

मेडी-केप्स विश्वविद्यालय, इन्द्रीर

Medi-Caps University, Indore

Object oriented programming project

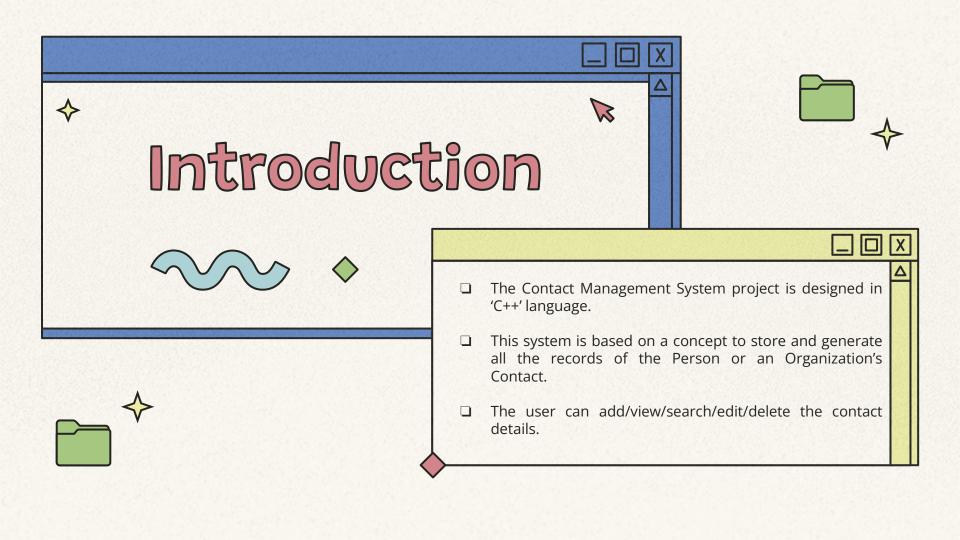
Topic: Contact Management System

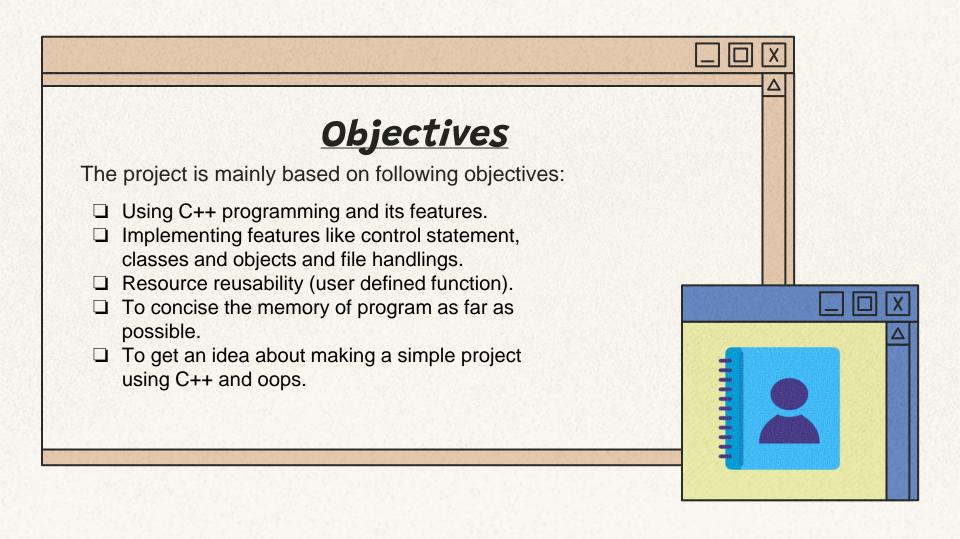
Submitted to:

Mr. Arpit Deo

Submitted by:

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What is OOP?

- Combines attribute with functions/methods into a unit called *Object*.
- ☐ Class-based language.
- □ Data attribute/functions are defined as blueprint for an object.
- multiple object instantiated/represented from same class.
- □ Popular example of class-based OOP language include Java, Python, C++, etc.

Concepts implemented in the project-

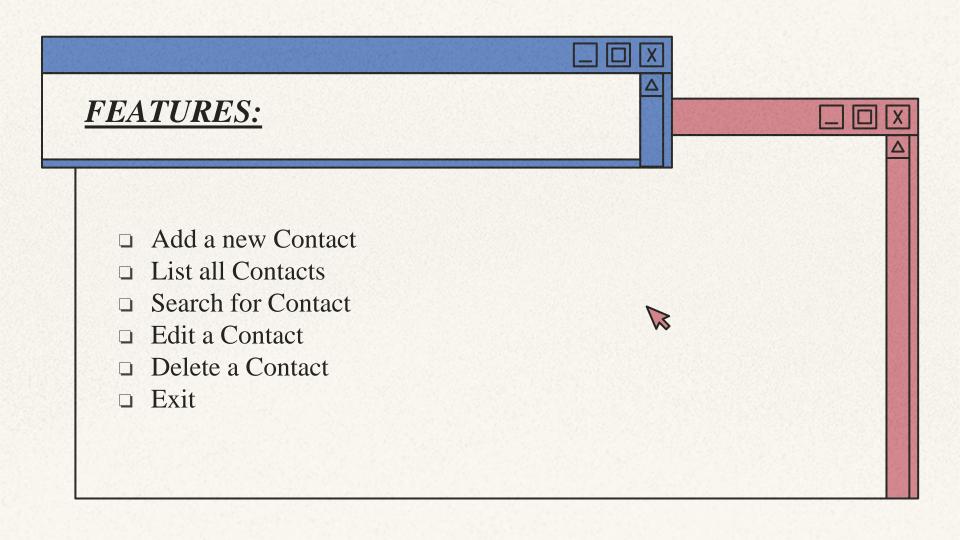
- ☐ Classes and objects
- ☐ Namespace
- ☐ Header files
- ☐ File handling

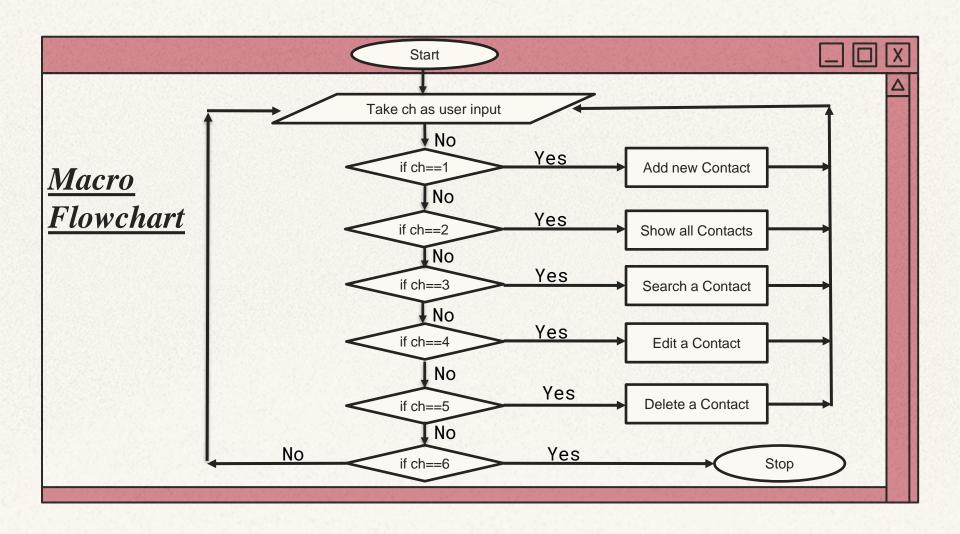
File Handling In C++

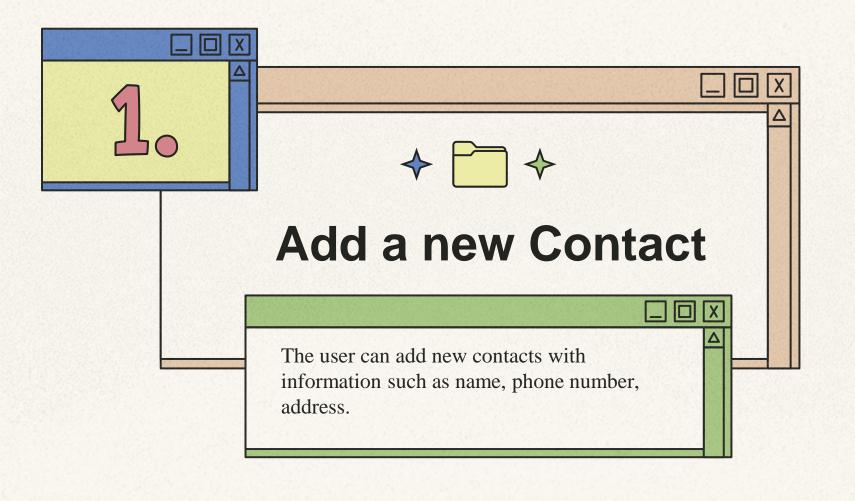
- ☐ Files store data permanently in storage device.
- ☐ File handling provides mechanism to store output of a program.
- □ C++ provides a set of file handling methods (ifstream, ofstream and fstream).
- ☐ These classes are derived from fstreambase and corresponding iostream class.
- ☐ These classes manages disk files, therefore compulsory to include in program which uses files.

In C++, files are mainly dealt by using three classes fstream, ifstream, ofstream.

- Ofstream: This Stream class signifies the output file stream and is applied to create files for writing information to files
- ☐ **Ifstream:** This Stream class signifies the input file stream and is applied for reading information from files
- ☐ **Fstream:** This Stream class can be used for both read and write from/to files.







Sample Output:









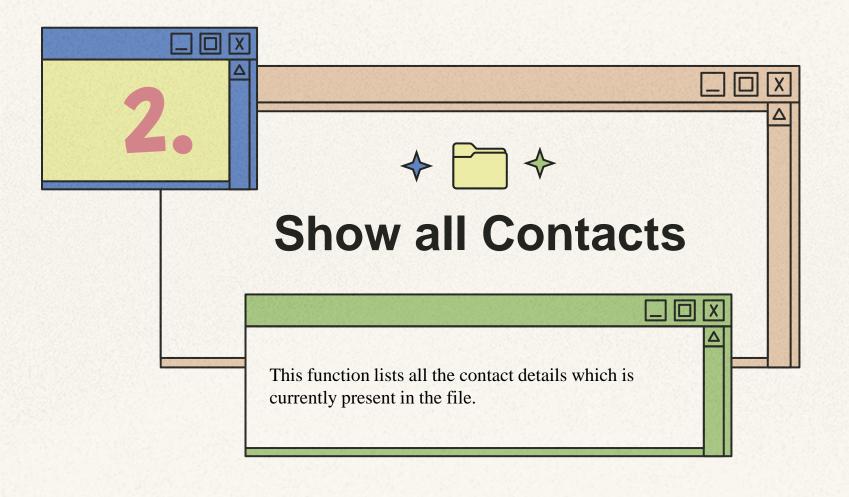
Add Contacts

Enter Name: Prateek Shah

Enter Mobile no.(along with country code): +918266975896

Enter Address: XYZ Colony, Varanasi Contact Details added successfully!!

Press Enter key to continue :



Sample Output:







Contact Details

Name: arya verma

Mobile: +911234567890 Address: film colony

Name: priyanshi agrawal Mobile: +916453728945 Address: shivmoti nagar

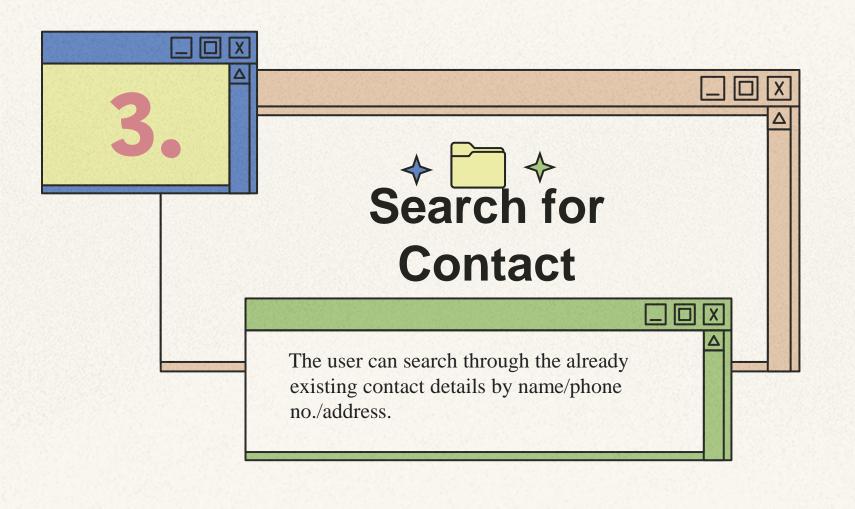
Name: viplave agrawal Mobile: +917869980037 Address: hardia compound

Name: prakalp gupta Mobile: +918109910410 Address: jabalpur

Name: Prateek Shah Mobile: +918266975896

Address: XYZ Colony, Varanasi

Press Enter key to Continue :



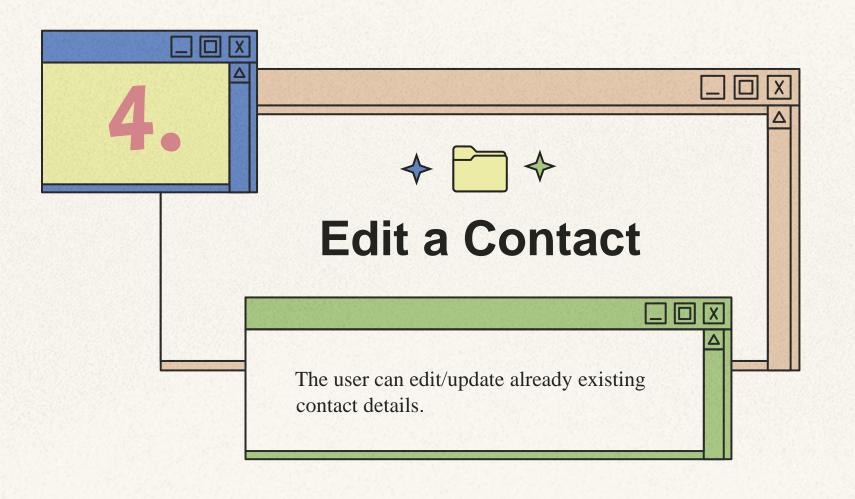
"D:\C++ programs\Mini Project\Contact-Management-System\contactmanagementsys.exe"

Search by Name || Number || Address

Enter Name/Number/Address you want to search : Priyanshi

Name: priyanshi agrawal Mobile: +916453728945 Address: shivmoti nagar

Enter any key to continue :











"D:\C++ programs\Mini Project\Contact-Management-System\contactmanagementsys.exe"

Edit a Contact

Enter contact details to be edited -

Enter Name: Prateek Shah

Enter Mobile no.(along with country code): +918266975896

Enter new contact details -

Enter Name: Prateek

Enter Mobile no.(along with country code): +918266975896

Enter Address : QWERT Colony, Indore Contact Details Updated successfully!!

Press Enter key to continue :

Contacts List after editing:







■ "D:\C++ programs\Mini Project\Contact-Management-System\contactmanagementsys.exe"

Contact Details

Name: arya verma Mobile: +911234567890

Address: film colony

Name: priyanshi agrawal Mobile: +916453728945 Address: shivmoti nagar

Name: viplave agrawal Mobile: +917869980037 Address: hardia compound

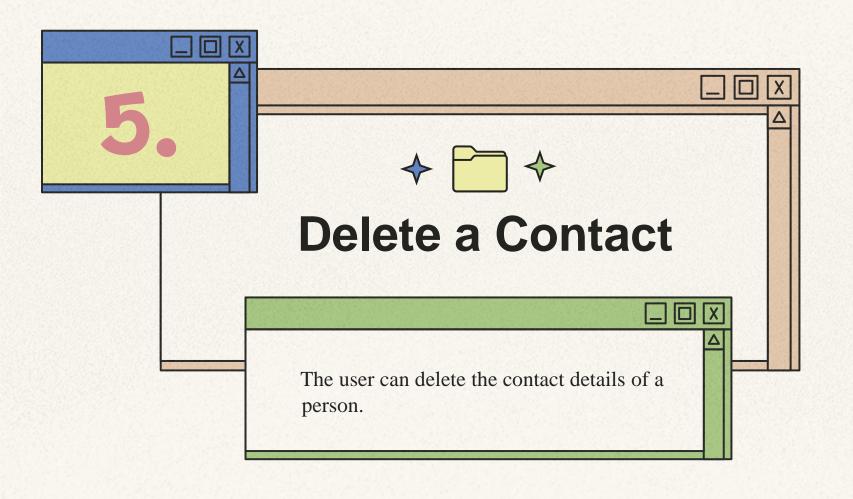
Name: prakalp gupta Mobile: +918109910410 Address: jabalpur

Name: Prateek

Mobile: +918266975896

Address: QWERT Colony, Indore

Press Enter key to Continue :



Sample Output:







"D:\C++ programs\Mini Project\Contact-Management-System\contactmanagementsys.exe"

Delete a Contact

Enter Name: Prateek

Enter Mobile no.(along with country code): +918266975896

Deletion Successful!

Press Enter key to continue :







■ "D:\C++ programs\Mini Project\Contact-Management-System\contactmanagementsys.exe"

Contact Details

Name: arya verma

Mobile: +911234567890 Address: film colony

Name: priyanshi agrawal Mobile: +916453728945 Address: shivmoti nagar

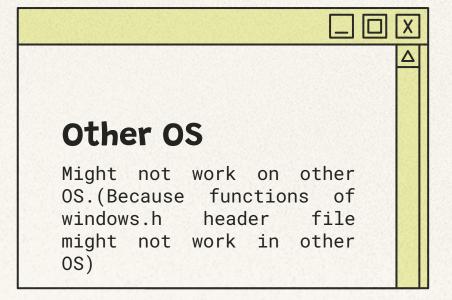
Name: viplave agrawal Mobile: +917869980037 Address: hardia compound

Name: prakalp gupta Mobile: +918109910410 Address: jabalpur

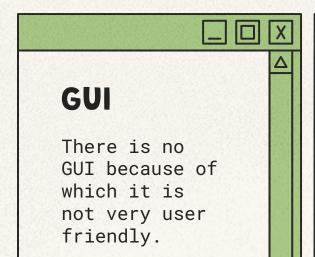
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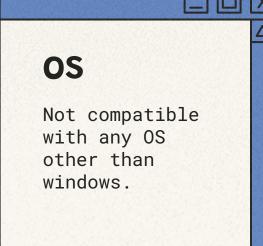


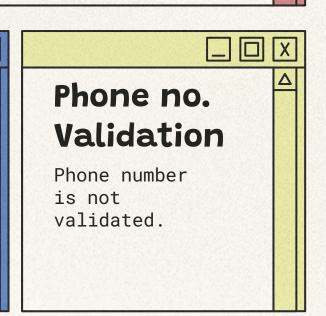








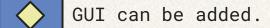








Scope of improvement



- Phone number validation can be added.
- Can be made compatible with more number of OS.
- Contact details can be arranged in alphabetical order by names.

We can also use any other kind of DBMS for proper management of data.

Notes

Other that these points there is more scope of improvement in this project.

If you all want to suggest any?







