

Contact Management System

Project:- Contact Management System

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The Contact Management System (CMS) is a software application designed to efficiently organise, store, and manipulate contact information. It serves as a centralised repository for managing various contacts such as names, phone numbers, email addresses, and other relevant details. The primary purpose of CMS is to streamline the process of storing, accessing, and updating contact information, thereby enhancing communication and productivity.

Key Features:

1. **Contact Organization:** CMS allows users to categorise contacts based on different criteria such as personal, professional, or by groups. This enables users to quickly locate specific contacts when needed.
2. **Contact Entry and Modification:** Users can easily add new contacts to the system by providing necessary details such as name, phone number, email address, etc. Additionally, CMS provides functionality to edit or update existing contact information as required.
3. **Search and Retrieval:** CMS offers robust search capabilities, allowing users to quickly search for contacts using various parameters such as name, phone number, or email address. This ensures rapid retrieval of contact information, saving time and effort.
4. **Sorting and Filtering:** Contacts within CMS can be sorted alphabetically or based on specific criteria, making it easier to navigate through large contact lists. Furthermore, users can apply filters to narrow down search results based on specific attributes.
5. **Delete and Backup:** CMS provides the ability to delete unwanted contacts, ensuring data cleanliness and organisation. Additionally, it offers options for data backup and recovery to prevent loss of valuable contact information.
6. **User-Friendly Interface:** The system features an intuitive and user-friendly interface, making it accessible to users of all levels of technical expertise. Clear

navigation and well-defined functionalities contribute to an enhanced user experience.

7. Security and Data Privacy: CMS prioritises data security and privacy, implementing robust authentication mechanisms and access controls to safeguard sensitive contact information. Encryption techniques are employed to protect data integrity and confidentiality.

8. Customization and Integration: CMS offers customization options to tailor the system according to specific user requirements. Furthermore, it supports integration with other applications and platforms, enabling seamless data exchange and interoperability.

Overall, the Contact Management System serves as a valuable tool for individuals, businesses, and organisations to effectively manage their contacts, foster better communication, and streamline workflow processes. Whether for personal use or professional purposes, CMS provides a reliable solution for organising and maintaining contact information efficiently.

Bug

I apologise for any inconvenience caused by the presence of a bug in the program. Despite my sincere efforts, I have been unable to identify and resolve the issue. The bug occurs when adding a contact; after deleting a contact, the program returns to the main menu instead of displaying the expected options. I have put in considerable effort to debug the program, but unfortunately, I have not been successful in finding the root cause of this particular issue.

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Welcome To The Contact Management System

1. Show Contacts
2. Add A Contact
3. Delete A Contact
4. Search A Contact
5. Exit

Enter Your Choice (1-5):
3
Enter the name of the contact you want to delete:
anil
Contact removed successfully!

Exiting the program...
1. Show Contacts
2. Add A Contact
3. Delete A Contact
4. Search A Contact
5. Exit

Enter Your Choice (1-5):
PS E:\study\Java\Contact Management System>
```

If anyone among you has insight into a solution to this problem, I would greatly appreciate your assistance. Please feel free to contact me via email at vkartik044@gmail.com.

Thank you for your understanding and cooperation.