# PHONEBOOK MANAGEMENT SYSTEM

# Group member details-

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### Introduction:

→ We have created a program for phonebook management in c++ which will allow you to perform simple Phonebook operations. For this purpose, we have used the concept of <u>file handling, classes, OOPS, UML, functions, strings</u> and so on.

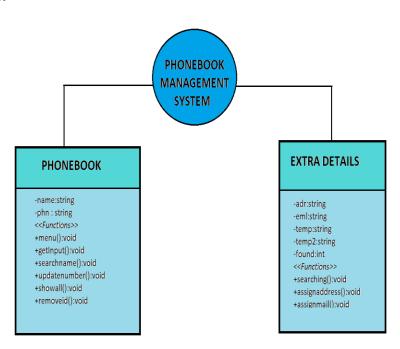
# **Objective:**

- →In this phonebook management system project, users can add a new phone record, display existing phone records, search a particular phone record and delete phone records or add more records.
- →In the beginning of the code, we have added <u>signup/login</u> section for user's security purpose.

→Some main functions in our code that guides the project-

- 1) <u>void menu ()</u> This function is used to display the main menu which will include functions sort of to add, search, update, display, delete contacts and so on for the user to choose.
- 2) <u>void getinput()-</u>This function is used to get input for the contact that is for the user to enter name and phone number.
- 3) <u>void searchname()-</u>This function is used to search the name of the contact saved in the phonebook.
- 4) <u>void updatenumber()-</u>This function is used to change your previous phone number and update it in the phonebook .
- 5) <u>void showAll()-</u>This function is used to display all the contacts with their details of phonebook.
- 6) <u>void removeid()-</u>This function is used to remove contact the user no longer need.

# **Class Diagram:**



### Code:

#include <iostream>

#include<fstream>

#include <windows.h>

```
#include <conio.h>
#include <stdlib.h>
#include<string>
using namespace std;
class Phonebook
{
private:
  string name;
  string phn;
public:
  void menu();
  void getInput();
  void searchname();
  void updatenumber();
  void showAll();
  void removeid();
};
class ExtraDetails
{
private:
  string adr;
  string eml;
  string temp, temp2="*";
  int found = 0;
```

```
public:
  void searching();
  void assignaddress();
  void assignemail();
};
void ExtraDetails::searching()
{
 cout<<endl<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
    cout<<"_____"<<endl;
    cout<<"Enter Name: ";
    cin>>temp;
    ifstream in (temp+".txt",ios::app);
    in>>temp2;
   if(temp2!="*")
   {
     cout<<endl<<"Contact Found : "<<endl;</pre>
     found++;
    }
}
void ExtraDetails ::assignaddress()
{
 searching();
    if(!found)
    {
      cout << "Contact Not Found"<<endl;</pre>
```

```
cout<<"Press Enter...:) ";</pre>
       getch();
       system("cls");
      }
      else
      {
       fstream addresses;
       addresses.open(temp+" address.txt",ios::out);
       cout << "Enter Address :"<<endl;</pre>
       cin>>adr;
       addresses << adr;
       cout<<"Press Enter....:) ";</pre>
       getch();
       system("cls");
      }
}
void ExtraDetails::assignemail()
{
   searching();
      if(!found)
      {
        cout << "Contact Not Found"<<endl;</pre>
        cout<<"Press Enter...:) ";</pre>
       getch();
       system("cls");
      }
```

```
else
    {
     fstream addresses;
     addresses.open(temp+" email.txt",ios::out);
     cout << "Enter Email :"<<endl;</pre>
     cin>>eml;
     addresses << eml;
     cout<<"Press Enter....:) ";
     getch();
     system("cls");
    }
}
void Phonebook::menu() //TO SHOW MENU
  {
    cout<<endl<<"MENU:)";
cout<<endl<<"_____"<<endl;
cout<<endl<<" 1.Add a Contact "<<endl
    <<" 2.Search "<<endl
    <<" 3.Update a Contact "<<endl
    <<" 4.All Contacts "<<endl
    <<" 5.Delete Account "<<endl
    <<" 6.Add Extra Details "<<endl
    <<" 7.Exit "<<endl
    <<" 0.LogOut "<<endl;
  cout<<"_____";
  }
```

```
void Phonebook::getInput() //TO TAKE INPUT OF CONTACT NAME AND
NUMBER
 system("cls");
  cout<<endl<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
  cout<<"
                                                      "<<endl;
  cout<<"ENTER NAME: ";
  cin>>name;
  cout<<"ENTER NUMBER: ";
  cin>>phn;
 ofstream out (name+".txt");
  out<<phn;
  out.close();
 ofstream out1 ("All.txt", ios::app);
  out1<<name;
  out1<<endl;
  out1.close();
  int count=0;
 ifstream ina("Total.txt");
  ina>>count;
  ina.close();
 ofstream inb("Total.txt");
  inb<<(count+1);
  inb.close();
  cout<<endl<<"Contact Added ;)"<<endl;</pre>
```

```
cout<<"_____"<<endl;
       cout<<"Press Enter....:) ";</pre>
 getch();
 system("cls");
 }
void Phonebook::searchname() //TO SEARCH CONTACT
 {
   system("cls");
   cout<<endl<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
   cout<<"_____"<<endl;
   string temp, temp2="*",ad_temp,eml_temp;
   char choice3;
   cout<<"Enter Name: ";
   cin>>temp;
   ifstream in (temp+".txt",ios::app);
   ifstream ad_in (temp+" address.txt");
   ifstream eml_in (temp+" email.txt");
   in>>temp2;
   if(temp2!="*")
   {
     cout<<endl<<"Contact Found : "<<endl;</pre>
     cout<<"_____"<<endl;
     cout<<temp<<"\t"<<temp2<<endl;</pre>
     cout<<"Address:";</pre>
```

```
ad in>>ad temp;
 cout<<ad_temp<<endl;</pre>
 cout<<"Email:";</pre>
 eml_in>>eml_temp;
 cout<<eml_temp<<endl;</pre>
 cout<<"_____"<<endl;
cout<<endl<<"Do you want to edit this number? y/n:";
cin>>choice3;
switch(choice3)
{
case 'y':
  updatenumber();
  break;
case 'n':
 cout<<endl<<"Alright!! :)"<<endl;</pre>
    cout<<"_____"<<endl;
    cout<<"Press Enter...:) ";</pre>
  getch();
 system("cls");
  break;
default:
 cout<<"Oops!!Invalid Input"<<endl;</pre>
}
}
```

```
else
   {
     cout<<"SORRY:( Contact not found!"<<endl;</pre>
     cout<<"_____
                                                    "<<endl;
     cout<<"Press Enter...:) ";
     getch();
     system("cls");
   }
   in.close();
   eml_in.close();
   ad_in.close();
void Phonebook::updatenumber() //TO UPDATE A CONTACT
 {
   system("cls");
    cout<<endl<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
   cout<<" "<<endl;
   string temp, temp1="*", temp2;
   cout<<"Enter CONTACT NAME to be updated : ";</pre>
   cin>>temp;
   ifstream inin(temp+".txt");
   inin>>temp1;
   if(temp1!="a")
   {
     cout<<"The Previous Number is : "<<temp1<<endl;</pre>
```

```
inin.close();
   cout<<"Please Enter the New Number: ";
   cin>>temp2;
   ofstream outout(temp+".txt");
   outout<<temp2;
   outout.close();
   cout<<endl<<"Contact Updated :)"<<endl;</pre>
       cout<<"_____"<<endl;
       cout<<"Press Enter...:) ";</pre>
       getch();
       system("cls");
   }
   else
   {
     cout<<"SORRY :( Number is not present"<<endl;</pre>
     cout<<" "<<endl;
       cout<<"Press Enter....:) ";
       getch();
       system("cls");
   }
 }
void Phonebook :: showAll()//TO SHOW ALL CONTACTS
 {
   cout<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
   cout<<"_____"<<endl;
```

```
int count, num;
   string temp, temp2;
   ifstream ins("Total.txt");
   ins>>count;
   ins.close();
   ifstream osd("All.txt");
   for(int i=1;i<=count;i++)</pre>
   {
     osd>>temp;
     ifstream qwe(temp+".txt");
     qwe>>temp2;
     cout<<temp<<"\t"<<temp2<<endl;</pre>
   }
   ifstream no("Total.txt");
   no>>num;
   cout<<" "<<endl;
   cout<<endl<<"Total number of contacts are : " <<num<<endl;
   cout<<" "<<endl;
        cout<<"Press Enter....:) ";</pre>
   getch();
   system("cls");
 }
void Phonebook :: removeid() //TO DELETE ACCOUNT
{
 string naam,temp="*",temp2,fav,temp3;
 cout<<"Enter username : ";</pre>
```

```
cin>>naam;
ifstream m(naam+".txt" ,ios::app);
m>>temp;
m>>temp2;
m.close();
if(temp!="*")
{
  cout<<"Answer to you security question to delete."<<endl;</pre>
  cout<<endl<<"YOUR FAVORITE COLOUR???: ";</pre>
  cin>>fav;
  ifstream s(fav+".txt" ,ios::app);
  s>>temp3;
  s.close();
if(temp3 !="*")
{
   if(fav==temp3)
  {
    system("cls");
    cout<<endl<<"Alright!!"<<endl;
    int count;
string te,tm,temp1, temp4="1",temp_address,temp_email;
ifstream tu("Total.txt");
tu>>count;
tu.close();
ifstream t("All.txt");
for(int i=0;i<=count;i++)</pre>
```

```
{
  t>>temp;
  temp1=temp+".txt";
  temp_address=temp+" address.txt";
  temp_email=temp+" email.txt";
  remove(temp1.c_str());
  remove(temp_address.c_str());
  remove(temp_email.c_str());
}
t.close();
string temp3="All.txt";
remove(temp3.c_str());
ofstream tus("Total.txt");
tus<<0;
tus.close();
remove("Total.txt");
ofstream tush("SoL.txt");
tush<<1;
tush.close();
remove("SoL.txt");
te=naam+".txt";
remove(te.c_str());
```

```
tm=fav+".txt";
  remove(tm.c_str());
  cout<<"DELETED SUCCESSFULLY"<<endl;</pre>
  getch();
  system("cls");
    }
  }
  else
  {
  cout<<endl<<"Wrong answer to security question!!"<<endl;</pre>
  cout<<endl<<" Can't Delete!!"<<endl;</pre>
  getch();
  system("cls");
  }
  }
else
    {
    cout<<"WRONG USERNAME ENTERED"<<endl;</pre>
```

```
cout<<endl<<"Can't Delete!!"<<endl;</pre>
    getch();
    system("cls");
    }
    return;
}
int registerid() //FUNCTION TO REGISTER
  {
  string username;
  string password;
  string security;
  cout<<endl<<"-----"
  <<"SIGNUP;)";
  cout<<"----"<<endl;
  cout<<"Enter USERNAME : ";</pre>
  cin>>username;
  cout<<"Set PASSWORD : ";</pre>
  cin>>password;
  cout<<"PLEASE ANSWER A SECURITY QUESTION"<<endl;</pre>
  cout<<"YOUR FAVORITE COLOUR? : ";</pre>
  cin>>security;
  ofstream obj3(username+".txt");
```

```
obj3<<username;
  obj3<<endl;
  obj3<<password;
  obj3.close();
  ofstream s(security+".txt");
  s<<security;</pre>
  s.close();
  cout<<endl<<"Your Are Successfully Signed Up:)"<<endl;</pre>
  ofstream w("SoL.txt");
  w<<2;
  getch();
  system("cls");
  return 2;
  }
int forgot() //TO RESET THE PASSWORD
{
  system("cls");
  string name;
  string pass;
  string temp2;
  string temp3="*";
  string temp="*";
  string fav;
  cout<<"RESETING PASSWORD "<<endl;</pre>
  cout<<endl<<"Enter Username:";
```

```
cin>>name;
  ifstream m(name+".txt" ,ios::app);
  m>>temp;
  m>>temp2;
if(temp!="*")
  {
    cout<<"Answer to you security question to reset password..."<<endl;
    cout<<endl<<"YOUR FAVORITE COLOUR???: ";
    cin>>fav;
    ifstream s(fav+".txt" ,ios::app);
    s>>temp3;
    if(temp3 !="*")
    {
        system("cls");
        cout<<endl<<"Alright!!"<<endl;</pre>
        cout<<endl<<"Hy "<<temp<<" Remember your password this time
;)"<<endl;
        cout<<endl<<"ENTER NEW PASSWORD:";
        cin>>pass;
        ofstream o(name+".txt");
        o<<name;
        o<<endl;
        o<<pass;
        /*ofstream out1 ("All.txt", ios::app);
        out1<<name;
        out1<<endl;
        out1.close();*/
```

```
cout<<"PASSWORD CHANGE SUCCESSFULLY"<<endl;
                                                            "<<endl;
        cout<<"
        cout<<"Press Enter....:) ";
        getch();
        system("cls");
        return 1;
   }
    else
      {
        cout<<endl<<"Wrong answer to security question!!"<<endl;</pre>
        cout<<endl<<"SUSPICIOUS LOGIN ATTEMPT!!"<<endl;
        getch();
       system("cls");
        return 2;
     }
 }
else
    {
   cout<<"WRONG USERNAME ENTERED"<<endl;</pre>
    cout<<endl<<"SUSPICIOUS LOGIN ATTEMPT!!"<<endl;
   getch();
   system("cls");
    return 3;
    }
```

```
int main()
 system("Color 02");
 Phonebook ph;
 ExtraDetails E;
 int SorL=1;
 cout<<endl;
 cout<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
                                                 "<<endl;
 cout<<"
   ifstream q("SoL.txt");
   q>>SorL;
   q.close();
   if(SorL == 1)
   {
     SorL=registerid();
     system("cls");
   }
   if(SorL == 2)
   {
     START:
     string name, password;
     char pass[32];
     char a;
```

}

{

```
int i=0;
                                             string checkname, checkpass;
                                              int num;
                                             int choice, choice 2;
                                             int x;
                                             cout<<endl<<"----"
                                              <<"LOGIN;)";
                                              cout<<"----"<<endl;
                                             cout<<"Enter USERNAME : ";</pre>
                                             cin>>name;
                                              cout<<"Enter PASSWORD: ";
                                             for(i=0;;)
                                                            a=getch();
if((a>='a'\&\&a<='z')||(a>='A'\&\&a<='Z')||(a>='0'\&\&a<='9')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#')||(a=='\#'
                                                           {
                                                                            pass[i]=a;
                                                                             ++i;
                                                                           cout<<"*";
                                                            }
                                                            if(a=='\b')
                                                                            while(i>0)
                                                                             {
```

```
cout<<"\b \b";
    --i;
    break;
   }
  }
 if(a=='\r')
  {
    pass[i]='\0';
   break;
  }
}
ifstream s(name+".txt");
s>>checkname;
s>>checkpass;
s.close();
if(checkname==name && checkpass==pass)
{
  cout<<endl<<"You Are Successfully Logged In :)"<<endl;</pre>
  cout<<"
                          "<<endl;
  cout<<"Press Enter....:) ";</pre>
  getch();
  system("cls");
```

```
do
 cout<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
 cout<<"_____
                                                 "<<endl;
   ifstream no("Total.txt");
   no>>num;
   no.close();
   cout<<endl<<"TOTAL CONTACTS : " <<num<<endl;</pre>
   ph.menu();
   cout<<endl<<"ENTER YOUR CHOICE: ";
   cin>>choice;
   system("cls");
   if(choice ==0)
   {
     goto START;
   }
   switch(choice)
   {
     case 1:
       ph.getInput();
       break;
     case 2:
       ph.searchname();
       break;
     case 3:
```

```
ph.updatenumber();
                break;
              case 4:
                ph.showAll();
                break;
              case 5:
                ph.removeid();
                break;
              case 6:
                system("cls");
                int ch;
                cout<<" PHONEBOOK MANAGEMENT SYSTEM"<<endl;
                                 "<<endl;
cout<<"
                cout<<" 1.Add address "<<endl;
                cout<<" 2.Add email "<<endl;
                cin>>ch;
                switch(ch)
                {
                  case 1 : E.assignaddress();
                  break;
                  case 2 : E.assignemail();
                  break;
                  default : cout << "Invalid Input";</pre>
                break;
```

```
case 7:
           exit(0);
           return 0;
         default:
        cout<<"Invalid Choice"<<endl;
      }
  }while (choice != 0 && choice != 5);
}
else
{
  system("cls");
  cout<<endl<<"OOPS!!!Username or Password is Incorrect :( "<<endl;</pre>
  do
  cout<<endl<<"PRESS 1 LOGIN AGAIN"<<endl;
  cout<<"PRESS 2 RESET PASSWORD!"<<endl;</pre>
  cin>>choice2;
  switch(choice2)
  {
   case 1:
     system("cls");
  goto START;
  break;
  case 2:
```

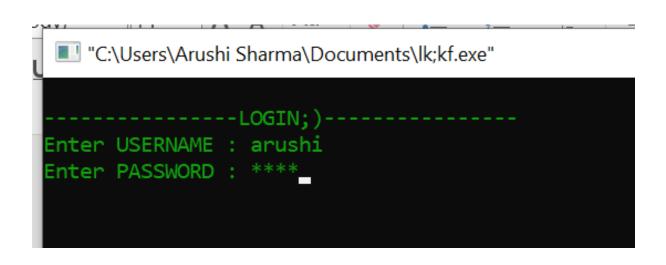
```
x=forgot();
         if(x==1 | | x==2 | | x==3)
           goto START;
         }
         break;
         default:
           cout<<"INVALID CHOICE"<<endl;</pre>
           system("cls");
        }
         } while(choice2!=1 && choice2 !=2);
      }
    }
  return 0;
}
```

**Results and Discussions:** 

```
"C:\Users\Arushi Sharma\Documents\lk;kf.exe"

PHONEBOOK MANAGEMENT SYSTEM

-----SIGNUP;)-----
Enter USERNAME: phonebook
Set PASSWORD: phone
PLEASE ANSWER A SECURITY QUESTION
YOUR FAVORITE COLOUR?: black
Your Are Successfully Signed Up:)
```



```
"C:\Users\Arushi Sharma\Documents\lk;kf.exe"

OOPS!!!Username or Password is Incorrect :(

PRESS 1 LOGIN AGAIN

PRESS 2 RESET PASSWORD!

2_
```

# "C:\Users\Arushi Sharma\Documents\lk;kf.exe"

# RESETING PASSWORD

Enter Username:rush
WRONG USERNAME ENTERED

SUSPICIOUS LOGIN ATTEMPT!!

"C:\Users\Arushi Sharma\Documents\lk;kf.exe"

# RESETING PASSWORD

Enter Username:phonebook

Answer to you security question to reset password...

YOUR FAVORITE COLOUR??? : black

```
"C:\Users\Arushi Sharma\Documents\lk;kf.exe"

Alright!!

Hy phonebook Remember your password this time ;)

ENTER NEW PASSWORD:phone
PASSWORD CHANGE SUCCESSFULLY

Press Enter...:)
```

```
"C:\Users\Arushi Sharma\Documents\lk;kf.exe"

-----LOGIN;)-----
Enter USERNAME: phonebook
Enter PASSWORD: *****

You Are Successfully Logged In:)

Press Enter...:)
```

# "C:\Users\Arushi Sharma\Documents\lk;kf.exe"

```
PHONEBOOK MANAGEMENT SYSTEM

TOTAL CONTACTS: 1

MENU:)

1.Add a Contact
2.Search
3.Update a Contact
4.All Contacts
5.Delete Account
6.Add Extra Details
7.Exit
0.LogOut

ENTER YOUR CHOICE: 1
```

# "C:\Users\Arushi Sharma\Documents\lk;kf.exe" PHONEBOOK MANAGEMENT SYSTEM ENTER NAME : arushi ENTER NUMBER : 3452111 Contact Added ;) Press Enter...:) \_

```
"C:\Users\Arushi Sharma\Documents\drd.exe"

PHONEBOOK MANAGEMENT SYSTEM

TOTAL CONTACTS: 5

MENU:)

1.Add a Contact
2.Search
3.Update a Contact
4.All Contacts
5.Delete Account
6.Add Extra Details
7.Exit
9.LogOut

ENTER YOUR CHOICE: 6
```

```
PHONEBOOK MANAGEMENT SYSTEM

1.Add address
2.Add email

PHONEBOOK MANAGEMENT SYSTEM

PHONEBOOK MANAGEMENT SYSTEM

Enter Name : arushi

Contact Found :
Enter Address :
alps
Press Enter...:) _
```

```
"C:\Users\Arushi Sharma\Documents\drd.exe"

PHONEBOOK MANAGEMENT SYSTEM

1.Add address
2.Add email
2

PHONEBOOK MANAGEMENT SYSTEM

Enter Name: arushi

Contact Found:
Enter Email:
24arushigmail
Press Enter...:)
```

"C:\Users\Arushi Sharma\Documents\drd.exe"

PHONEBOOK MANAGEMENT SYSTEM

TOTAL CONTACTS: 5

MENU:)

1.Add a Contact
2.Search
3.Update a Contact
4.All Contacts
5.Delete Account
6.Add Extra Details
7.Exit
0.LogOut

ENTER YOUR CHOICE: 2

"C:\Users\Arushi Sharma\Documents\drd.exe"

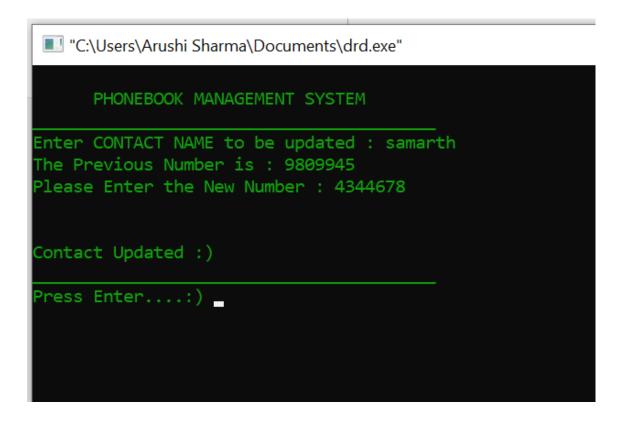
PHONEBOOK MANAGEMENT SYSTEM

Enter Name : samarth

Contact Found :

samarth 9809945
Address : delhi
Email : samarthbh

Do you want to edit this number? y/n : y\_



```
"C:\Users\Arushi Sharma\Documents\drd.exe"

PHONEBOOK MANAGEMENT SYSTEM

TOTAL CONTACTS: 5

MENU:)

1.Add a Contact
2.Search
3.Update a Contact
4.All Contacts
5.Delete Account
6.Add Extra Details
7.Exit
0.LogOut

ENTER YOUR CHOICE: 3
```

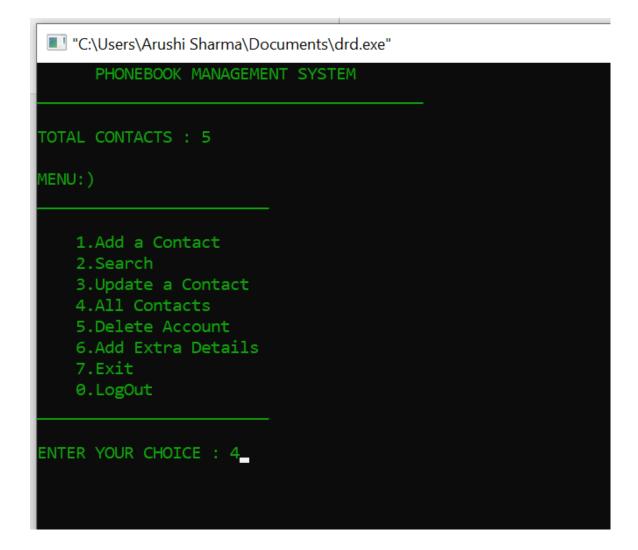
```
"C:\Users\Arushi Sharma\Documents\drd.exe"

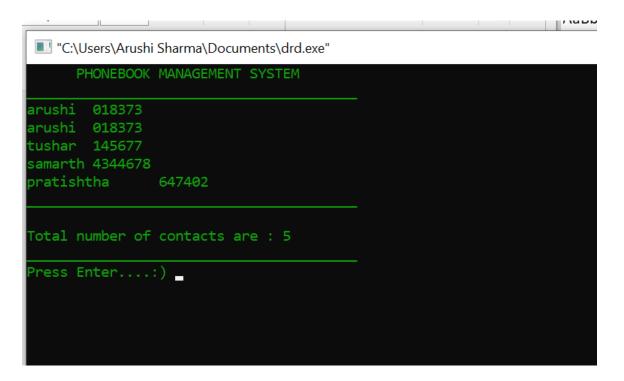
PHONEBOOK MANAGEMENT SYSTEM

Enter CONTACT NAME to be updated : arushi
The Previous Number is : 3452111
Please Enter the New Number : 018373

Contact Updated :)

Press Enter...:)
```





```
"C:\Users\Arushi Sharma\Documents\kz.exe"

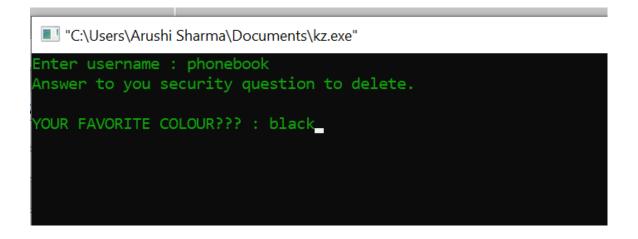
PHONEBOOK MANAGEMENT SYSTEM

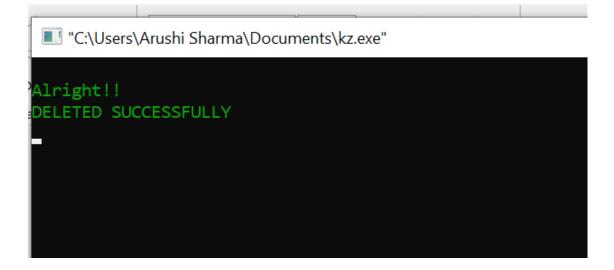
TOTAL CONTACTS: 5

MENU:)

1.Add a Contact
2.Search
3.Update a Contact
4.All Contacts
5.Delete Account
6.Add Extra Details
7.Exit
0.LogOut

ENTER YOUR CHOICE: 5_
```





**Conclusion:** This phonebook management project gave us greater insight in understanding file-handling, uml and various other topics used.

Reference: https://www.codewithc.com/mini-project-in-c-phonebook/