CONTACT MANAGEMENT SYSTEM

A MINOR PROJECT REPORT

Submitted in partial fulfilment of the

Requirements for the Semester

By the students of

CSE w/s C.C :

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Aim :

The mini project 'Contact Management System' is the sample project for managing contact details. The project aims at developing contact management system using the C language that enables an organization or an individual to manage all its contacts in 1 place.

Project Explanation :

The project is Contact Management System:

- The aim of this project is to write a program that lets the user to perform any activity related to contact books such as adding a contact, deleting the contact, editing a contact etc..
- The program takes in the user input specifying what he wants to perform and then displays the result.
- Finally, at the end the program will ask you to choose if you want to go to the main menu and perform more activities or if you want to exit the program.

Conclusion :

- The main purpose of contact management system is to record and organize contacts. This makes it easy for an individual to find a contact or to edit a contact easily. An algorithm and flowchart has also been created to explain the working of the code.
- As a whole, this project has been a great learning experience for us. We have gained knowledge about the various aspects of C programming which will help us in our future projects.

OVERVIEW :

```
Input : contacts [] = {"fforfreak" , "freaksquit" }
        Query String = "freak"


Output : Suggestions based on "f" are

        fforfreak

        freaksquit


        Suggestions based on "fr" are

        freaksquit


        No Results Found for "fra"


        No Results Found for "frak"
```
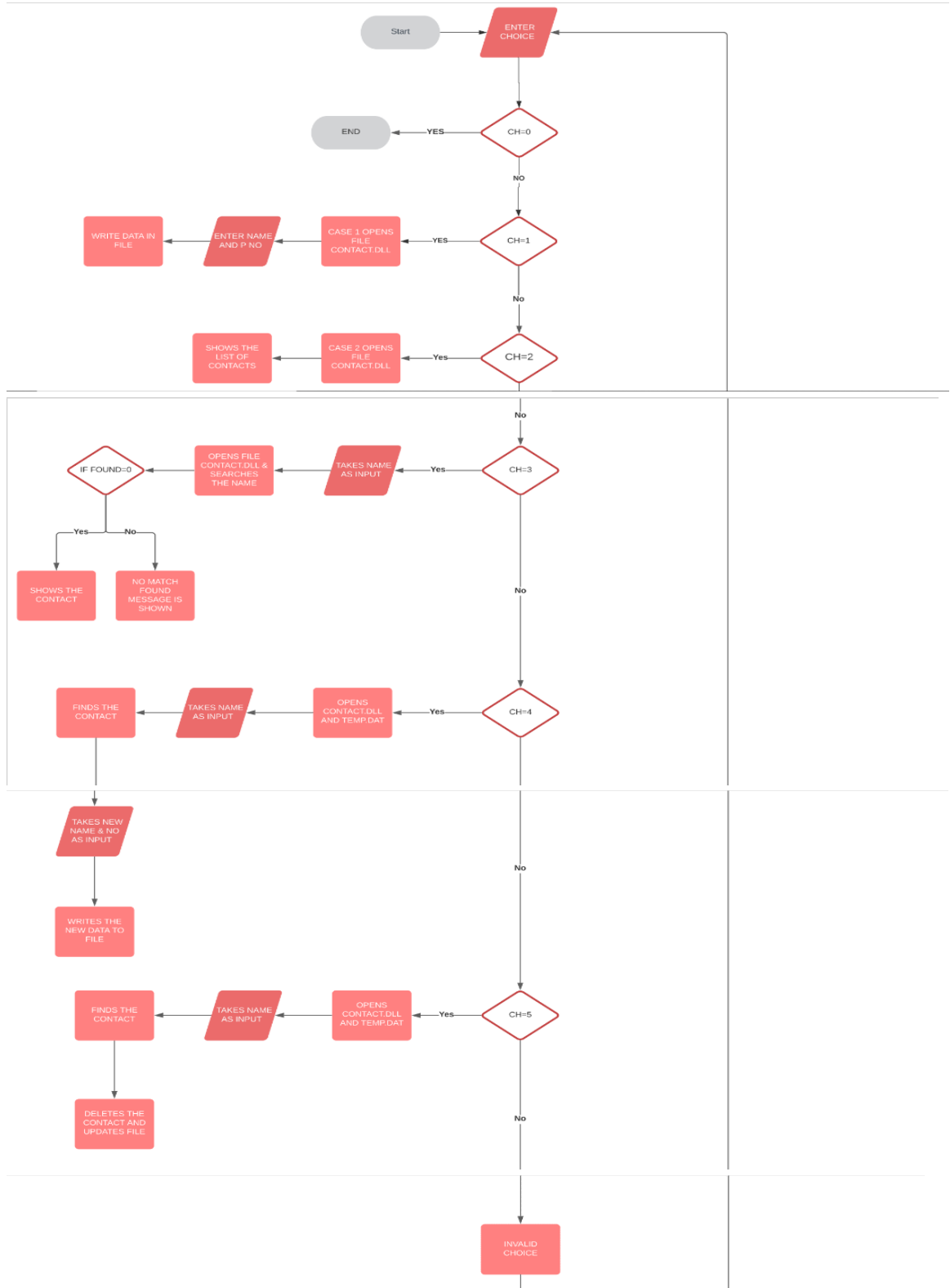
Flow Chart :

Start

ENTER CHOICE

CH=0 —YES→ END

NO

CH=1 —YES→ CASE 1 OPENS FILE CONTACT.DLL → ENTER NAME AND P NO → WRITE DATA IN FILE

No

CH=2 —Yes→ CASE 2 OPENS FILE CONTACT.DLL → SHOWS THE LIST OF CONTACTS

No

CH=3 —Yes→ TAKES NAME AS INPUT → OPENS FILE CONTACT.DLL & SEARCHES THE NAME → IF FOUND=0

IF FOUND=0 —Yes→ SHOWS THE CONTACT

IF FOUND=0 —No→ NO MATCH FOUND MESSAGE IS SHOWN

No

CH=4 —Yes→ OPENS CONTACT.DLL AND TEMP.DAT → TAKES NAME AS INPUT → FINDS THE CONTACT → TAKES NEW NAME & NO AS INPUT → WRITES THE NEW DATA TO FILE

No

CH=5 —Yes→ OPENS CONTACT.DLL AND TEMP.DAT → TAKES NAME AS INPUT → FINDS THE CONTACT → DELETES THE CONTACT AND UPDATES FILE

No

INVALID CHOICE

Algorithm :

- Start the program.
- Include the required header files and .c files.
- Define the global variables and structure.
- Declare the functions along with the main functions.
- Declare all the necessary variables.
- Ask for an input (to make a choice from the main menu).
- If the user chooses to exit, ask if he wants to exit and exit.
- If the user chooses to add a new contact, ask for the name and phone number and save it.
- If the user chooses to view the list of contacts, show all the saved contacts.
- If the user chooses to search a contact, ask for the name of the contact if the name of the contact matches with any names in the list then display it if not then print 'No match found!' and ask if they want to try again, if yes then ask for the name, if no then exit.
- If the user chooses to edit the contact, ask for the name that they want to edit then ask them to enter the new name and number and save the new edited contact.
- If the user chooses to delete the contact, ask for the name that they want to delete and delete the contact.

- If the user has given the wrong choice then print invalid choice, ask to enter the choice and give an option to choose from going to the main menu or to exit if they choose main menu then show main menu, if they choose exit then exit the program, if they choose the wrong option then print invalid choice.
- End the program.

Project :

https://github.com/Amaansabir28/sem2_miniproject