//program of Hospital Management System

#include<conio.h>

#include<stdio.h>

#include<process.h>

#include<string.h>

void h\_details();

void adddocter();

void disdocter();

void add\_p();

void dis\_p();

void indi\_p();

void delet\_p();

void insrt\_p();

int i,n,m,t,a,k=0;

char user[20],pass[20],d\_p[20],m\_pn[20],p\_n[20],p\_id[20];

struct patient

{

int p\_age,a,j,bed\_no;

char p\_name[30],p\_address[20],disease[20],spe[20],dn[20],p\_id[30];

char hn[20],hl[21],d\_p[21];

}p[15];

int main()

{

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

printf("\n\t\t\t\t\t || HOSPITAL MANAGEMENT SYSTEM ||");

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

a :

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

printf("\nEnter User Name : ");

scanf("%s",user);

printf("\nEnter the Password : ");

do

{

pass[k]=getch();

if(pass[k]!='\r')

printf("\*");

k++;

}while(pass[k-1]!='\r');

if(strcmp(user,"ADMIN")==0 && strcmp(pass,"HMS@777")==0)

{

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_login Successfully\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

}

else

{

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_login Failed please try again\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

goto a;

}

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

printf("\n\t\t\tYour choices are :\n\n\t\t\t1. HOSPITAL DETAILS \n\t\t\t2. ADD DOCTER");

printf("\n\t\t\t3. ADDMIT PATIENTS \n\t\t\t4. DISPLAY DOCTER \n\t\t\t5. DISPLAY INDIVIDUAL PATIENT");

printf("\n\t\t\t6. INSERT PATIENTS\n\t\t\t7. DISPLAY All PATIENTS \n\t\t\t8. DISCHARGE PATIENT \n\t\t\t9. LOGOUT");

while(1)

{

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

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

scanf("%d",&a);

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

switch(a)

{

case 1:h\_details();

break;

case 2:adddocter();

break;

case 3:add\_p();

break;

case 4:disdocter();

break;

case 5:indi\_p();

break;

case 6:insrt\_p();

break;

case 7:dis\_p();

break;

case 8:delet\_p();

break;

case 9:exit(0);

default:

printf("\n<< Invalid Choice >>");

break;

}

}

}

void h\_details()

{

printf("\nEnter the Hospital Name : ");

scanf("%s",p[i].hn);

printf("\nEnter the Hospital Location : ");

scanf("%s",p[i].hl);

printf("\n\t///////////////// The Hospital Details are///////////////// ");

printf("\n\nThe Hospital Name is : %s",p[i].hn);

printf("\n\nThe Hospital Location is : %s",p[i].hl);

}

void adddocter()

{

printf("\n=>Enter The Number of Docter You Want to Add : ");

scanf("%d",&n);

for(i=0;i<n;i++)

{

printf("\nEnter Docter name : ");

scanf("%s",p[i].dn);

printf("\nEnter Docter Specialist : ");

scanf("%s",p[i].spe);

printf("\n\t..........Docter Added Successfully.......... ");

}

}

void add\_p()

{

printf("\n=>Enter The Number of Patient You Want To Addmit : ");

scanf("%d",&n);

for(i=0;i<n;i++)

{

printf("\n\nEnter patient ID or Name : ");

scanf("%s",p[i].p\_name);

printf("\nEnter Patient Address : ");

scanf("%s",p[i].p\_address);

printf("\nEnter patient Age : ");

scanf("%d",&p[i].p\_age);

printf("\nEnter the Disease : ");

scanf("%s",p[i].disease);

}

printf("\n\t..........Patient Addmit Successfully.......... ");

}

void disdocter()

{

printf("\n\t///////////////// Doctor details are///////////////// ");

printf("\n\n\tDocter Name \tDocter Specialist ");

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

for(i=0;i<n;i++)

{

printf("\n\t%s \t\t%s",p[i].dn,p[i].spe);

} }

void dis\_p()

{

printf("\n\n\t///////////////// Patient details are/////////////////");

printf("\n\tPatient Name \tPatient Address \tPatient Age \tPatient Disease");

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

for(i=0;i<n;i++)

{

printf("\n\t%s \t\t%s \t\t\t%d \t\t%s",p[i].p\_name,p[i].p\_address,p[i].p\_age,p[i].disease);

} }

void indi\_p()

{

printf("\n\n\t\t\t////////INDIVIDUAL PATIENT DETAILS//////// ");

for(i=0;i<n;i++)

printf("\n\t\t\tPatient List Are : %d. %s",i+1,p[i].p\_name);

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

printf("\nEnter the Patient Name or Id you want to see: ");

scanf("%s",p\_n);

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

for(i=0;i<n;i++)

{

strcpy(p\_id,p[i].p\_name);

if(strcmp(p\_n,p\_id)==0)

printf("\n\nPATIENT ID\tPATIENT Age\tPATIENT Disease\n %s\t\t%d\t\t%s",p[i].p\_name,p[i].p\_age,p[i].disease);

} }

void insrt\_p()

{

printf("\n\n\t\t////////INSERT PATIENT////////\n\nEnter the number of Patient details you want to insert : ");

scanf("%d",&m);

t=n;

n=m+n;

for(i=t;i<n;i++)

{

printf("\nEnter Patient id and name : ");

scanf("%s",p[i].p\_name);

printf("\nEnter Patient Address : ");

scanf("%s",p[i].p\_address);

printf("\nEnter Patient age : ");

scanf("%d",&p[i].p\_age);

printf("\nEnter the Disease : ");

scanf("%s",p[i].disease);

} }

void delet\_p() // deleting Patient <>

{

printf("\n\n\t\t\t//////// DISCHARGE PATIENT //////// ");

for(i=0;i<n;i++)

printf("\n\n\t\t%d. %s",i+1,p[i].p\_name);

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

printf("\nEnter the Id or name of the patient you want to Discharge: ");

scanf("%s",d\_p);

for(i=0;i<n;i++)

{

if(strcmp(d\_p,p[i].p\_name)==0)

{

while(i<n)

{

printf("\nDischarge successfully");

strcpy(p[i].p\_name,p[i+1].p\_name);

strcpy(p[i].p\_address,p[i+1].p\_address);

p[i].p\_age=p[i+1].p\_age;

strcpy(p[i].disease,p[i+1].disease);

i++;

}

}

}

n--;

}