

Paper Prototype Brief

This system is a new email system that allows you to use voice commands. The system is already trained for your voice. In this email application you will record your voice instead of typing or dictating a message to someone else. The voice message that you record will be sent to the recipient for them to listen to. We have added some email addresses in your address book and you already have some emails in your inbox. This will allow you to test the email application and tell us if it is better than your current method of accessing email. We would like you to tell us about any problems that you faced with the system.

You will use the following voice commands to control the system:

Command	Function
Inbox	To view list of emails you got
New Email	To Compose New Email
Drafts	To view list of saved Drafts
Sent	To view list of messages Sent
1 2 3 4 5 6 7 8 9	To choose items in a list (address box, inbox, and so on) by selecting its number
Yes	To confirm Yes for a question
No	To confirm No for a question
Next	To go to the next page (address box, inbox, subject and so on)
Back	To go back to the last page (address box, inbox, subject and so on)
Home	To go back to the home page of the system
Add	To add a new address while composing a new email
Change	To select a subject line while composing a new email
Record	To record an outgoing message
Start	To start recording a 30 sec outgoing message
Type	To type in an outgoing message by using the keyboard
Save	To save a draft of an email
Done	To finish and confirm the recorded message
Redo	To re-record a message
Replay	To replay the last recorded message

Send	To send an email
Cancel	To cancel an option
Reply	To reply to an email
Forward	To forward an email
Open	To open an attachment to an email
Scroll up	To scroll up a page
Scroll down	To scroll down a page
Quit	To quit the system

Tasks

1. Send an email to James Cameron, (you will find his email address in your address book), ask him about the new movie he is producing.
2. Reply to an email that is in your inbox
3. Review the list of sent emails.

Questions

1. What are the problems the user faced with the system?
2. Did the user understand the options?
3. Was the user able to figure out the voice command by looking at the interface?
4. How long did it take the user to perform each task?
5. Did the user get confused while creating a new email?
6. Did the user understand how to select an option from a list (email list, address list, subject list)

Team Contribution

Planning of prototype flow and screen: Ganesh, Steve, Zhichun, Mansoor

Rough prototype on paper: Ganesh & Steve

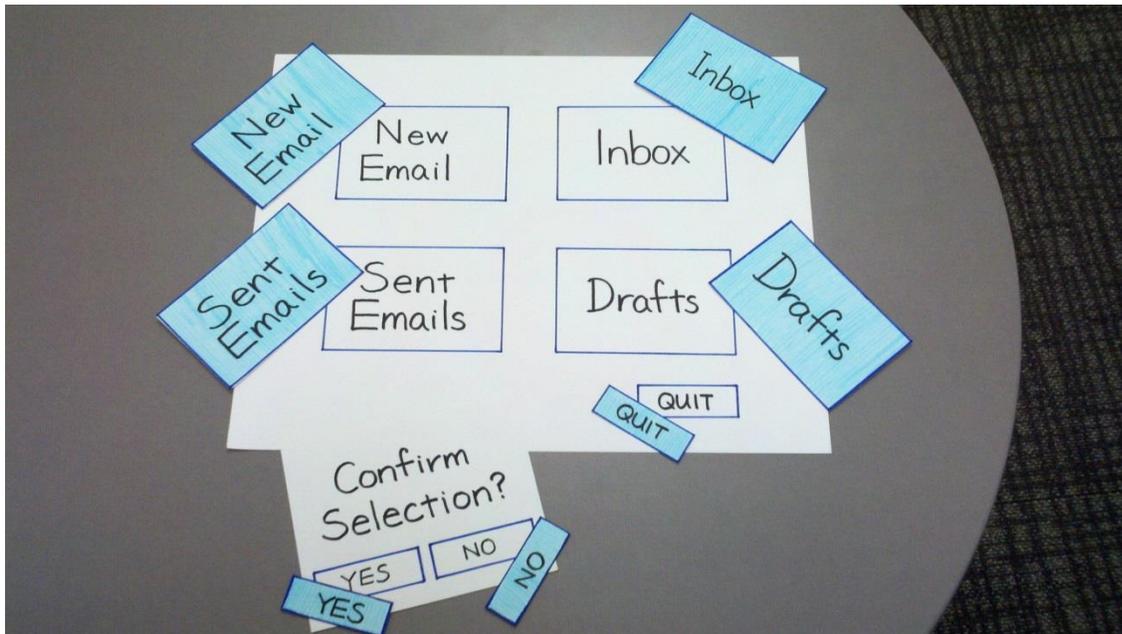
Final Prototype: Zhichun (90%), Ganesh and Mansoor (10%)

Scanning of Prototype: Mansoor

Write up (first version): Mansoor

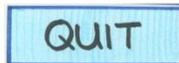
Edits: Steve

Main screen

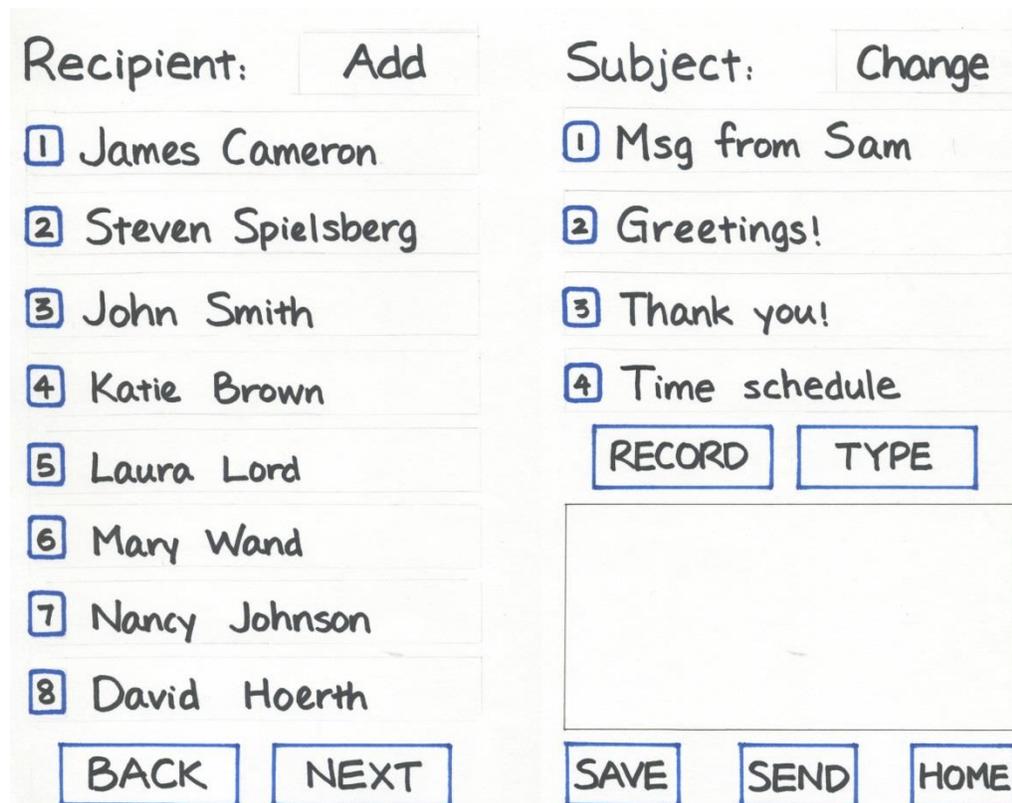




Overlay button highlights for main screen when user gives any of the commands on the screen

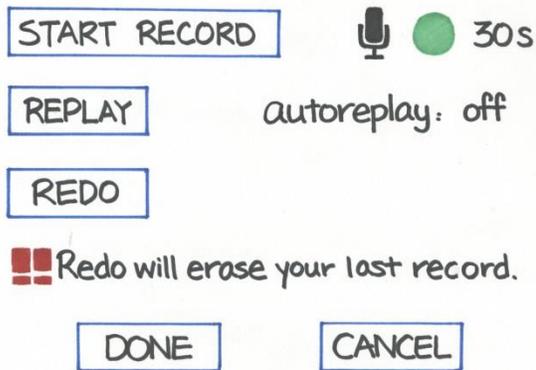


New message



Recording screen

Recording Dialogue



Confirmation dialogue when a user requests to re-record a voice message

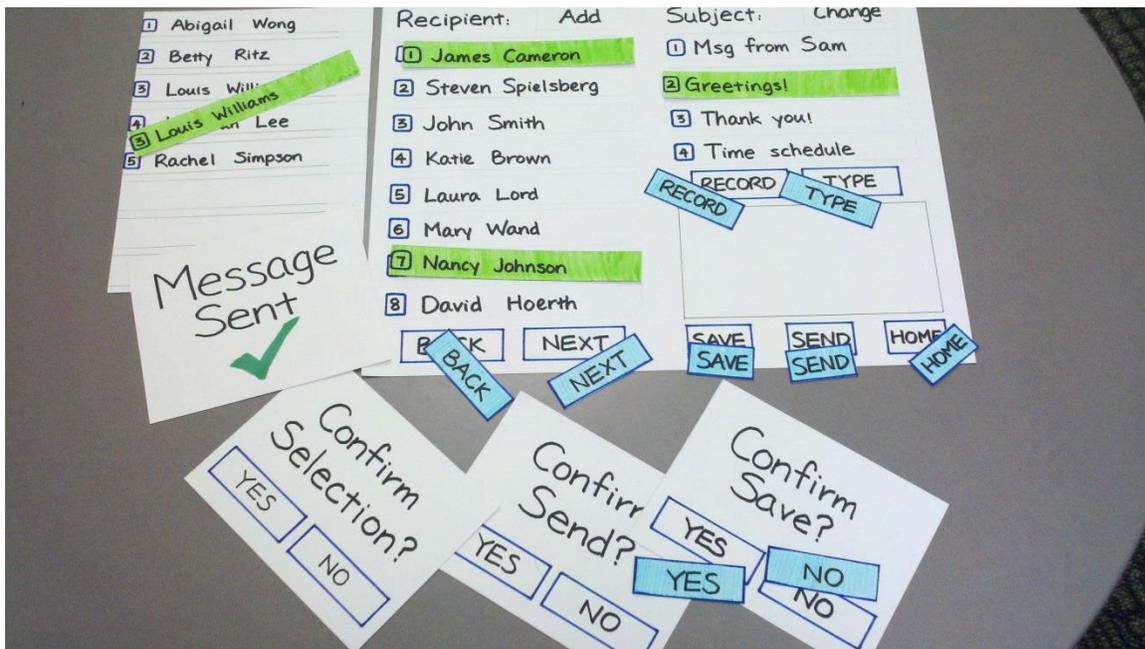
Replay dialogue when a user chooses to replay a recorder message



Overlays for when a user is recording a voice message, and ON is when auto-replay is enabled on the recording dialogue



Highlighted button overlays to give user feedback of successfully command



List of overlay names when user gives command NEXT
while choosing a name to send an email to

- 1 Abigail Wong
- 2 Betty Ritz
- 3 Louis Williams
- 4 Jonathan Lee
- 5 Rachel Simpson

Confirm Redo?	Confirm Send?
<input type="button" value="YES"/> <input type="button" value="NO"/>	<input type="button" value="YES"/> <input type="button" value="NO"/>
Confirm Save?	Confirm Selection?
<input type="button" value="YES"/> <input type="button" value="NO"/>	<input type="button" value="YES"/> <input type="button" value="NO"/>

Various confirmation dialogues from
compose a new email screen



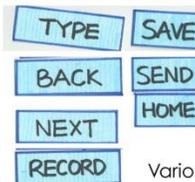
Name overlay highlights (in green) when a user
chooses a name (to give visual feedback to the user)

- 1 James Cameron
- 7 Nancy Johnson

2 Greetings!

Subject Selection Overlay (in green)

to give feedback to the user

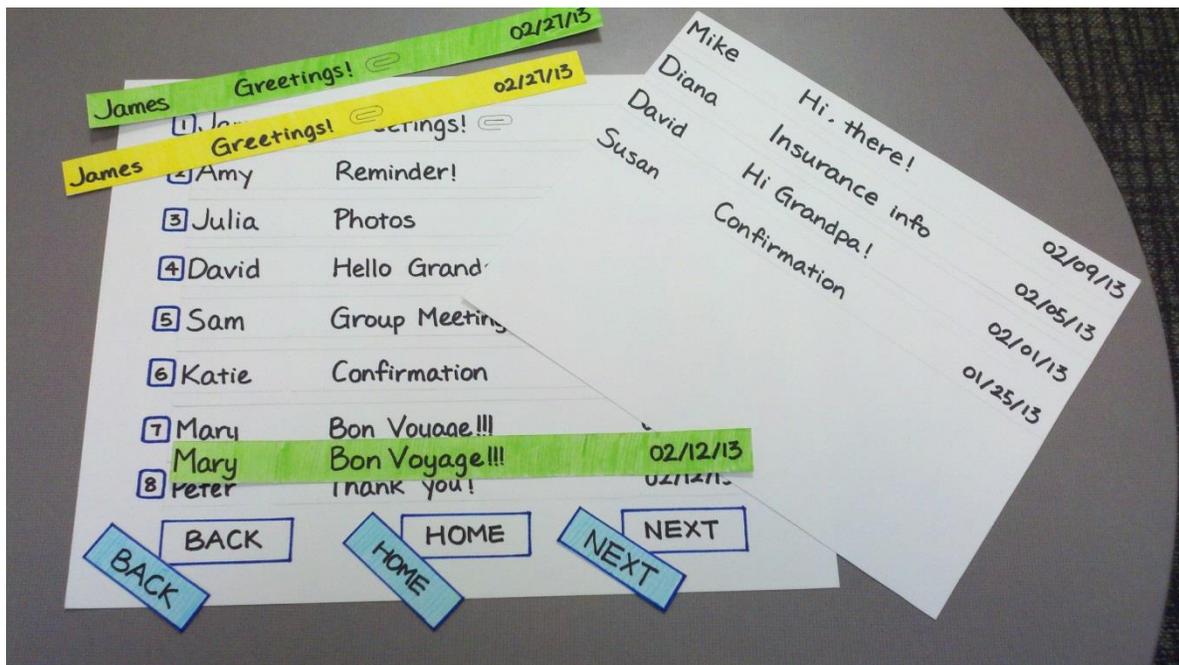


Various overlays (in blue) to give feedback
that a button is successfully selected

Inbox

1	James	Greetings! 	02/27/13
2	Amy	Reminder!	02/27/13
3	Julia	Photos	02/23/13
4	David	Hello Grandpa!	02/20/13
5	Sam	Group Meeting Time	02/17/13
6	Katie	Confirmation	02/15/13
7	Mary	Bon Voyage!!!	02/12/13
8	Peter	Thank you!	02/12/13

BACK HOME NEXT



Message screen

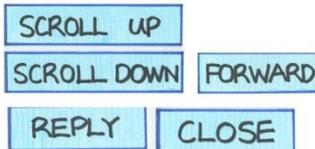


Reading a message screen

Attachment over lay

@ family_photo.IMG

Highlighted (blue) buttons for feedback to user for successful command



Overlays showing the text in the email

