C and C++ Minor Project#5

Phonebook Mangement System

Program:

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<stdlib.h>

#include<windows.h>

struct person

{

char name[35];

char address[50];

char father\_name[35];

char mother\_name[30];

long int mble\_no;

char sex[8];

char mail[100];

char citision\_no[20];

};

void menu();

void got();

void start();

void back();

void addrecord();

void listrecord();

void modifyrecord();

void deleterecord();

void searchrecord();

int main()

{

system("color 5f");

start();

return 0;

}

void back()

{

start();

}

void start()

{

menu();

}

void menu()

{

system("cls");

printf("\t\t\*\*\*\*\*\*\*\*\*\*WELCOME TO PHONEBOOK\*\*\*\*\*\*\*\*\*\*\*\*\*");

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

printf("\t1.Add New \t2.List \t3.Exit \n\t4.Modify \t5.Search\t6.Delete");

switch(getch())

{

case '1':

addrecord();

break;

case '2': listrecord();

break;

case '3': exit(0);

break;

case '4': modifyrecord();

break;

case '5': searchrecord();

break;

case '6': deleterecord();

break;

default:

system("cls");

printf("\nEnter 1 to 6 only");

printf("\n Enter any key");

getch();

menu();

}

}

void addrecord()

{

system("cls");

FILE \*f;

struct person p;

f=fopen("project","ab+");

printf("\n Enter name: ");

got(p.name);

printf("\nEnter the address: ");

got(p.address);

printf("\nEnter father name: ");

got(p.father\_name);

printf("\nEnter mother name: ");

got(p.mother\_name);

printf("\nEnter phone no.:");

scanf("%ld",&p.mble\_no);

printf("Enter sex:");

got(p.sex);

printf("\nEnter e-mail:");

got(p.mail);

printf("\nEnter citizen no:");

got(p.citision\_no);

fwrite(&p,sizeof(p),1,f);

fflush(stdin);

printf("\nrecord saved");

fclose(f);

printf("\n\nEnter any key");

getch();

system("cls");

menu();

}

void listrecord()

{

struct person p;

FILE \*f;

f=fopen("project","rb");

if(f==NULL)

{

printf("\nfile opening error in listing :");

exit(1);

}

while(fread(&p,sizeof(p),1,f)==1)

{

printf("\n\n\n YOUR RECORD IS\n\n ");

printf("\nName=%s\nAdress=%s\nFather name=%s\nMother name=%s\nMobile no=%ld\nSex=%s\nE-mail=%s\nCitizen no=%s",p.name,p.address,p.father\_name,p.mother\_name,p.mble\_no,p.sex,p.mail,p.citision\_no);

getch();

system("cls");

}

fclose(f);

printf("\n Enter any key");

getch();

system("cls");

menu();

}

void searchrecord()

{

struct person p;

FILE \*f;

char name[100];

f=fopen("project","rb");

if(f==NULL)

{

printf("\n error in opening\a\a\a\a");

exit(1);

}

printf("\nEnter name of person to search\n");

got(name);

while(fread(&p,sizeof(p),1,f)==1)

{

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

{

printf("\n\tDetail Information About %s",name);

printf("\nName:%s\naddress:%s\nFather name:%s\nMother name:%s\nMobile no:%ld\nsex:%s\nE-mail:%s\nCitision no:%s",p.name,p.address,p.father\_name,p.mother\_name,p.mble\_no,p.sex,p.mail,p.citision\_no);

}

else

printf("file not found");

}

fclose(f);

printf("\n Enter any key");

getch();

system("cls");

menu();

}

void deleterecord()

{

struct person p;

FILE \*f,\*ft;

int flag;

char name[100];

f=fopen("project","rb");

if(f==NULL)

{

printf("CONTACT'S DATA NOT ADDED YET.");

}

else

{

ft=fopen("temp","wb+");

if(ft==NULL)

printf("file opaning error");

else

{

printf("Enter CONTACT'S NAME:");

got(name);

fflush(stdin);

while(fread(&p,sizeof(p),1,f)==1)

{

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

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

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

flag=1;

}

fclose(f);

fclose(ft);

if(flag!=1)

{

printf("NO CONACT'S RECORD TO DELETE.");

remove("temp.txt");

}

else

{

remove("project");

rename("temp.txt","project");

printf("RECORD DELETED SUCCESSFULLY.");

}

}

}

printf("\n Enter any key");

getch();

system("cls");

menu();

}

void modifyrecord()

{

int c;

FILE \*f;

int flag=0;

struct person p,s;

char name[50];

f=fopen("project","rb+");

if(f==NULL)

{

printf("CONTACT'S DATA NOT ADDED YET.");

exit(1);

}

else

{

system("cls");

printf("\nEnter CONTACT'S NAME TO MODIFY:\n");

got(name);

while(fread(&p,sizeof(p),1,f)==1)

{

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

{

printf("\n Enter name:");

got(s.name);

printf("\nEnter the address:");

got(s.address);

printf("\nEnter father name:");

got(s.father\_name);

printf("\nEnter mother name:");

got(s.mother\_name);

printf("\nEnter phone no:");

scanf("%ld",&s.mble\_no);

printf("\nEnter sex:");

got(s.sex);

printf("\nEnter e-mail:");

got(s.mail);

printf("\nEnter citizen no\n");

got(s.citision\_no);

fseek(f,-sizeof(p),SEEK\_CUR);

fwrite(&s,sizeof(p),1,f);

flag=1;

break;

}

fflush(stdin);

}

if(flag==1)

{

printf("\n your data id modified");

}

else

{

printf(" \n data is not found");

}

fclose(f);

}

printf("\n Enter any key");

getch();

system("cls");

menu();

}

void got(char \*name)

{

int i=0,j;

char c,ch;

do

{

c=getch();

if(c!=8&&c!=13)

{

\*(name+i)=c;

putch(c);

i++;

}

if(c==8)

{

if(i>0)

{

i--;

}

// printf("h");

system("cls");

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

{

ch=\*(name+j);

putch(ch);

}

}

}while(c!=13);

\*(name+i)='\0';

}

OUTPUT:

Main Menu:

A picture containing rectangle

Description automatically generated

Add Record:



