PROJECT ON PHONEBOOK

Description

- Phonebook is a simple console application designed to demonstrate the practical use of C programming language and its features as wells as to generate an application which can be used in any mobile and other applications that need contact list.

- You can use this application to keep the records such as name, address, mobile number, se. E mail etc. of your regular costumer. Moreover, if you have a new customer, you can add and edit the new contact at any time.

- This Phonebook can be deployed in a real world situation. For example, it could be implemented for a telecommunication company to have effective contact list of the customer and it could also be deployed as contractor to already existing networks.

Requirements

High level requirement

- It can hold any number of contacts and contact can be added to the program at any time.
- This project in C gives you the facility of search the contact by name of the customer.
- And you can modify, view your contact list and delete your contacts.
- If you have nothing to do with the program, you can directly exit from the main menu.

Low level requirement

The low level Reqirement is this project are:-

- First we have to select what we want to do add contact, modify or delete as our contact list.
- Then you have to insert the value like contact name It will show all the details of particular contacts.

5W AND 1H

WHAT--

- Phonebook
- It keeps a record of contacts and its modification details.
- It shows all personal details of the contact.

WHY--

- To maintain contact of a persons.
- To keep the records such as name, address, mobile number, Email and all other personal details of a contact.
- It can be used by any shops or companies and all other people to access to their contacts in future.

WHEN--

- It is required to maintain contact list for future use.
- It act as a record for contacts.

WHERE--

- It can be used in any shops. companies and personal use of a person to save contacts for future use.

WHO--

- This Phonebook can be used by all people around the world.

HOW

- Using C programming language.
- Using software like visual studio code.
- It takes contact details as input and keeps a record of their personal information.

SWOT ANALYSIS

STRENGTH

- Easy to use.
- Keep good contact list with instant access.
- Helps people to remain more number of contacts and it is flexible.
- It can be accessible from anywhere.
- It also have enhanced security.

WEAKNESS

- There may be some ambiguity if we have same name contacts.
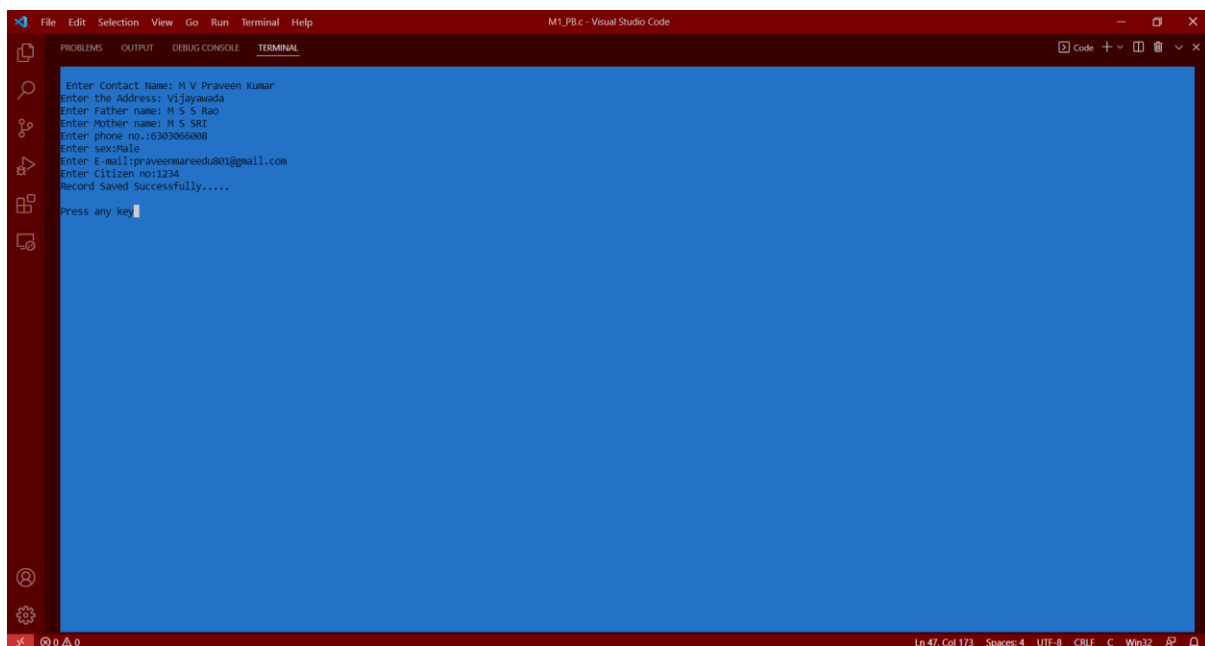
OPPURTUNITIES

- So many companies people and all other need phonebook to save there records for future use we could say all aorunfd the world.

THREAT

- More advanced softwaresare building to save contatcs including AI than this are used in today's otside world.
- There may be chance we could be saved with fake records.

OUTPUT:

 Your Rcord is

Name=M V Praveen Kumar
Address=Vijayawada
Father name=M S S Rao
Mother name=M S SRI
Mobile no=2008098712
Sex=Male
E-mail=praveenmareedu801@gmail.com
Citizen no=1234

------------------WELCOME TO THE PHONEBOOK--------------------

                    Menu

        1.Add New Contact

        2.Contact List

        3.Exit

        4.Modify my Contacts

        5.Search the Contact

        6.Delete Contacts
PS C:\Users\prave\Desktop> 3
3
PS C:\Users\prave\Desktop>

Enter name of a contact to modify:
M V Praveen Kumar
 Enter Contact Name:M V P K
Enter the Address:VIJ
Enter Father name:M S SRAO
Enter Mother name:M S S SRI
Enter Phone no:9030958645

Enter sex:MALE
Enter E-mail:PRAVEEN
Enter Citizen no
1234
 Your data modification is done.....
 Press any key

-----------------WELCOME TO THE PHONEBOOK--------------------

                    Menu

        1.Add New Contact
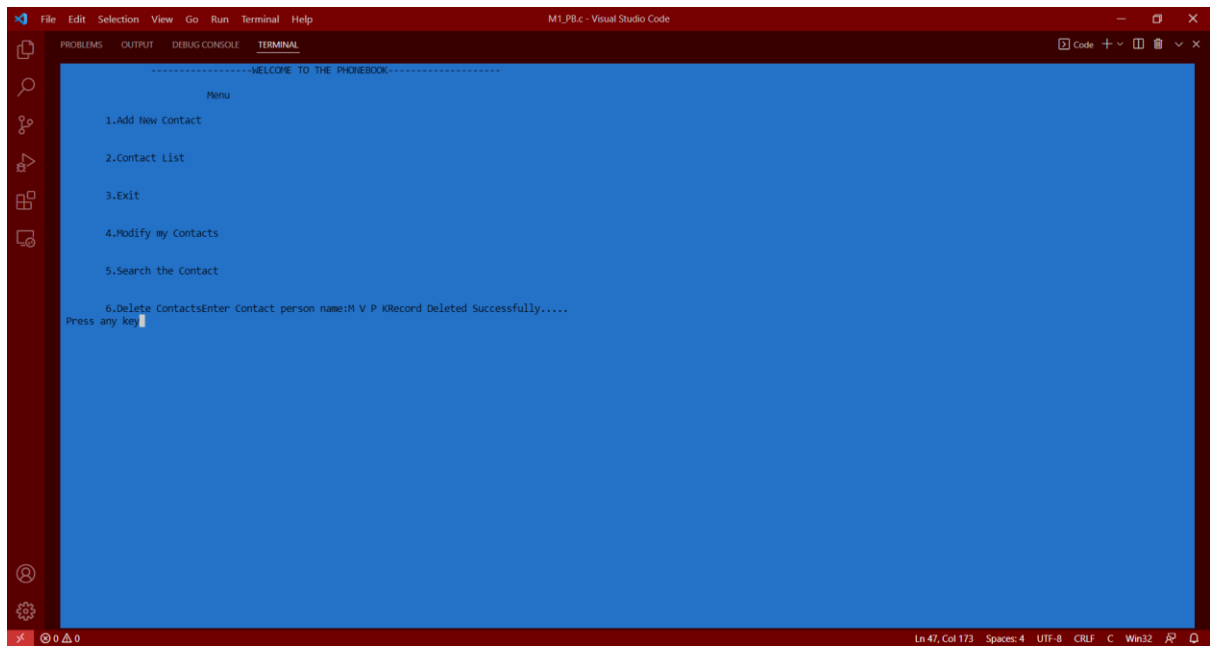
        2.Contact List

        3.Exit

        4.Modify my Contacts

        5.Search the Contact

        6.Delete Contacts
Enter the contact person name to search
M V P K
        Detail Information About M V P K
Name:M V P K
address:VIJ
Father name:M S SRAO
Mother name:M S S SRI
Mobile no:441024053
sex:MALE
E-mail:PRAVEEN
Citision no:1234
 Press any key

--------------------WELCOME TO THE PHONEBOOK--------------------

                        Menu

        1.Add New Contact

        2.Contact List

        3.Exit

        4.Modify my Contacts

        5.Search the Contact

        6.Delete ContactsEnter Contact person name:M V P KRecord Deleted Successfully.....
Press any key

FLOWCHARTS

```
                          ┌─────────┐
                          │  Start  │
                          └────┬────┘
                               │
                               ▼
              ┌──────────────────────────────────┐
              │   Menu for Phonebook Application   │
              └──────────────────┬─────────────────┘
                                 │
                                 ▼
                              ◇ 1 ◇
                               │
                               ▼
                      ╱ Read menu no ╱
                               │
                               ▼
                             ◇ n ◇
                               │
                               ▼
         (Module 1) ◄──── [ Case 1: ]
         (Module 2) ◄──── [ Case 2: ]
         (Module 3) ◄──── [ Case 3: ]
         (Module 4) ◄──── [ Case 4: ]
         (Module 5) ◄──── [ Case 5: ]
         (Module 6) ◄──── [ Case 6: ]
    (Enter 1 to 6 only) ◄──── [ Default: ]

                          ┌────────┐
                          │  Stop  │
                          └────────┘
```

Start

Menu for Phonebook Application

1

Read menu no

n

Module 1 — Case 1:

Module 2 — Case 2:

Module 3 — Case 3:

Module 4 — Case 4:

Module 5 — Case 5:

Module 6 — Case 6:

Enter 1 to 6 only — Default:

Stop

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                    ┌─────────────┐
                    │  Module 1   │
                    └──────┬──────┘
                           │
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                   ╱────────────────╲
                   │  Read menu no   │
                   ╲────────────────╱
                           │
                           ▼
            ╱───────────────────────────────────────╲
            │  Print All the contacts in the  Phonebook │
            ╲───────────────────────────────────────╱
                           │
                           │
                           ▼
                    ┌─────────────┐
                    │  Module 2   │
                    └──────┬──────┘
                           │
                           ▼
                   ╱────────────────╲
                   │  Read menu no   │
                   ╲────────────────╱
                           │
                           ▼
         ╱───────────────────────────────────────────╲
         │       Read Name,Address,Father              │
         │       Name,Mother Name,Phone                │
         │             number,Sex                      │
         ╲───────────────────────────────────────────╱
                           │
                           ▼
              ╱──────────────────────────╲
              │    Print Record saved      │
              ╲──────────────────────────╱
                           │
                           ▼
```

Module 3

Read menu no

Read the name entered to modify

Read the modified details

Name,Address,Father Name,Mother Name,Phone number,Sex

Print Your data modified

Module 4

Read menu no

Read the name to be searched

Print all the details of the
searched contact

9

```
                    ( Module 5 )
                         |
                         v
              / Read menu no        /
                         |
                         v
         / Read the name of the contact /
         /        to be deleted          /
                         |
                         v
        / Print Record deleted successfully /
```