



Mini-Project Report on

CONTACT BOOK

A CONTACT MANAGEMENT SYSTEM
based on C Programming Language



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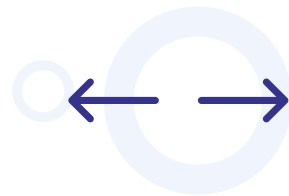
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PBL-Project | Content Table

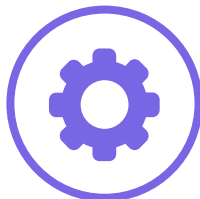


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Introduction to
Contact Management
System

Abstract &
Problem Statement



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LITERATURE
REVIEW

SYSTEM
ARCHITECHTURE



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PBL-Project | Group Mememebers



Member Name

Topics Distribution

PIYUSH KATOLE

Introduction to CONTACT BOOK

GOURAV KAR

LITERATURE REVIEW

MUDIT JAIN

SYSTEM ARCHITECTURE

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01 | PIYUSH KATOLE

- Introduction to 'CONTACT BOOK' a Contact Management System based on C Programming Language
- ABSTRACT



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Introduction to **CONTACT MANAGEMENT SYSTEM**



The Mini-Project 'CONTACT BOOK' is the sample project for managing contact details with many other info. Together. The Project Aims to develop Contact Management System using C Language that enable an person to maintain its Library.

A Contact Management System is a software tool that helps Peoples to Organize and Manage their Contacts. It enables users to store, retrieve, and manage contact Information in an organized and efficient manner and also provide Emergency Contacts like Police, Ambulance, Fire Station, etc.

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Introduction to **CONTACT MANAGEMENT SYSTEM**



Even reduces manual work for managing details through internet. This system not only capable of storing the details about the pre-existing customer but also performing necessary updates, as well as adding new information about recent customer activities.

In C language, contact management systems can be developed using various data structures such as arrays, linked lists, and tree. These data structures can be used to create a database of contacts and perform operations such as insertion, deletion, and searching.



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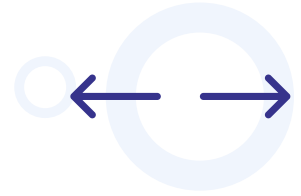
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PBL-Project | ABSTRACT



Contact Management System in C language is a Software Application designed to help people manage their Contacts and Communication with them, Which allows users to Store and Organize Contact Information, including Names, Phone Numbers, Email Addresses, and Other details. It includes features such as Contact Databases, Address Books developed by C programming language. It allow user to access the Emergency Contacts like Police, Ambulance, Fire Station, etc. It allows users to add, edit and Set Reminders, Delete contacts for important events and search for contacts. It also allow user to make NOTES for Individual Contacts.

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02 | GOURAV KAR

- PROBLEM STATEMENT
- LITERATURE REVIEW
- Uniqueness about CONTACT BOOK



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≡ PBL-Project | Problem Statement ← →

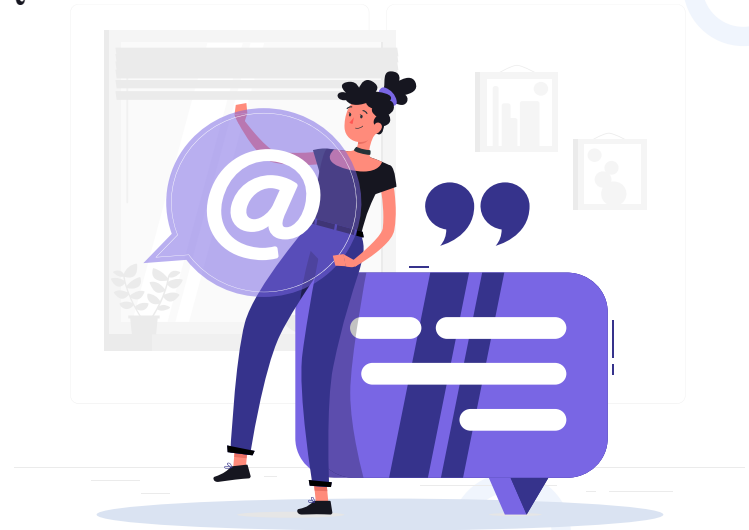
You have been asked to Develop a Contact Management System in C language. The System should allow users to Add, View, Delete, Search, and Display Contacts. Also shows Emergency Contacts, add Notes to individual contacts, Quick Dial.

FEATURES :

The System should provide the following options:

1. Add a new contact
2. Delete a Contact
3. Search for a Contact
4. Display all Contacts
5. Emergency Contacts
6. Add Notes
7. Edit Existing Contact
8. Logout

The task is to write a C Program that Implements the Contact Management System?



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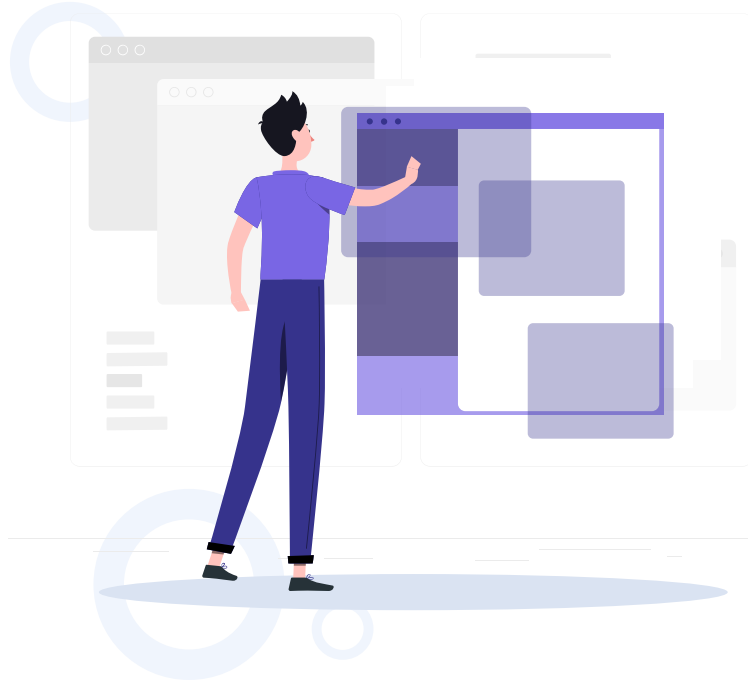
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PBL Project | LITERATURE REVIEW



1. LONG-LASTING RELATIONSHIPS :

In A core aspect of contact management is that it allows you to store extensive amounts of data about each person, such as name, email, mob. No., gender, etc. This allows your team to get to know and interact with your close people in a more personal way. With all this data, you maintain a much clearer picture of each and every person.

2. IMPROVED DATA MANAGEMENT :

When you store and manage your contact data in spreadsheets, you run the risk of human error in the data entry process. But when you have a contact management in place, all your contact data is stored in one central location and is accessible by all.

PBL Project | LITERATURE REVIEW

It removes the risk of human error because customer data is normally collected using web forms and is then automatically added to your database.

3. INCREASES SATISFACTION :

It's challenging to keep People satisfied if you are not using contact management. It also feels satisfactory as the Emergency Contacts are also been provided to the User by the system, and the note making feature to individual contact it means we can add notes to every single Contact.

This helps People feel valued and sends the message that you are paying close attention to them and what they need to be successful.



Uniqueness about CONTACT BOOK

There are so many Contact Management System Application available in market, but what are the Unique Point Which make CONTACT BOOK Different from Other Contact Management System, the following points are described below :

1. EMERGENCY CONTACTS :

Lots of same Contact system software's have only add, edit, view options but CONTACT BOOK also provides Emergency Contact Numbers like Police, Ambulance, Fire Station, etc.

2. QUICK DIAL :

This Feature is the feature which make your work more faster, this helps user to dial contacts faster by adding important contacts in the priority List, which is again most of applications no providing but CONTACT BOOK do.

3. ADD NOTES :

This feature helps User to add Notes to individual Contacts , which help user to recall the events related to that contact faster. Also this helps to add imp. Notes to the contact which is used at the time of use.



03 | MUDIT JAIN

- SYSTEM ARCHITECTURE
- System Features



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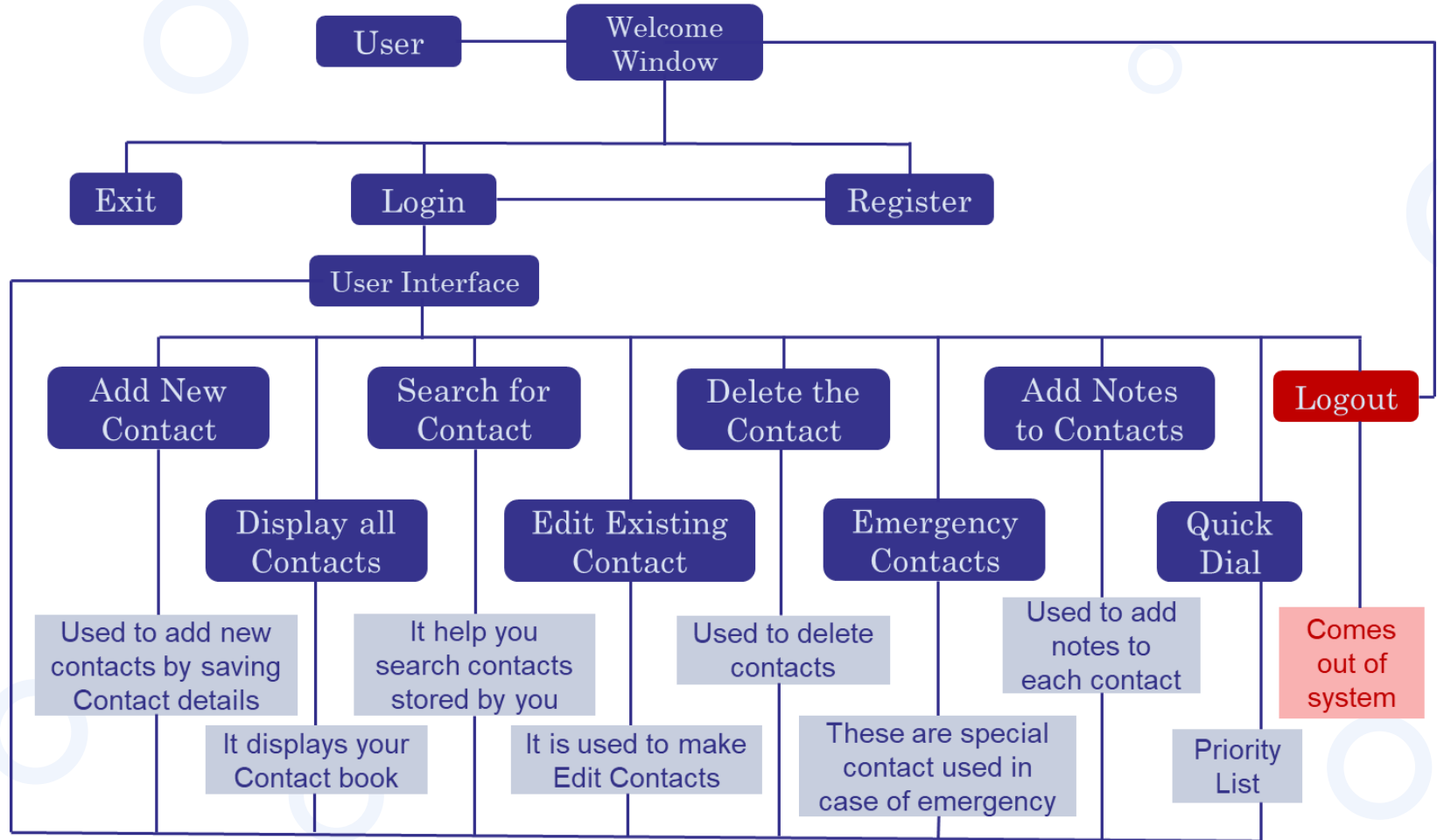
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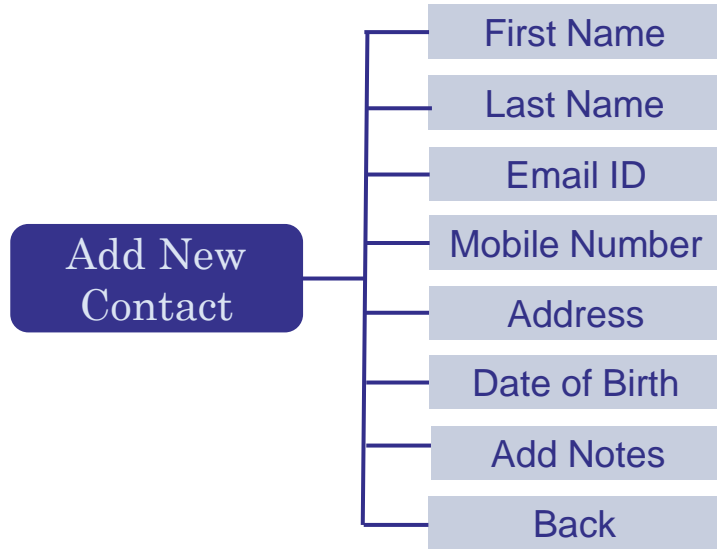
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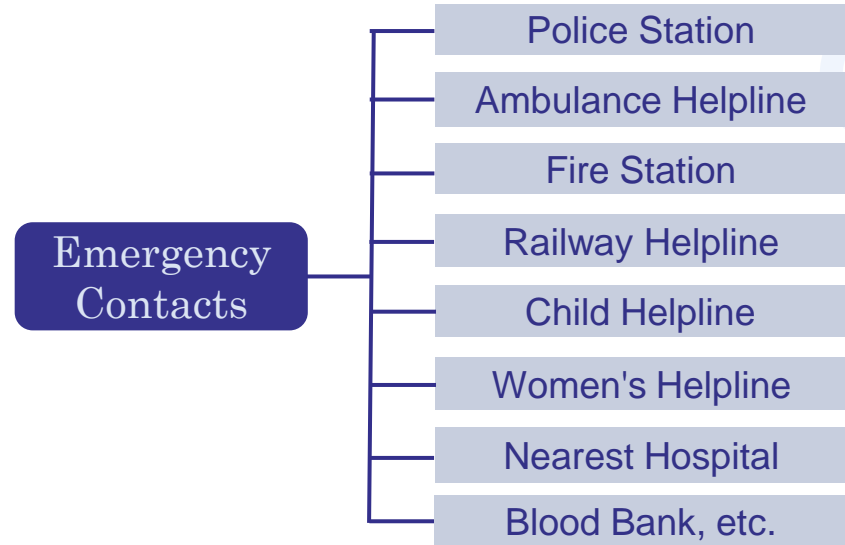




PBL-Project | System Features

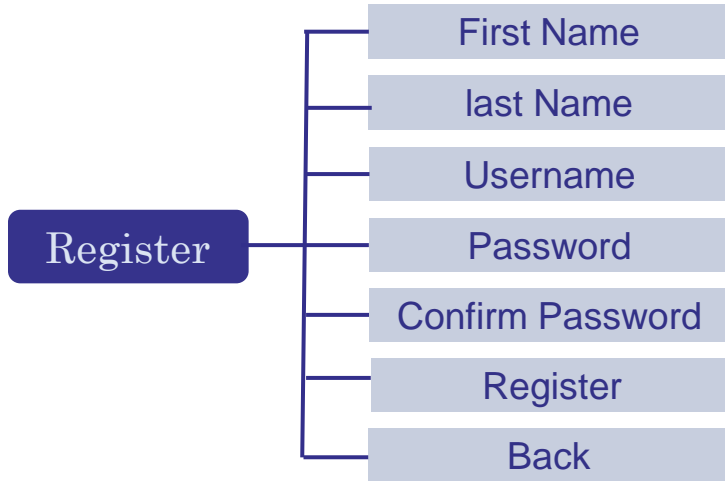


- Details need to be fill to add a new contact when we create new contact in Contact Book. It includes all needed info.

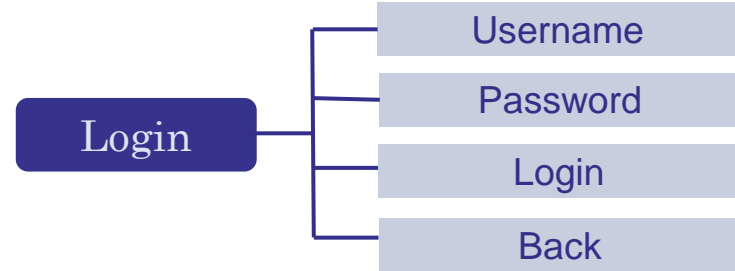


- Emergency Contacts section after Login shows in system are Shown above, Important Contacts need at time of Emergency.

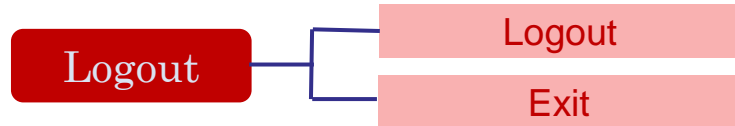
PBL-Project | System Features



- Registration Page of system used to make a account of user in management system



- Login Page of System which includes feeding info. From user to login

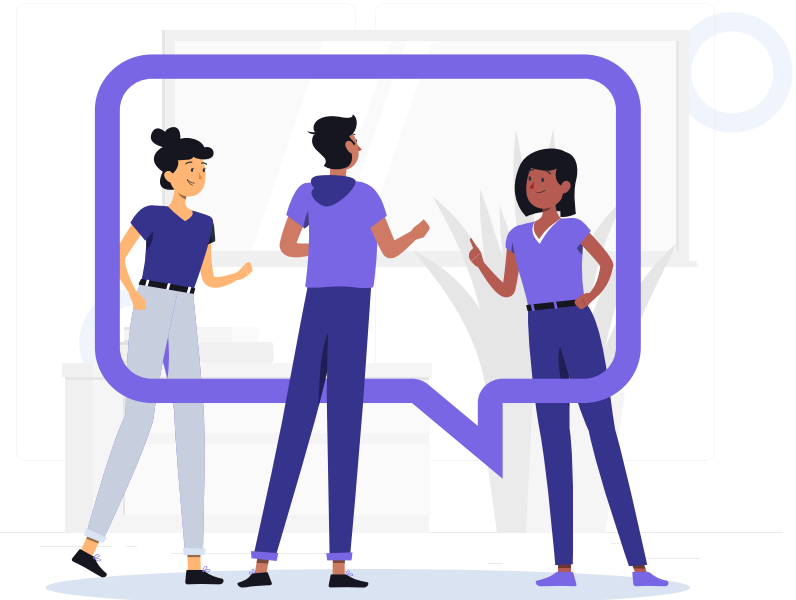


- Logout Section is the section which throws user out of the system software



04 | USER CASE DIAGRAM, ALGORITHM & FLOW CHART

- User Case Diagram
- Algorithm
- Flow Chart



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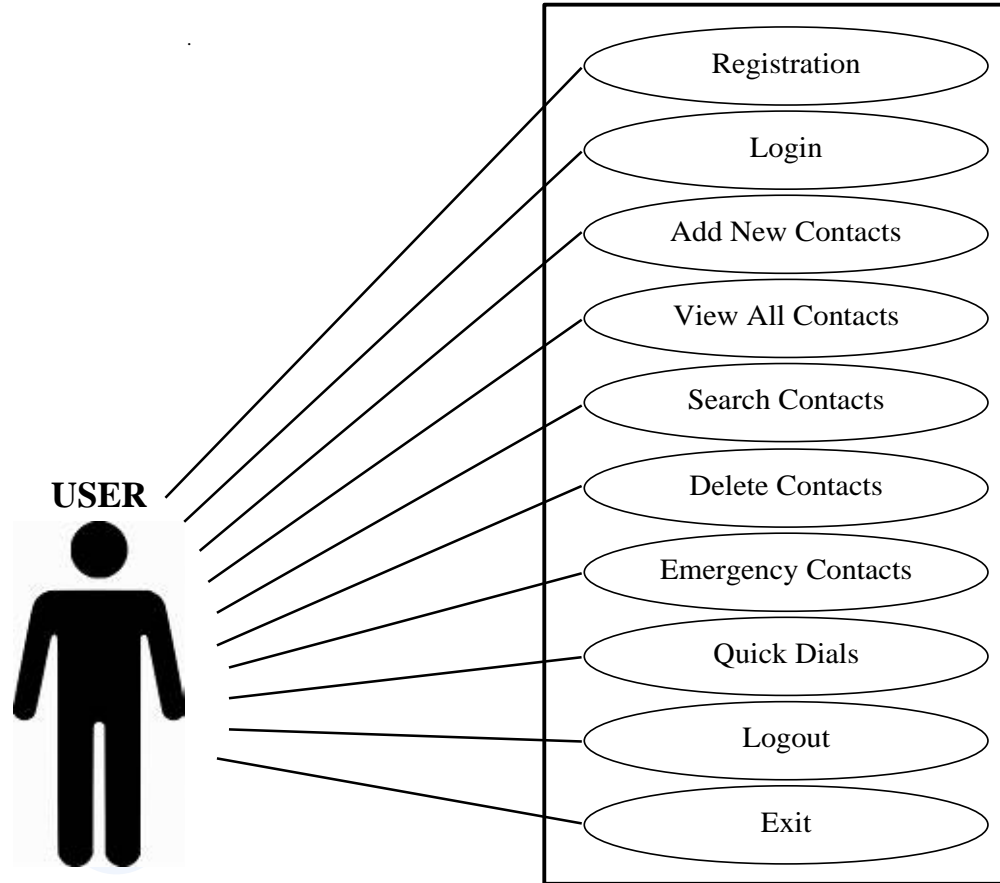
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PBL-Project | User Case Diagram



PBL-Project | Algorithm

- Step-1 **STARTING** with **WELCOME** window
- Step-2 after **WELCOME** Window Ask **USER** to Choose between **LOGIN & REGISTER**
If **REGISTER** is selected create new Account (**for New USER**)
- Step-3 If **LOGIN** is selected ask for login credentials (**for Existing USER**)

Adding NEW CONTACT will stored the details of Contact person through **FILE HANDLING**

Displaying **ALL CONTACT** which are stored through **FILE HANDLING** from **ADD NEW CONTACT**

Searching for **Individual CONTACT** which are stored from **ADD NEW CONTACT**

DELETE CONTACT will delete the contact chosen from Contacts saved by **ADD NEW CONTACT**

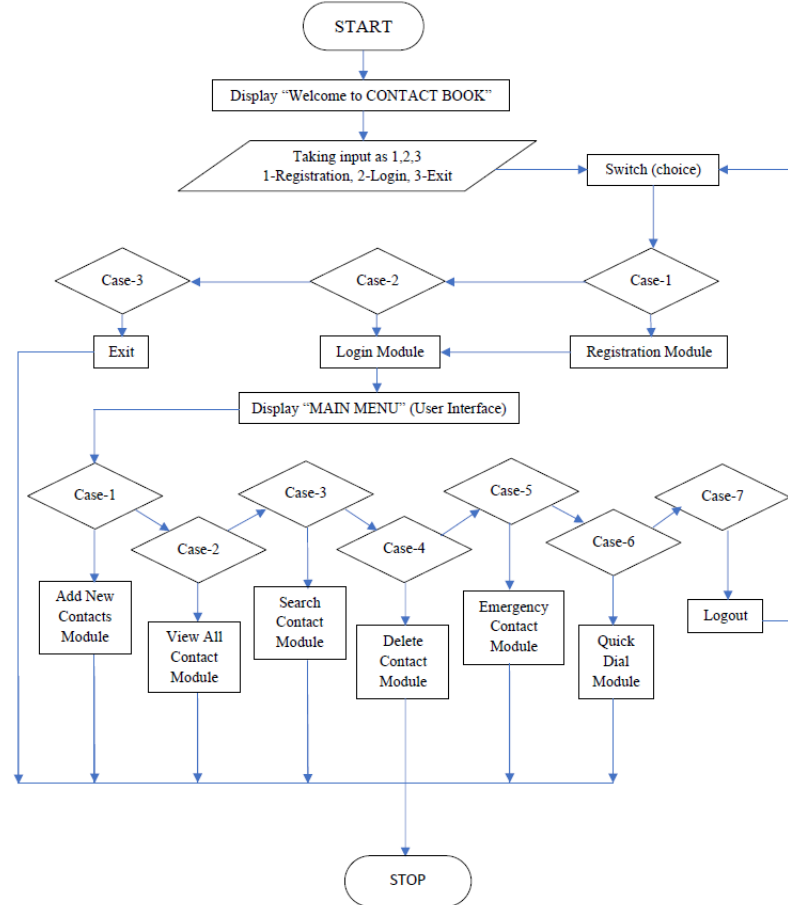
EMERGENCY CONTACT will display all the **Special imp. CONTACTS** (Police, Ambulance, etc.)

QUICK DIAL will add **Important or Closed** Contacts to Separate Contact List

EDIT EXISTING CONTACT will help **USER** to Edit the Saved Contacts

LOGOUT will take **USER** out to the **WELCOME Window** (again for **LOGIN & REGISTER** choice)
- Step-5 Stop

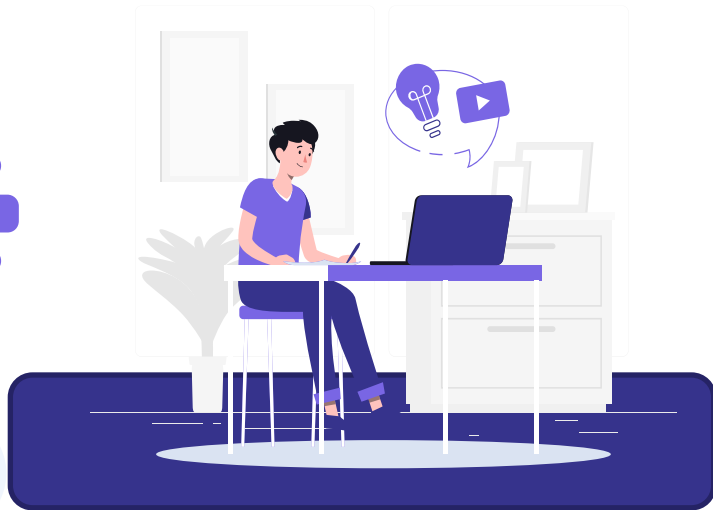
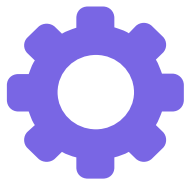
PBL-Project | Flow Chart



- Step-1 **STARTING with WELCOME window**
- Step-2 after WELCOME Window Ask **USER** to Choose between **LOGIN & REGISTER**
If **REGISTER** is selected create new Account (**for New USER**)
If **LOGIN** is selected ask for login credentials (**for Existing USER**)
Adding NEW CONTACT will store the details of Contact person through **FILE HANDLING**
Displaying ALL CONTACT which are stored through **FILE HANDLING** from ADD NEW CONTACT
Searching for **Individual CONTACT** which are stored from ADD NEW CONTACT
DELETE CONTACT will delete the contact chosen from Contacts saved by ADD NEW CONTACT
- Step-4 **EMERGENCY CONTACT** will display all the **Special imp. CONTACTS** (Police, Ambulance, etc.)
QUICK DIAL will add **Important or Closed** Contacts to Separate Contact List
EDIT EXISTING CONTACT will help **USER** to Edit the Saved Contacts
LOGOUT will take **USER** out to the **WELCOME Window** (again for **LOGIN & REGISTER** choice)



THANKS!



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