

Mini Project Report

Contact Management
System



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Introduction

The Contact Management System is a project that can manage the contact details of a person you know. The system can help you organize a person details by entering their information such as Phone no, Name, Address, etc. The purpose of the system is to help and maintain the managing of a person contact info.

Research

The Contact Management System was created in a simple console application, the system can be access without providing any login information. The user can do a lot of task in the system in the system, he/she can add new contact, list all contact, search person detail, and delete person record. The system contains function that can manage the contact information being stored in the system. The user can update the current contact information. The entered data are stored as a text extension file in the system folder. The Contact Management System was developed in as a basic coding structure of C that can teach even without programming experience.

Cost And Features

costs

The Cost for the Contact Management System application is the intialization of software and system requirements . The running cost needs an working system with an the battery backups.

Features

- Add new contact
- List all contact
- Search for contact
- Edit a contact
- Delete a contact

Defining our System

The main objective of the project to store contact details of name ,phone no,email & address by using file handling, data structure, functions, and pointers are the main things which make up this simple C mini project .Be easy to understand by the user & operator and You can learn effective use of file handling, data structure and pointers from this project, especially how to record, modify, search, view and remove data in a file. Submitting this mini project on Contact

Management System in C with little or no modification at all is completely discouraged. The key features of contact management system are listed below:

- Add new contacts with information such as name, phone number, address, and email.
- List all contacts stored in file with their respective contact details.
- Search contacts based on name and phone number.
- Edit contacts edit information given while adding the contacts – name, phone number, address, and email.
- Delete contacts deletes contacts from file.

SWOT Analysis

- This project will be very useful for finding & storing the contacts.
- Easy to know where the contact store.
- Work becomes very easily & speedily & easy to edit the information.
- The biggest disadvantage of online accounting is that you can no longer do without the internet.

4W's and 1'H

What : Contact Management is essential for keeping digital records of customer data.

Where : To overall maintenance becomes a easily.

when : All added and edited records are saved in a file.

Why : The tools organise this information in a way that makes it easy for you to find the entire again the data may also be searchable.

How: It works in a simple logic what are we used for contact management system we have to use this using an System applications.

Detail Requirements

High Level Requirements :

ID	Description	Status
HLR1	Login & Sign up	Users need to access
HLR2	Store contacts	To all Add contacts and edit contacts

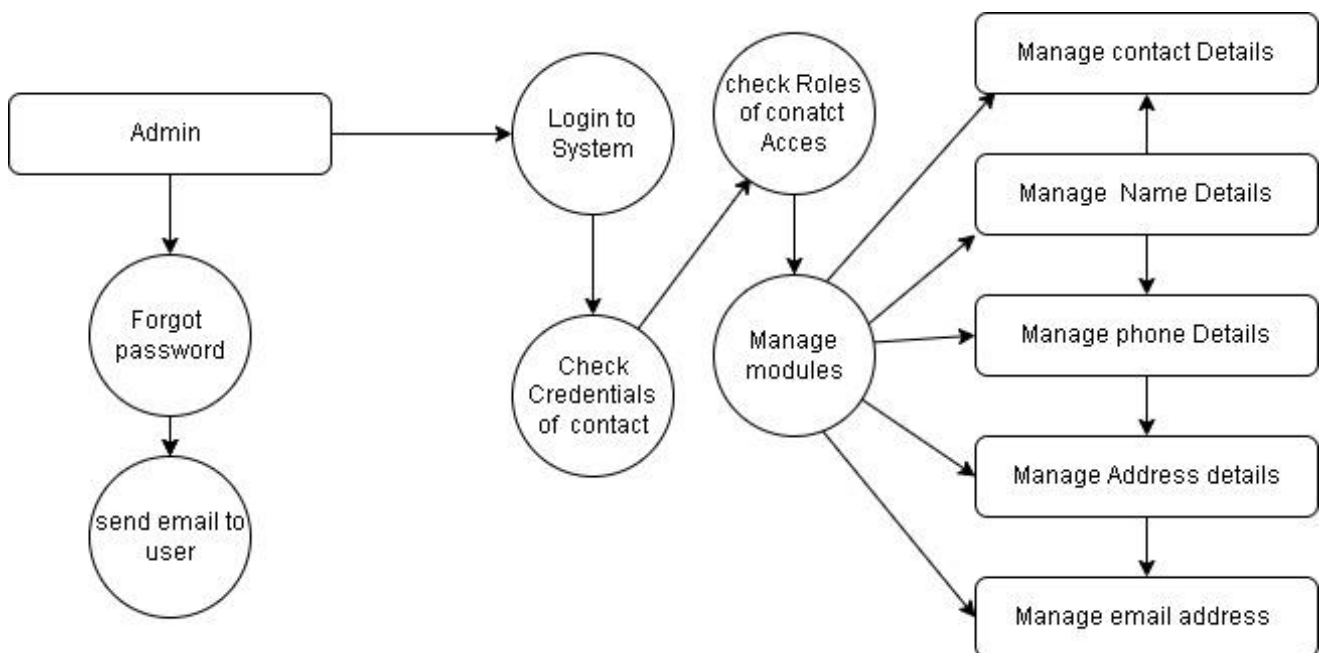
Lower Level Requirements

ID	Description	Status
LLR1	User Inputs	To check the options they choose
LLR2	Operations	To Create,Search,edit & delete contacts
LLR3	Multifile Approach	To reduce the code structure

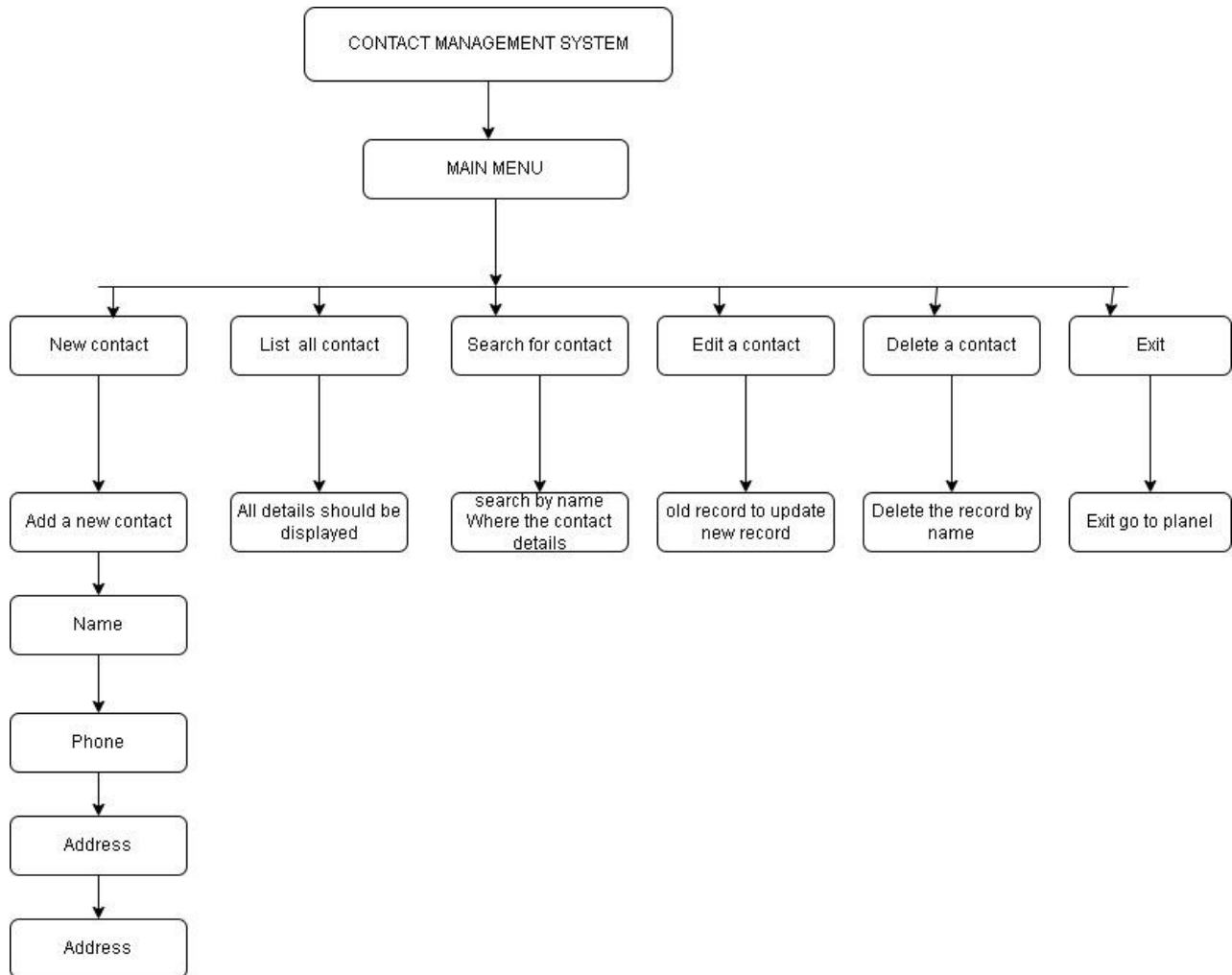
DESIGN :

Flow diagrams :

Contact management behavioral system :



Contact structural diagram :



TESTPLAN

Table no High level test plan :

ID	Test Scenario	Test Data
1	Main men	[1] Add a new conatct,[2] list all conatct,[3] search for contact ,[4]edit a conatct, [5]delete a conatct,[0] exit
2	Add the contact	Enter a choice 1 ,[1] Name vikas, phone 9700528456 , Address Ndr layout, email vikyvikas@gmail.com ,[2] Name vijay, phone 9799528456 , Address raj layout, email vijayaji@gmail.com
3	List all contact	Enter a choice 2 ,(it shows all contacts)
4	Search for conatct	Enter a choice 3 ,(Enter a your name:vikas)
5	Edit a contact	Enter a choice 4 ,edit your contact details by name and update your new contact details and (enter a name: vijay) and edit details of name Mahendra ,phone 9856327458 ,address bgm nagar, email mahendra@gmail.com . And enter [1] main menu [0] exit
6	Delete a contact	Enter a choice 5 Enter a name for deleting the record of Mahendra
7	Exit	Enter a choice 0 (For exit the panel)

Expected Output

ID	Expected Output
1	Enter a choice 1
2	[1] Name vikas, phone 9700528456 , Address Ndr layout, email vikyvikas@gmail.com ,[2] Name vijay, phone 9799528456 , Address raj layout, email vijayaji@gmail.com
3	Enter a choice 2,[1] Name vikas, phone 9700528456 , Address Ndr layout, email vikyvikas@gmail.com ,[2] Name vijay, phone 9799528456 , Address raj layout, email vijayaji@gmail.com
4	Enter a choice 3 (Enter a name vikas) Name vikas, phone 9700528456 , Address Ndr layout, email vikyvikas@gmail.com
5	Name Mahendra ,phone 9856327458 ,address bgm nagar, email mahendra@gmail.com .
6	Deleted the contact of mahendra
7	Exit to the panel

Output Images :

Output image-1:

```
**** Welcome to Contact Management System ****

      MAIN MENU
=====
[1] Add a new Contact
[2] List all Contacts
[3] Search for contact
[4] Edit a Contact
[5] Delete a Contact
[0] Exit
=====
Enter the choice:
```


Output image-2 :

```
**** Welcome to Contact Management System ****

      MAIN MENU
=====
[1] Add a new Contact
[2] List all Contacts
[3] Search for contact
[4] Edit a Contact
[5] Delete a Contact
[0] Exit
=====
Enter the choice:
```

