**System Description**

* Interface Design

+++Definition+++

Tap: touch once on part of screen

Press: long press on part of screen

Swipe: motion of moving the finger either to the left or right while in contact with the screen

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+++Components+++

\* Main Screen

‘+’ Button: Situated on top right of screen for adding new contact

List of Contacts: List of contacts with contact cells

Contact Cells: Displays a designated field(i.e. name/company) and a small indication at the right of each cell to indicate whether that contact is on reminder or not.

Search Filter: Let’s the user input words they wish to search. The word will parse all fields in all contacts and only list those that contain the relevant word.

\* Reminder Screen

‘+’ Button: Situated on top right of screen for adding new reminder

List of reminders: List of reminders with reminder cells

Reminder Cells: Displays Name, time of current reminders set by the user

\* SetReminder Popup

DatePicker: pick date and time for reminder(default to current date/time)

MessageBox: place to write custom notification message(default message)

ContactPicker: pick contact to set reminder(default to first name in contact)

\* ImageInput Screen

a choice popup: choices are i)take photo ii) choose from library iii) none(set to default)

The screen will change depending on the choice. i.e photo -> camera, choose -> library, none -> none

\* DataInput Screen

Image box: a box with image of contact

Field Names/Input Fields: Input fields will be enabled for edit in this mode(i.e. white background)

‘Done’ button: Situated on top right of screen

\* ContactDetail Screen

Image box: a box with image of contact

‘<’ button: to return to main screen

Field Names/Input Fields: Same as DataInput screen but will have background as light grey to indicate disabled. Field Names are Name, Title, Industry, Notes, Cell, Company, Email

\* Delete Screen

Same as MainScreen/ReminderScreen excluding ‘+’ button. The cells will be tailed with a circle with ‘x’ button.

\* Image View

Shows the expanded image for better view

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+++State Changes+++

\*Main Screen -> Reminder Screen

Action: swipe from left to right

Description: the user can interchange between Contacts, and list of reminders

\* Main Screen -> ImageInput

Action: tap on ‘+’ Button on top right

Description: leads to ImageInput Screen

\* Main Screen -> Delete

Action: press on List of Contacts

Description: pressing on any part of the list view will toggle to Delete mode.

\* Main Screen -> ContactDetail

Action: tap on Contact Cell

Description: shows information about specific contact.

\* Reminder Screen -> SetReminder

Action: tap on ‘+’ button on top right

Description: pops up setup screen for reminder

\* Reminder Screen -> Delete

Action: press on List of Reminders

Description: pressing on any part of the list view will toggle to Delete mode

\* Delete -> Main Screen/Reminder

Action: press on anywhere other than ‘x’ button to toggle back to original screen

\* ImageInput -> DataInput

Action: automatic

Description: after taking the photo/choosing image or default, the screen will automatically change to DataInput screen asking for the user to input additional data

\* DataInput -> ContactDetail

Action: Press ‘Done’ on top right

Description: changes the background of input fields from white -> grey to indicate disabled for edit

\* DataInput -> ImageInput

Action: tap on image box

Description: lets the user to change image

\* ContactDetail -> ImageInput

Action: press on image box

Description: lets the user to change image

\* ContactDetail -> ImageView

Action: tap on image box

Description: shows the image of contact in bigger screen for magnify/demagnify with pan/pinch gestures enabled

\* ContactDetail -> MainScreen

Action: tap ‘<’ button

Description: return to main screen

\* ContactDetail -> DataInput

Action: press on fields(NOT field titles)

Description: Change to DataInput screen(mode) with background of input fields changed from grey -> white. Let’s the user edit fields

\* ContactDetail -> Email

Action: tap on email address

Description: Open up email feature and return when done

\* ContactDetail -> Call/text

Action: tap on cell

Description: Show popup for the user to choose between call or text then leads to appropriate features depending on choice. Return when done.

\* ContactDetail -> Reminder Screen

Action: Swipe to right in contact Detail

Description: Just as regular reminder Screen shows ALL reminders. This reminder screen only shows reminders set for this specific contact.

\* ImageView -> ContactDetail

Action: tap on image

Description: returns to Contact Detail

* Important Requirements

1. Email Write Up feature, text message, call feature
2. Reminder feature
3. Photo feature

***#Important note: The image parser feature has been removed due to insufficient technology(API). Instead we focused more on i) the follow-up feature ii) convenience***

* Design Specifics(features to focus on)

1. Let the user see what reminders are set
2. Let the user do minimum action as possible for editing Contact(i.e press to toggle into delete mode)
3. Let the user be familiar to each screen(i.e use minimum screens. Instead cooperate different ‘modes’ for edit ex) change background from grey <-> white)