TEAM
FANTASTIC
FOUR
PRESENTS

PHONEBOOK
APPLICATION
USER MANUAL

FIRST EDITION

CONTENT

MEET WITH DEVELOPERS

Back End and Unit Testing

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Product Name : Phonebook Application

This Project is Based on Singly linked list. We also use Structure, File and Pointer. After using our Product You can :

i. Add record.

ii. View List in Ascending Order.

iii. Search record.

iv. Modify record.

v. Delete record.

We are not limited to this, The most exiting Feature of our product is Security section. We use Register , Log in and most importantly log out.

In our Application Homepage, It contains three different option.

- Log in.
- Registration.
- Developers Option.

We thought about the security of our app, and we are thinking also right now how to improve this security better and more better. We add the registration option for our security issue. User can registration our application by the simple information. user also can set is user id and password by registration option.

In the log in option ,If a user wants to login to the app, he must provide his user ID and password. Then he can Use our application with full features.

In the developer option, user can find our developer easily and they can reply and feedback us by this option.

It is to be noted that we have brought various warnings regarding Covid-19 in our application.

The Home interface is:

```
    *****************************************************************
    **------------Welcome to Phone book Application------------**
    **                                                         **
    **                                                         **
    **              [1] Login user                             **
    **              [2] Register User                          **
    **              [4] Go to Developer option                 **
    **              [0] EXIT!                                   **
    **                                                         **
    **              STAY HOME || STAY SAFE                     **
    **                                                         **
    *****************************************************************

========>>Enter Your Choise :
```

Registration :

In this sub page people can register our application by set their first name, last name, email, user-id and password.

```
=====================[ User Registration ]=====================

======> Enter your first name : Mahfuzur

======> Enter your last name  : rahman

======> Enter Your email      : mafu@gmail.com

======> Enter your user name  : my

======> Enter your password   : 12
```

After completing the registration, he will get the login option where he can login with his registered user ID and password.

```
=====================[ LOG IN ]=====================

:::::::::: UserID   : my

:::::::::: Password : 12



   >> ***successfully log in



   >>Do not forget to wash your hand before continue :D
   >>Don't Forget, You are the valueable client of our company :D

   >> ***Press any key to continue.....
```

Log in:

User can also log in our application by home page. After clicking on the login option, the user will be taken to the login subpage, where the user can log in with his registered user-id and password.

```
=====================[ LOG IN ]==========
::::: UserID    : my
::::: Password  : 12
```

```
>> ***successfully log in


>>Do not forget to wash your hand before continue :D
>>Don't Forget, You are the valueable client of our company :D

>> ***Press any key to continue.....
```

After Log in user can use our main features.

```
>>>> Welcome to Phone Book Management system
=====> [01] Add Record Phone Book
=====> [02] View Phone Book List
=====> [03] Search in Phone Book Record
=====> [04] Modify Phone Book Record
=====> [05] Delete Phone Book Record
=====> [06] Delete All Phone Book Record
=====> [07] Logout.
=========>>Enter Your Choice :
```

Developer option : Here you can meet our developer.

```
================================================================
**------------Welcome to Phone book Application--------------**
**                                                          **
**    Meet our Back End & Font End Developers:              **
**                                                          **
**       [1]Md.Mahfuzur Rahman     || Id:193-15-13416       **
**       [2]Md.Abdullah Ibna Harun || Id:193-15-13426       **
**       [3]Md.Abidur Rahman Khan  || Id:193-15-13374       **
**       [4]Md.Mahade Hassan Forhad|| Id:193-15-13355       **
**                                                          **
**       |||>>> Thank you for using our software <<<|||     **
**                                                          **
**    (C)2020 DS Project  Group:1  All Rights Reserved      **
**                                                          **
**                                                          **
**               Press any key for Main Menu!!...           **
**               Press [0] for Exit!!...                    **
```

Add record

After log in you can find Add record option ,where you can add People name, phone number and email. One of our special features is that you can add multiple phone numbers at once. Entering Add record option by pressing "1" you can select how many people you want to add your phonebook at once. If you want, you can add contacts one by one.

```
=====> [01] Add Record Phone Book
```

```
::::: Data Insert Operation ::::::
      How many mobile you want to add: 2
1 ) Input Name     : chandu
Input Email        : chan@mail.com
Input Mobile mobile : 01700000000
2 ) Input Name     : forhad
Input Email        : forhad420@mail.com
Input Mobile mobile : 01700000420
==Data insert successfully==

      Any key to continue .....
```

View Phone Book List :

In this option you can find the all contact record or that you saved in your phonebook by pressing option "2".

```
=====> [02] View Phone Book List
```

```
"C:\Users\DECENT COMPUTER\Desktop\PHONEBOOK V6.0\bin\Debug\PHONEBOOK V6.0.exe"                    —   □   ×

########  All Contact :

**********************************************************************************************
No .           Name                    Email                         Mobile
==========================================================================================
1        Mahfuz                  mafu@gmail.com                017
2        Taj                     taj@mail.com                 018
3        rahan                   rah@mail.com                 019
4        Jack                    jack@mail.com                01777777777
5        chandu                  chan@mail.com                01700000000
6        forhad                  forhad420@mail.com           01700000420

         Press any Key to go operation mood .....
```

Search in Phone Book Record :

In this Option you can search Specific Person to know the details of that person. You have to press "3" for this option. You can search a person from your contact by name and mobile number.

```
=====> [03] Search in Phone Book Record
```

After entering search option ,If you want to search by name you must press 1 and if you want to search by number you must press 2.

```
         ::::: Search Operation :::::
    Press 1: For Search By Name
    Press 2: For search By Phone mobile
    Press 0: For go back
    Choice :
```

Search By Name

```
              ::::: Search Operation :::::
      Press 1: For Search By Name
      Press 2: For search By Phone mobile
      Press 0: For go back
      Choice : 1


      Enter Name You want to Search : forhad


      Contact Details Found
              serial  : 6
              Name    : forhad
              Email   : forhad420@mail.com
              Phone NO.: 01700000420

Press any key to go back .........
```

Search by number

```
              ::::: Search Operation :::::
      Press 1: For Search By Name
      Press 2: For search By Phone mobile
      Press 0: For go back
      Choice : 2


      Enter Phone mobile You want to Search : 01700000000


      Contact Details Found
              serial  : 5
              Name    : chandu
              Email   : chan@mail.com
              Phone NO.: 01700000000

Press any key to go back .........
```

This message will show you if you search for a name or mobile number that does not include your contact

```
        ::::: Search Operation :::::
   Press 1: For Search By Name
   Press 2: For search By Phone mobile
   Press 0: For go back
   Choice : 1


   Enter Name You want to Search : zufham

              Data does not exist in the List


Press any key to go back ........
```

```
        ::::: Search Operation :::::
   Press 1: For Search By Name
   Press 2: For search By Phone mobile
   Press 0: For go back
   Choice : 2


   Enter Phone mobile You want to Search : 0179999999999

              Data does not exist in the List

Press any key to go back ........
```

Modify Phone Book Record

We are always moving forward with user friendly thinking. Suppose you have saved a number in the phonebook but you want to correct that contact, the name may be wrong or the number. You can modify it using this option. You have to press "4" to use this option.

```
=====> [04] Modify Phone Book Record
```

You can see this type of interface after clicking on the modify option. Where the complete contact list of your phonebook will be given. According to the serial you have to select which data you want to modify. If you want to modify the number one data then you have to press one in the modify option. After one press you will be asked if you want to change any of the contacts. Do you want to change the serial data number 1, name or email or phone number. Now suppose your contact name is mobile number. And in case of three mistakes in the email, another option has been created for you. Where you can change the name, email, mobile number of the serial together by using "" Modify All Records on That Position ".

```
            ::::: Modify/Update Operation :::::

########  All Contact :

**********************************************************************************
No .           Name                    Email                      Mobile
==================================================================================
1        Mahfuz                  mafu@gmail.com                   017
2        Taj                     taj@mail.com                     018
3        rahan                   rah@mail.com                     019
4        Jack                    jack@mail.com                    01777777777
5        chandu                  chan@mail.com                    01700000000
6        forhad                  forhad420@mail.com               01700000420


     Press any key to start operation...

     Which No. Data You want to Modify : 1


     Position valid-->
     Press 1: Modify  Name
     Press 2: Modify  Email
     Press 3: Modify  Phone mobile
     Press 4: Modify All record on that position
     Press 0: For go back
     Choice :
```

Modify Name

```
*****************************************************************************************
No .            Name                        Email                      Mobile
==========================================================================================
1       Mahfuz                      mafu@gmail.com                017
2       Taj                         taj@mail.com                  018
3       rahan                       rah@mail.com                  019
4       Jack                        jack@mail.com                 01777777777
5       chandu                      chan@mail.com                 01700000000
6       forhad                      forhad420@mail.com            01700000420


        Press any key to start operation...

    Which No. Data You want to Modify : 1


        Position valid-->
        Press 1: Modify  Name
        Press 2: Modify  Email
        Press 3: Modify  Phone mobile
        Press 4: Modify All record on that position
        Press 0: For go back
        Choice :


        1 No. Dataset -> Enter Name : Mdmahfuzur


    Data update successfully!


    Press Any Key to continue.....
```

Modify Phone Number:

```
########  All Contact :

*****************************************************************************************
No .            Name                        Email                      Mobile
==========================================================================================
1       Mdmahfuzur                  mafu@gmail.com                017
2       Taj                         taj@mail.com                  018
3       rahan                       rah@mail.com                  019
4       Jack                        jack@mail.com                 01777777777
5       chandu                      chan@mail.com                 01700000000
6       forhad                      forhad420@mail.com            01700000420


        Press any key to start operation...

    Which No. Data You want to Modify : 1


        Position valid-->
        Press 1: Modify  Name
        Press 2: Modify  Email
        Press 3: Modify  Phone mobile
        Press 4: Modify All record on that position
        Press 0: For go back
        Choice :


        1 No. Dataset -> Enter Mobile : 01794202020


    Data update successfully!


    Press Any Key to continue.....
```

Modify Email:

```
            ::::: Modify/Update Operation :::::

########  All Contact :

***************************************************************************************************
No .            Name                        Email                       Mobile
===================================================================================================
1       Mdmahfuzur                  mafu@gmail.com              01794202020
2       Taj                         taj@mail.com               018
3       rahan                       rah@mail.com               019
4       Jack                        jack@mail.com              01777777777
5       chandu                      chan@mail.com              01700000000
6       forhad                      forhad420@mail.com         01700000420


        Press any key to start operation...

        Which No. Data You want to Modify : 1


        Position valid-->
        Press 1: Modify  Name
        Press 2: Modify  Email
        Press 3: Modify  Phone mobile
        Press 4: Modify All record on that position
        Press 0: For go back
        Choice :


         1 No. Dataset -> Enter Email : mafu13@yahoo.com


        Data update successfully!
```

If all the information in your entire serial has been saved incorrectly. Then you can modify the entire information of that serial together through this option.

Modify all record by position

```
########  All Contact :

**********************************************************************************************
No .          Name                      Email                          Mobile
=============================================================================================
1       Mdmahfuzur              mafu13@yahoo.com                   01794202020
2       Taj                     taj@mail.com                      018
3       rahan                   rah@mail.com                      019
4       Jack                    jack@mail.com                     01777777777
5       chandu                  chan@mail.com                     01700000000
6       forhad                  forhad420@mail.com                01700000420


        Press any key to start operation...

        Which No. Data You want to Modify : 2


        Position valid-->
        Press 1: Modify  Name
        Press 2: Modify  Email
        Press 3: Modify  Phone mobile
        Press 4: Modify All record on that position
        Press 0: For go back
        Choice :

         2 No. Dataset -> Enter Name : Tanfijur

         2 No. Dataset -> Enter Email : taj99@hotmail.com

         2 No. Dataset -> Enter Mobile : 01820202020


        Data update successfully!


        Press Any Key to continue.....
```

After modifying all the records we can see, The way provided the data has changed.

```
########  All Contact :

**********************************************************************************************
No .          Name                      Email                          Mobile
=============================================================================================
1       Mdmahfuzur              mafu13@yahoo.com                   01794202020
2       Tanfijur                taj99@hotmail.com                 01820202020
3       rahan                   rah@mail.com                      019
4       Jack                    jack@mail.com                     01777777777
5       chandu                  chan@mail.com                     01700000000
6       forhad                  forhad420@mail.com                01700000420

        Press any Key to go operation mood .....
```

Modify Wrong Message

This will give you the result or message if you give wrong input while doing these tasks.

```
          ::::: Modify/Update Operation :::::

########  All Contact :

********************************************************************************************
No .          Name                          Email                        Mobile
==========================================================================================
1        Mdmahfuzur                    mafu13@yahoo.com                01794202020
2        Tanfijur                      taj99@hotmail.com               01820202020
3        rahan                         rah@mail.com                    019
4        Jack                          jack@mail.com                   01777777777
5        chandu                        chan@mail.com                   01700000000
6        forhad                        forhad420@mail.com              01700000420


     Press any key to start operation...

     Which No. Data You want to Modify : 8


     Invalid position !!! Sorry this operation unsuccessful

     Press any key to get back ....
```

```
          ::::: Modify/Update Operation :::::

########  All Contact :

********************************************************************************************
No .          Name                          Email                        Mobile
==========================================================================================
1        Mdmahfuzur                    mafu13@yahoo.com                01794202020
2        Tanfijur                      taj99@hotmail.com               01820202020
3        rahan                         rah@mail.com                    019
4        Jack                          jack@mail.com                   01777777777
5        chandu                        chan@mail.com                   01700000000
6        forhad                        forhad420@mail.com              01700000420


     Press any key to start operation...

     Which No. Data You want to Modify : 3


     Position valid-->
     Press 1: Modify  Name
     Press 2: Modify  Email
     Press 3: Modify  Phone mobile
     Press 4: Modify All record on that position
     Press 0: For go back
     Choice :


     Invalid Key....

      operation exit....
```

Delete Contact from Phonebook record

This option allows you to delete unnecessary contacts from your phonebook. After entering the delete option, you will be given the complete phonebook information. You can delete the number from there based on the name or mobile number.

```
=====> [05] Delete Phone Book Record
```

```
          ::::: Delete/Remove Operation :::::

########  All Contact :

********************************************************************************
No .           Name                   Email                    Mobile
================================================================================
1        Mdmahfuzur            mafu13@yahoo.com              01794202020
2        Tanfijur             taj99@hotmail.com             01820202020
3        rahan                rah@mail.com                  019
4        Jack                 jack@mail.com                 01777777777
5        chandu               chan@mail.com                 01700000000
6        forhad               forhad420@mail.com            01700000420


     Press any key to start operation...

     Press 1: For Delete By Name
     Press 2: For delete By Phone mobile
     Press 0: For go back
     Choice :
```

Delete by name

You can remove the person you want to remove from your phone book list by searching name.

```
########  All Contact :

********************************************************************************
No .           Name                   Email                    Mobile
================================================================================
1        Mdmahfuzur            mafu13@yahoo.com              01794202020
2        Tanfijur             taj99@hotmail.com             01820202020
3        rahan                rah@mail.com                  019
4        Jack                 jack@mail.com                 01777777777
5        chandu               chan@mail.com                 01700000000
6        forhad               forhad420@mail.com            01700000420


     Press any key to start operation...

     Press 1: For Delete By Name
     Press 2: For delete By Phone mobile
     Press 0: For go back
     Choice :


     Enter Name You want to Delete : rahan



     Data Deleted successfully !!


     Press any key to go back .........
```

Delete by phone number

You can remove the person you want to remove from your phone book list by searching phone number.

```
            ::::: Delete/Remove Operation :::::

########  All Contact :

*******************************************************************
No .         Name                    Email                  Mobile
===================================================================
1        Mdmahfuzur              mafu13@yahoo.com           01794202020
2        Tanfijur               taj99@hotmail.com           01820202020
3        Jack                   jack@mail.com               01777777777
4        chandu                 chan@mail.com               01700000000
5        forhad                 forhad420@mail.com          01700000420


      Press any key to start operation...

      Press 1: For Delete By Name
      Press 2: For delete By Phone mobile
      Press 0: For go back
      Choice :


      Enter Phone mobile You want to Delete : 01820202020



      Data Deleted successfully !!


      Press any key to go back ........
```

Wrong Message

This will give you the result or message if you give wrong input while doing these tasks.

```
            ::::: Delete/Remove Operation :::::

########  All Contact :

*******************************************************************
No .         Name                    Email                  Mobile
===================================================================
1        Mdmahfuzur              mafu13@yahoo.com           01794202020
2        Jack                   jack@mail.com               01777777777
3        chandu                 chan@mail.com               01700000000
4        forhad                 forhad420@mail.com          01700000420


      Press any key to start operation...

      Press 1: For Delete By Name
      Press 2: For delete By Phone mobile
      Press 0: For go back
      Choice :


      Invalid Key....

       operation exit....

      Press any key to go back .........
```

If you don't want to delete any contact then, you can press "0" for return to menu option.

After Deleting records we can see, The way provided the data has changed.

```
########  All Contact :

*************************************************************************************
No .            Name                        Email                      Mobile
=====================================================================================
1        Mdmahfuzur                 mafu13@yahoo.com                01794202020
2        Jack                       jack@mail.com                   01777777777
3        chandu                     chan@mail.com                   01700000000
4        forhad                     forhad420@mail.com              01700000420

         Press any Key to go operation mood .....
```

Delete all Phonebook records

Such a time may come for a user. At which point the user wants to delete all the records in his phonebook. But if he deletes the number from the phonebook one by one, it is a matter of time for him. To save the user that time, turn on this option to erase the whole phonebook with just one click. We care a lot about our users.

```
=====> [06] Delete All Phone Book Record
```

```
::::::::::::::All data deleted::::::::::::::

         Press any key to continue................
```

After clearing all the data in the phone book, we see that the data in our phone book is completely empty.

```
########  All Contact :

*************************************************************************************
No .            Name                        Email                      Mobile
=====================================================================================
         Press any Key to go operation mood .....
```

Log Out

We are very conscious about the security of our users. The logout system is included in our application so that no one else can access your data when it is recorded in the phonebook. Once you log out, no one will be able to enter the system without your user ID and password. You must register to enter.

```
=====> [07] Logout.
```

```
                Log out successfully !.....


                Thanks for using our Application
                Remember,You are the valuable client of our Comapnay


                Any key to continue........
```

FILE

We've tried to think of a lot as a security issue or backup to make our users' experience better. From there we have added files to our application. Through which you can see the entries of your phonebook inside the file as a backup. Also to increase your security, once you log out once, the second time you want to login, you will not be able to enter the system without your user ID and password. If you forget your user ID or password, you can easily access the file and see your user ID and password. Which you gave at the time of registration.

Registration Information

```
project.txt - Notepad                                    —   □   ✕
File  Edit  Format  View  Help
Mahfuzur        rahman          mafu@gmail.com   my      12
```

Phonebook Data list

```
info.txt - Notepad                                       —   □   ✕
File  Edit  Format  View  Help
Mdmahfuzur              mafu13@yahoo.com              01794202020
Jack            jack@mail.com           01777777777
chandu          chan@mail.com           01700000000
forhad          forhad420@mail.com              01700000420




                                    Ln 1, Col 1    100%   Windows (CRLF)   UTF-8
```

~~Thank you for using our application~~

Phonebook Application © Fantastic Four