fi);

while(fread(&v,recsize2,1,fi)==1)

{

if(strcmp(v.name,i\_name)==0)

{

printf("\nThe Name of the Item: ");

puts(v.name);

printf("\nEnter the Date of purchase: %s",v.dop);

printf("\nQuantity of the Item: %d",v.qnty);

printf("\nPrice of One Item: %f",v.price);

v.amount=v.qnty\*v.price;

printf("\nThe amount of %d %s is = %f",v.qnty,v.name,v.amount);

}

}

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

printf("\nSearch another Entry(Y/N): ");

fflush(stdin);

a=getche();

}

break;

/\* LISTING OF ALL RECORDS \*/

case '4':

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

rewind(fi);

while(fread(&v,recsize2,1,fi)==1)

{

printf("S.No. ");

printf("%d\n\n",j);

printf("ITEM. ");

printf("%s\n\n",v.name);

printf("DATE. ");

printf("%s\n\n",v.dop);

printf("QUANTITY. ");

printf("%d\n\n",v.qnty);

printf("PRICE. ");

printf("Tk. %f\n\n",v.price);

printf("AMOUNT. ");

printf("Tk. %f\n\n",v.amount);

j++;

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

}

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

printf("\n\n\nPress Any Key For Back: ");

getch();

break;

/\* DELETION OF RECORD \*/

case '5':

a='Y';

while(a=='Y'||a=='y')

{

printf("\nEnter the name of the Item to be deleted: ");

scanf("%s",i\_name);

fy=fopen("temporary.DAT","w+");

rewind(fi);

while(fread(&v,recsize2,1,fi)==1)

{

if(strcmp(v.name,i\_name)!=0)

fwrite(&v,recsize2,1,fy);

else

printf("\nThe Record has been Deleted Successfully.");

}

fclose(fi);

fclose(fy);

remove("inv.DAT");

rename("temporary.DAT","inv.DAT");

fi=fopen("inv.DAT","r+");

printf("\nDelete another record?(Y/N): ");

fflush(stdin);

a=getche();

}

case '6':

{

fclose(fi);

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

first();

}

break;

}

}

}

/\* ABOUT THE PROGRAM \*/

void about1()

{

char n;

printf("\n\n\n\aThis program is developed to maintain records of Patients,");

printf("\n\nEmployees and Inventory items in a hospital.");

printf("\n\nDeveloped By:");

printf("ZUBAER JEWEL.\n\nCSE Department,\n\nNorth Western University,Khulna.\n\nMobile no : 01771434701,01839666712");

printf("\n\n\n\t\t\tPress Any Key For Back: \n\n\n\n");

n=getche();

menu1();

}

void about2()

{

char n;

system("color 2A");

printf("\n\n\n\aThis program is developed to maintain records of Patients,");

printf("\n\nEmployees and Inventory items in a hospital.");

printf("\n\nDeveloped By:");

printf("\n\nZUBAER JEWEL\n\nCSE Department,\n\nFirst Year,\n\nNorth Western University,Khulna.\n\nMobile no : 01771434701,01839666712");

printf("\n\n\n\t\t\tPress Any Key For Back: \n\n\n");

n=getche();

menu2();

}

void first()

{

int s;

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

printf("\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n \t\t| \*\*\*\*\* Welcome To Hospital Management System \*\*\*\*\* | ");

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

printf("\t\t\t\a <1> For Hospital Authority\n\n\t\t\t <2> For Patient Authority\n\n\n\t\t\t Press Your Choice : ");

system("color 3B");

scanf("\n\t%d",&s);

if(s==1)

{

menu1();

}

else if(s==2)

{

menu2();

}

else

{

system("color 4C");

printf("\t<Wrong Choice>\n\n\tPlease Try Again.\n\n");

first();

}

}

void MainMenu()

{

int n;

system("color 2A");

printf("\n\n\n\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\t\t\t\* Please Sign up and Login to continue \*");

printf("\n\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

printf("\n\n\t\t\t\a\t<1> For Sign Up\n\n\t\t\t\t<2> For Log In\n\n\n\tPress Your Choice : ");

scanf("%d",&n);

if (n==1)

{

signup();

}

if(n==2)

{

login();

}

printf("\n\n\n\n\n\t\t<You've successfully Logged in to your account>\n\n\n");

}

void signup()

{

FILE \*f,\*f1;

char username[55],pass1[25], pass2[25];

system("color 6E");

printf("\n\n\n\n\t\t\t\t\a!!Sign up!!");

printf("\n\n\t\tEnter your User-name(Spaces not allow): ");

f = fopen("UserName.dat","w");

scanf("%s",&username);

fprintf(f,"%s",username);

fclose(f);

f1 = fopen("Password.dat","w");

do

{

printf("\n\n\t\tEnter your password(Spaces not Allow): ");

scanf("%s",&pass1);

printf("\n\n\t\tEnter confirm password(Spaces not Allow): ");

scanf("%s",&pass2);

if(strcmp(pass1,pass2)!=0)

{

system("color 4C");

printf("\n\n\t\t\t\tWrong password! Try again.\n\n");

printf("\n\n\t\tEnter confirm password(Spaces not Allow): ");

scanf("%s",&pass2);

}

fprintf(f1,"%s",pass2);

}

while(strcmp(pass1,pass2)!=0);

fclose(f1);

printf("\n\t\tYou\'ve Successfully Signed Up Your Account.");

login();

}

void login()

{

char username[55],username\_log[55], pass1[25], pass2[25];

FILE \*f,\*f1;

f = fopen("UserName.dat","r");

system("color 3B");

printf("\n\n\n\n\t\t\t\t\a!!Login!!\n\n");

do

{

printf("\n\n\t\tUser-name: ");

scanf("%s",&username\_log);

fscanf(f,"%s", &username);

if(strcmp(username\_log,username)!=0)

{

system("color 4C");

printf("\n\n\t\tWrong User-Name. Please Try Again.\n");

continue;

}

fclose(f);

}

while(strcmp(username\_log,username)!=0);

f1 = fopen("Password.dat","r");

system("color 3B");

do

{

printf("\n\n\t\tPassword: ");

scanf("%s",&pass1);

fscanf(f1,"%s",&pass2);

if(strcmp(pass1,pass2)!=0)

{

system("color 4C");

printf("\n\n\t\tWrong Password. Try Again.\n");

continue;

}

}

while(strcmp(pass1,pass2)!=0);

system("cls");

fclose(f1);

}

#define LEN 150

void main()

{

char buf[LEN];

//int n=2017;

time\_t curtime;

struct tm\*loc\_time;

curtime=time(NULL);

loc\_time=localtime(&curtime);

//printf("%s",asctime(loc\_time));

strftime(buf,LEN,"\t\t\t\t\t\t\tToday is %A,%d %b.\n\n",loc\_time);

fputs(buf,stdout);

//printf("\t\t\t\t\t\t\t\a%d.",n);

strftime(buf,LEN,"\t\t\t\t\t\t\tTime is %I:%M%p.\n",loc\_time);

fputs(buf,stdout);

MainMenu();

first();

}

/\* END OF THE PROGRAM \*/