**CONTACT MANAGEMENT SYSTEM**

**Programming Assignment**

**B.tech CS 2nd Year**

Submitted To: Submitted By:

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**INTRODUCTION**

* Introduction to CMS (contact management system) A Contact management system is a program that enables users to **easily store and find contact information** , such as Name, Relationship status , Addresses, Telephone numbers, and Email addresses .

**Functionalities provided by C++ Project**

* Provides the searching facilities based on various factors. Such as Reminders, Phone Numbers, Mobiles, Contacts
* College Management System also sells the employees details online for students details, employees details, courses.
* It tracks all the information of Address, Peoples, Mobiles etc
* Manage the information of Address
* Shows the information and description of the Reminders, Phone Numbers

**OBJECTIVE**

* The main objective of the C++ Project on Contact Management System is to manage the details of Contacts , Name, Relationship status , Phone , Address & Email id . It manages all the information about CONTACTS
* The purpose of the project is to build an application program to reduce the manual work for managing the contacts ,Phone Numbers , Names , Relationship status , Address & Email ids.
* All contacts and its information is saved in text file in the parent directory .
* The project is totally built at administrative end and thus only the administrator is guaranteed the access .
* Initialization of project is setup in such a way that multiple number of administrator users can access it with their special identity and password .

**Project Methodology**

* The project will be created with the help of C++ programming Language . Basically this program is created in the C - programming language and C++ TURBO IDE (can easily be found on internet) , for utilization of special purpose functions but for simple project I tried to convert this program syntax in to the syntax of C++ to use it in Dev C++ and visual Studio
* This project can be developed via use of File Handling , Link Listing , and Database Structure. One thing I found is that different methods may develop the program for extra special functions but they also bring flaws . So I simplified my program by use of File Handling using “Struct” which allowed me simplicity in coding and also allowed me to make my program User friendly yet user restrictions are also part of it .

**PARAMETER INVOVED**

* Functions
* Switches
* File handling
* Structures
* Go to statements
* FOR Visualization Attractiveness I used “SYSTEM color scheme tag”

**LEARNING FROM PROJECT**

* Learning which I developed from this project is • Basics of File handling , using of “class” and “struct” is cleared . • Many statements and codes and predefined functions which I had not used before are practically used in this project which help me to study them in detail . • I had learned is how to restrict the user throughout the program in different areas of input.

**ABOUT MY PROJECT NOW**

* MY project is Contact management system .
* It is a Multiple Administrative program .
* Administrators requires a unique ID and Password to access their Account .
* After execution the Signup / Login screen appears . After login is successful you reach Welcome screen where options of Add contact , View Contact list , Search Contact –via Number or –via Name , Delete the contact are available

**ABOUT MY PROJECT NOW**

* on clicking 1 – we enter add contact where Number [Restriction of user to give numbers only upto 11 digits which is according to numbers rules assigned by Govt of Pakistan] , Name , relationship status , Address & Email is Added . [if number is found already saved in any other contact it will prompt Contact already exists ].
* On clicking 2 –We reach the option of view wher we can check the list of existing contacts .
* On clicking 3 –We reach the option of Search , where user is allowed to search by name or number.
* On clicking 4 –we reach the option where again user is given option to find the contact with name or number and then contact is deleted .
* On clicking 5 –Administrator Exits from the program .
* In all 4 cases user is given an option to Exit program or Return back to Main menu .
* Every case consist of different system color scheme to make user enjoy using the CMS

**SCOPE IN BUSINESS FIELD**

* Business communities now requires advanced CMS systems giving number of advanced options and use to access online browsing .
* Now a days contact management systems have become so complicated that now different elite express communities have launched online CRM’system (customer relationship management ) which control and handle data with security and ease of access .