**Source code**

#include<iostream>

#include<conio.h>

#include<windows.h>

#include<string.h>

using namespace std;

class link

{

private:

int b,x,i,choice,n,a;

char cont;

struct node

{

int data;

string name;

string email;

string home;

string off;

string tell;

string cell;

string sec;

string gender;

struct node \*link;

}\*head,\*temp,\*temp1,\*temp2;

public:

link()

{

head=NULL;

}

void start()

{

Sleep(800);

gotoxy(52,10);

cout<<"SCHOOL MANAGEMENT SYSTEM\n";

Sleep(600);

main\_menu();

}

void main\_menu()

{

do

{

system("cls");

cout<<"\n\t\t\t\t\t\t MAIN MENU \n";

cout<<"\t\t\t\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n\n";

cout<<"\n\t\t\t\t\t\t1.Add Record \n";

cout<<"\n\t\t\t\t\t\t2.Delete Specify Record\n";

cout<<"\n\t\t\t\t\t\t3.Delete All Records\n";

cout<<"\n\t\t\t\t\t\t4.Find A Record\n";

cout<<"\n\t\t\t\t\t\t5.Display All Records\n";

cout<<"\n\t\t\t\t\t\t6.About School\n";

cout<<"\n\t\t\t\t\t\t7.Exit\n";

cout<<"\n\t\t\t\t\t\tChoose Number : ";

choice=getche();

switch(choice)

{

case '1':

system("cls");

insert();

break;

case '2':

system("cls");

del\_specify();

break;

case '3':

system("cls");

del();

break;

case '4':

system("cls");

search();

break;

case '5':

system("cls");

print();

break;

case '6':

About\_Dev();

break;

case '7':

exit(0);

break;

default:

cout<<"\nInvalid Key Pressed.................";

}

cout<<"\n\n\*Press ENTER KEY To <continue>";

cout<<"\n\n\*Press ESC KEY To <exit>";

x=getche();

system("cls");

if(x==27)

{

exit(0);

}

else

{

main\_menu();

}

}while(x==13);

}

void About\_Dev()

{

effect();

system("cls");

cout<<"\n";

gotoxy(45,1);

cout<<"\xDB\xDB\xDB\xDB\xDB\xDB About SCHOOL \xDB\xDB\xDB\xDB\xDB\xDB\xDB\xDB\xDB\n\n";

Sleep(1000);cout<<"\nSchool Name :THE ";Sleep(1000);cout<<"SMART SCHOOL";Sleep(1000);cout<<" SYSTEM LAHORE\n";Sleep(1000);

cout<<"\nSchool history : The smart school develop was in 2007. School offer classes from 1 to 8 and all the salybuss the preffer to teach their student is english meduim or oxford pattren\n";

cout<<"\nAddress : college road township nearest the pso pump\n";

cout<

cout<<"\nOwner : \nMUHAMMAD SHERAZ\n";

Sleep(2000);

cout<<"\n\n\n\tjoin us for your better future \n\n ";Sleep(8000);

}

void insert(void)

{

effect();

char get1[100],get2[100],get3[100],get4[100],get5[100],get6[100],get7[100],get8[100];

gotoxy(45,1);cout<<" Please Add Record \n";

gotoxy(45,2);cout<<" \_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"\n";

if(head==NULL)

{

head =new struct node;

i=1;

cout<<"\n# Student Id:"<<i<<endl;

head->data=i;

fflush(stdin);

cout<<"\n# Name :" ;

gets(get1);

head->name=get1;

cout<<"\n# Class : ";

gets(get6);

head->off=get6;

cout<<"\n# Section : ";

gets(get7);

head->sec=get7;

cout<<"\n# Gender : ";

gets(get8);

head->gender=get8;

cout<<"\n# Enter Telephone Number : ";

gets(get2);

head->tell=get2;

cout<<"\n# Enter Cell-Phone Number : ";

gets(get3);

head->cell=get3;

cout<<"\n# Enter Email Address : ";

gets(get4);

head->email=get4;

cout<<"\n# Enter Home Address : ";

gets(get5);

head->home=get5;

head->link=NULL;

cout<<"\nYour Record Has been Success Fully inserted\n";

}

else

{

temp=head;

head=new struct node;

i++;

cout<<"\n# ENTER Student Id:"<<i<<endl;

head->data=i;

fflush(stdin);

cout<<"\n# Name :" ;

gets(get1);

head->name=get1;

cout<<"\n# Class : ";

gets(get6);

head->off=get6;

cout<<"\n# Section : ";

gets(get7);

head->sec=get7;

cout<<"\n# Gender : ";

gets(get8);

head->gender=get8;

cout<<"\n# Enter Telephone Number : ";

gets(get2);

head->tell=get2;

cout<<"\n# Enter Cell-Phone Number : ";

gets(get3);

head->cell=get3;

cout<<"\n# Enter Email Address : ";

gets(get4);

head->email=get4;

cout<<"\n# Enter Home Address : ";

gets(get5);

head->home=get5;

head->link=temp;

cout<<"\nYour Record Has been SuccessFully inserted\n";

}

cout<<"\nDo You Want To Add Another Record ? y / n \a";

cont=getche();

if(cont=='y')

{

cout<<"\n";

system("cls");

insert();

}

Sleep(1000);

main\_menu();

}

void search(void)

{

effect();

system("cls");

temp=head;

cout<<"\n\n\t\t\t\t\t\t\aRestriction!\n\n\n\n\t\t\t\t Student ID should be in integer not in char ";

Sleep(3000);

system("cls");

cout<<"\nEnter Id Which do you want to search:";

cin>>a;

fflush(stdin);

while(head!=NULL)

{

if(head->data==a)

{

cout<<"\n";

gotoxy(45,1); cout<<"Entry Found\n";

gotoxy(45,2); cout<<" \_\_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"==========================================================================================================================";

cout<<"\n";

cout<<"\n# ID: "<<head-> data;

cout<<"\n# Name: "<<head-> name;

cout<<"\n# Class : "<<head -> off;

cout<<"\n# Section : "<<head ->sec;

cout<<"\n# Gender : "<<head ->gender;

cout<<"\n# Telephone Number : "<<head-> tell;

cout<<"\n# Cell-Phone Number : "<<head -> cell;

cout<<"\n# Email Address : "<<head -> email;

cout<<"\n# Home Address : "<<head-> home;

cout<<"\n";

cout<<"===========================================================================================================================";

return;

}

else

{

head=head->link;

}

}

cout<<"Not found";

}

void del(void)

{

while(head!=NULL)

{

delete(head);

head=head->link;

}

cout<<"\nYour all record has been deleted....";

}

void print(void)

{

effect();

temp1=head;

if(temp1==NULL)

{

cout<<"No Entries Found.....";

Sleep(1000);

main\_menu();

}

x:

system("cls");

gotoxy(45,1);cout<<"Display Record \n";

cout<<"=====================================================================================================================";

cout<<"\n";

cout<<"\n# ID: "<<temp1-> data<<endl;

cout<<"\n# Name: "<<temp1-> name<<endl;

cout<<"\n# Class : "<<temp1 -> off<<endl;

cout<<"\n# Section : "<<temp1 ->sec<<endl;

cout<<"\n# Gender : "<<temp1->gender<<endl;

cout<<"\n# Telephone Number : "<<temp1-> tell<<endl;

cout<<"\n# Cell-Phone Number : "<<temp1 -> cell<<endl;

cout<<"\n# Email Address : "<<temp1 -> email<<endl;

cout<<"\n# Home Address : "<<temp1-> home<<endl;

cout<<"\n";

cout<<"=======================================================================================================================";

cout<<"\n";

cout<<"\nDo You Want To View Another Record ? y / n \a";

cont=getche();

if(cont=='y')

{

cout<<"\n";

if(temp1->link==NULL)

{

cout<<"\nNo More Entries ........";

Sleep(1000);

main\_menu();

}

temp1=temp1->link;

goto x;

}

else if(temp1->link==NULL)

{

cout<<"\nNo More Entries ........";

Sleep(1000);

main\_menu();

}

else

{

main\_menu();

exit(0);

}

}

void del\_specify(void)

{

effect();

system ("cls");

cout<<"\n\t\t\t Delete A Record \n";

cout<<"\n\t\t\t \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"Enter Id which you want to del:";

cin>>n;

if(head->data==n)

{

free(head);

head=head->link;

cout<<"\n";

cout<<n<<" is successfully deleted in node";

}

else

{

delete\_node(n);

}

}

void delete\_node(int n)

{

effect();

temp1 = head;

temp2 = head;

while (temp1 != NULL)

{

if (temp1->data == n)

{

break;

}

if (temp1 == temp2)

{

temp1 = temp1->link;

}

else

{

temp2 = temp2->link;

temp1= temp2->link;

}}

if (temp1 == NULL){

cout << "ID not found" << endl;

}

else

{

temp2 -> link = temp2 ->link->link;

delete temp1;

cout<<"\n";

cout<<n<<" is successfully deleted in node";

}

}

void gotoxy(int x, int y)

{

COORD ord;

ord.X = x;

ord.Y = y;

SetConsoleCursorPosition(GetStdHandle(STD\_OUTPUT\_HANDLE), ord);

}

void effect()

{ int i,j;

char ch;

ch=220;

gotoxy(0,0);

for (i=0;i<25;i++)

{

for(j=0;j<125;j++)

{

cout<<ch;

}

Sleep(12);

cout<<"\n";

}

gotoxy(0,0);

for (i=0;i<27;i++)

{

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t \n";

Sleep(20);

}

}

};

int main()

{

link obj;

obj.start();

getch();

}