Software Requirements Specifications (SRS)

for Contact Manager

Definitions, Abbreviations, and Acronyms

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| SMS | Short Message Service (Text message) |
| Contact Manager / Contact Management System | The name of the app |

Functional Requirements

1. Users should be allowed to view contacts

1.1 The system's default page should be a view of all contacts vertically, starting in alphabetical order.

1.2 Users can scroll down to see more contacts.

1.3 Users should no longer be able to scroll down at the end of the list.

1.4 Users should no longer be able to scroll up at the top of the list.

1. Users should be able to click on a contact to open a prompt with options

2.1 Users should be prompted to call, send SMS, edit, or delete contact that was clicked on.

2.2 Users should be able to cancel from the prompt and return by clicking a "Cancel" button

1. Default phone calling application should launch and call phone selected number if user chooses to call from prompt.

3.1 Phone call is placed only once when the user clicks "Call"

3.2 Contact Management App is minimized while the user's default phone calling app runs over it.

1. Default SMS app should be launched with the selected phone number as the recipient.

4.1 Contact Management App is minimized while the user's

default texting app runs over it.

1. Users should be able to edit a contact's phone number, name, or picture when "Edit" is clicked.

5.1 Two textboxes should be displayed with an editable string,

the first being name and the second being phone number.

5.2 Users should be able to click on any of these strings and edit.

5.3 An image view should be displayed of the contact's image and the user should be able to click on a "Change Picture" button.

5.4 If user clicks on "Change Picture", a gallery of their images should be opened and they should be able to select the new photo.

5.5 When user selects a new photo after they choose to edit, it should return to the "Edit" page with the new photo as the contact image.

5.6 Users should be able to save their work by clicking a "Save" button which saves the changes and returns to the contact viewer.

5.7 The system should not allow users to enter letters in the phone number textbox and should prompt the user to enter a proper phone number before taking them back to the "Edit" page.

1. Users should be able to delete a contact by clicking the "Delete" button after clicking on a name.

6.1 User should be prompted if they are sure they would like to delete the contact with "Yes" and "No" button.

6.2 If user clicks "Yes", delete the contact from the database and return to contact viewer.

6.3 If user clicks "No", return to the prompt that allows users

to call, text, edit, or delete.

1. Users should be able to add other contacts to their list

7.1 Users can add contacts by clicking an "Add Contact" button.

7.2 Users should be prompted for name & phone number of new contact.

7.3 The system should not allow the user to enter letters as a

phone number, informing the user before returning to the prompt for name and phone number.

7.4 Users should be able to cancel and return to original page by clicking "Cancel".

1. Users shall be allowed to filter through their contacts using the search function.

8.1 The system shall allow the user to input numbers, letters,

Or symbols into the search bar.

8.2 The system shall display the contacts whose name contain the Searched keyword while still being in alphabetical order.

8.3 The system shall display “no matches found” if no results were returned.

9. The “remove duplicates” function shall allow users to remove multiple contacts with the same information.

9.1 The system will search and remove all contacts with both similar contact name and number.

9.2 The system shall display located contacts and prompt user

For removal.

9.3 The system shall notify the user If no duplicates were found.

10. The Black List should allow the user to choose which contacts to not receive their calls or texts.

10.1 The Black List will function as a group within the contact list.

10.2 The system will allow the user to add and remove contacts.

10.3 Blacklist will communicate with the phone and SMS apps to ensure notifications are redirected.

11. The system will allow for exporting and importing of contact lists.

11.1 The importing option will sync first and last names with the provided phone numbers automatically creating contacts.

11.2 The exporting option will export the raw data ordered by first name, last name, and phone number.

11.3 Users will be provided with an export one contact option to easily share via email or sms.

Use Case Diagram:

