INPUT

AND

OUTPUT

HEADER FILES

AND

FUNCTIONS

HARDWARE AND SOFTWARE REQUIREMENTS

LIMITATIONS

AND

FUTURE SCOPE

INTRODUCTION TO

TELEPHONE

DIRECTORY

MANAGEMENT

FLOW CHART

A:

int main\_choice;

A

Print -> “WELCOME TO TELEPHONE

DIRECTORY”;

Print-> " MAIN MENU ";

(Printing all the choices)

Print->" ADD A NEW RECORD ..1";

Print->" DELETE A RECORD ..2";

Print->" MODIFY A RECORD ..3";

Print->" SEARCH A RECORD ..4";

Print->" SORTED INFORMATION ..5";

Print->" REOPORTS ..6";

Print->" DELETE ALL RECORDS ..7";

Print->" EXIT ..8";

Print->"ENTER YOUR CHOICE NO.--->";

cin>>main\_choice;

E

B:

A

switch(main\_choice)

Case 3:

pers.del\_object();

break;

Case 2:

break;

pers.add\_object();

Case 1:

B

C:

B

pers.modify\_object();

break;

Case 4:

pers.search\_object();

break;

C

Case 6:

break;

pers.sort\_object();

Case 5:

break;

D:

C

D

break;

pers.reports();

Case 7:

E:

break;

Print->"YOU HAVE ENDED THE SESSION";

Print->"THANK YOU";

delay(1000);

Case 8:

break;

pers.del\_all();

Print->ALL RECORDS DELETED";

Print->Press Any Key To Continue....;

pers.reports();

E

A

while(main\_choice!=8);

**HEADER FILES USED:**

* **#include<fstream.h>:** Used as header file defined in I/O library predescribed in C++ containing the iostream,fstream,ifstream files as well.
* **#include<conio.h>:** Used for clrscr() and getch() function for clearing the screen and printing the output just after entering records respectively.
* **#include<stdio.h>:** Used for remove() and rename() function (for removing and renaming a file respectively) used in file handling.
* **#include<string.h>:** Used for string comparison,calculating the string length.
* **#include<iomanip.h>:** Used for setw() function for setting of alignment in the program.
* **#include<dos.h>:**  Used for delay() function.

**FUNCTION USED:**

* **unsigned long get\_rec\_no():** Generating automatic record number for customer.
* **void get\_data():** Function to input data records for customers.
* **void show\_data():** Displaying individual customers telephone and address information.
* **void add\_object():** Appends new customer information into data file.
* **void make\_index():** Extracts the data records from file to linked list.
* **void sort\_name():** Arranges database acc. to name.
* **void sort\_recno():** Arranges database acc. to recno.
* **void sort\_pin():** Arranges database acc. to pin no.
* **void show\_object():** Functions to shows all the sorted data.
* **void sort\_print():** Prints the sorted record on screen.
* **void del\_object():** Used to delete a particular record of users choice.
* **void modify\_object():** Modify the customers information in database.
* **void search\_object():**  Using this function the phoneno.dat data file is searched according to RECORD ID,NO.,NAME,PHONE NO.,PINCODE respectively and displays all the records on the screen.
* **void sort\_object():** Arranges the database according to recno,name , pin respectively after users choice.
* **void del\_all():** Used to delete all the objects created.
* **void reports():** Used to generate different reports.