//Write a code for phonebook

#include <stdio.h>

#include <conio.h>

#include <string.h>

#include <stdlib.h>

#include <windows.h>

struct customer

{

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

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 customer 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 customer 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 customer 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 customer 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 customer 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();

}

int 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--;

}

system("cls");

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

{

ch = \*(name + j);

putch(ch);

}

}

} while (c != 13);

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

}