Address Book Design Document

Table of Contents

1. Introduction

Address book is an application to store and query contacts.

Basic Features are highlighted below:

- Add/Delete contacts to address book.

- Search for contacts (Based on various search option like name, phone no, email etc)
- Update existing contacts.

2. Basic Features

2.1 Add contacts to address book

User should be able to add contacts to the address book.

- Fields/Information for "Contact" has to be identified.
- When "Add contacts" is selected from the application menu, prompt for contact details
- In the display, mark mandatory information with star (*)
- If mandatory information (say Name) is not entered, display info message and re-prompt
- After entering the details, display an option to save or cancel saving the contact

2.2 Delete contacts from address book

User should be able to delete contacts from the address book.

- Application ask for the Contact name
- Display the appropriate Message
- After selecting the contact, display an option to delete or cancel deleting the contact.

2.3 Edit contacts from address book

User should be able to edit contacts to the address book.

- Application should ask contact name/number to edit
- Display the appropriate message
- After entering the details, display an option to update or cancel updating the contact.

2.4 Query contacts

Using this feature the address book will be searched. If search is successful, the details can be viewed.

2.5 Error Handling

Add contacts to address book

- If contact is already present, ask to the user for overwrite or not.
- If contact number and email are not in valid format, it should show the error.
- Application should not allow the user to enter the name, number, and email, beyond the permitted size.

Delete contacts from address book

- If contact is not present, error message should be displayed.
- If file is having multiple contacts with same name/surname, application should ask for a particular name.

Edit contacts from address book

- If contact is already present, ask to the user for overwrite or not.

3. Additional (Extra) Features

Additional features should be implemented after building and testing a successful address book product.

3.1 Export / Import Contacts

- It should be possible to export the data into a new file.
- It can import data from an existing file.

3.2 Create group

User should be able to edit contacts to the address book.

- Application should ask contact name/number to edit
- Display the appropriate message

After entering the details, display an option to update or cancel updating the contact