



# blind.ly messenger

jesse chen • woosuk kim • edmond lo  
jonathan tien • mark wei



# spec + design

aka “the big idea” + and how to build it

--- --- .- . . . . - .- --- - . .

# morse code

yo dawg, i heard you like morse code, so i put  
a morse code in your morse code so you can  
morse code while you morse code.



# volume keys

we use them for everything



# vibrator output

silent and tactile feedback





9:08

Blind Messenger

Main



COMPOSE



READ



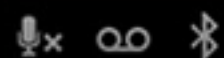
7:51



COMPOSE



READ



9:08

## Blind Messenger

Select Recipient

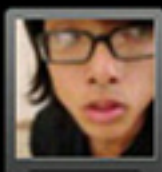


Ivan Cruz

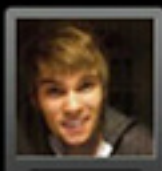


Lani Husson

Frequently called



Sau Hsu



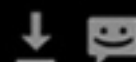
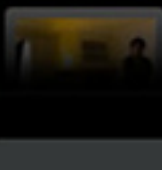
Levi McCallum



Ken Muse



Chyrle Whalen



7:53

## My Contacts

select recipient using morse code



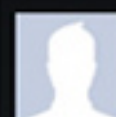
Aaaaa AAAA

714-408-4066



Abhishek Nath

+14124276668



Adam Bobrow

\*



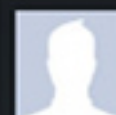
Adam Bobrow

8183120545



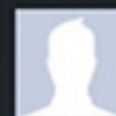
Adam Hugh

9736997699



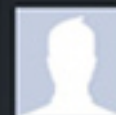
Adam La Fontaine

9255192743



Akasaka Restaurant

(626) 336-0871

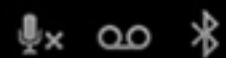


Alan Choi

+14083342445



Alan Williams



9:08

Blind Messenger

Message Body

Please don't forget to  
take out the trash when  
you get home ok? Tha

i get home ok? Tha

a

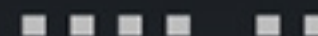
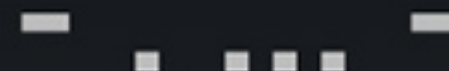


7:56

Aaaaa AAAA

714-408-4066

TEST HI

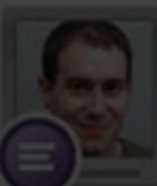



Send



## Blind Messenger

### Messages

 **David Singleton** 06/07/2009  
Trying to learn the guitar. F chord has my contorted hands aching. YouTube is a great resource for (rather

 **Jon Lately** 06/07/2009

Message from:  
Mark Wei

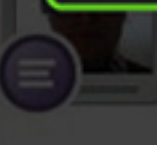
Hey, are you coming to ping pong today?




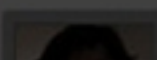
Listen



Reply

 hi it's me could you give me a call back tomorrow morning so we can arrange the weekends

 **Vincent Paquet** 06/11/2008  
hey marcus it's insurance i have about one on one schedule for the house so give me a call back (408) 889-9999

 **Marcus Foster** 10/21/08

## Settings

Require PIN entry before purchasing any application or other content. ☐

### Set or change PIN

Create a PIN to prevent changes to user

Message from  
Mark Wei

test message



Listen



Reply

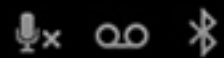
### ABOUT

#### Open source licenses

License details for open source software

#### Build version

Version: 3.3.11



9:08

## Blind Messenger

### Messages



**David Singleton** 06/07/2009

Trying to learn the guitar. F chord has my contorted hands aching. YouTube is a great resource for (rather



**Jon Lately** 06/07/2009

hi there i was wondering if you and marcy are free to join me for a weekend at my cabin in montana at



**Ben Davies** 14/06/2009

Charles here. We are at table M1 behind the production booth whith a seat for you.



**Marcus Foster** 13/05/2009

hi it's me could you give me a call back tomorrow morning so we can arrange the weekends



**Vincent Paquet** 06/11/2008

hey marcus it's insurance i have about one on one schedule for the house so give me a call back (408) 889-9999



**Marcus Foster** 10/21/08



8:23



**Jesse Chen - Berkeley**

Let me in



**Mark Wei**

Haha ya



**5043023563**

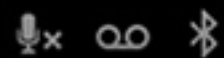
Woosuk Kim - Get rejected



**3137181449**

Edmond Lo - Test





## Blind Messenger

### Conversation



**David Singleton**

314-159-2653

**David:** So you want me to text you some random dummy text so you can use it in your presentation? Seriously, get someone else to do it...

**David:** What class is this for again?

**Me:** CS169. Keep going. you're doing great.

**David:** Argh. how much text do you need again? I have a midterm to study for.

**Me:** MOAR.

**David:** ୫\_୫

**David:** (ノ◕□◕)ノ 一——

**Me:** lol.

**Me:** wait, how did you do that from your phone???



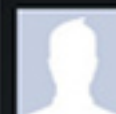
reply to David



+



to reply



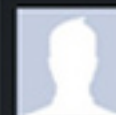
**Mark Wei**

test3



**Mark Wei**

ET

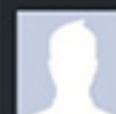


**Mark Wei**

test message

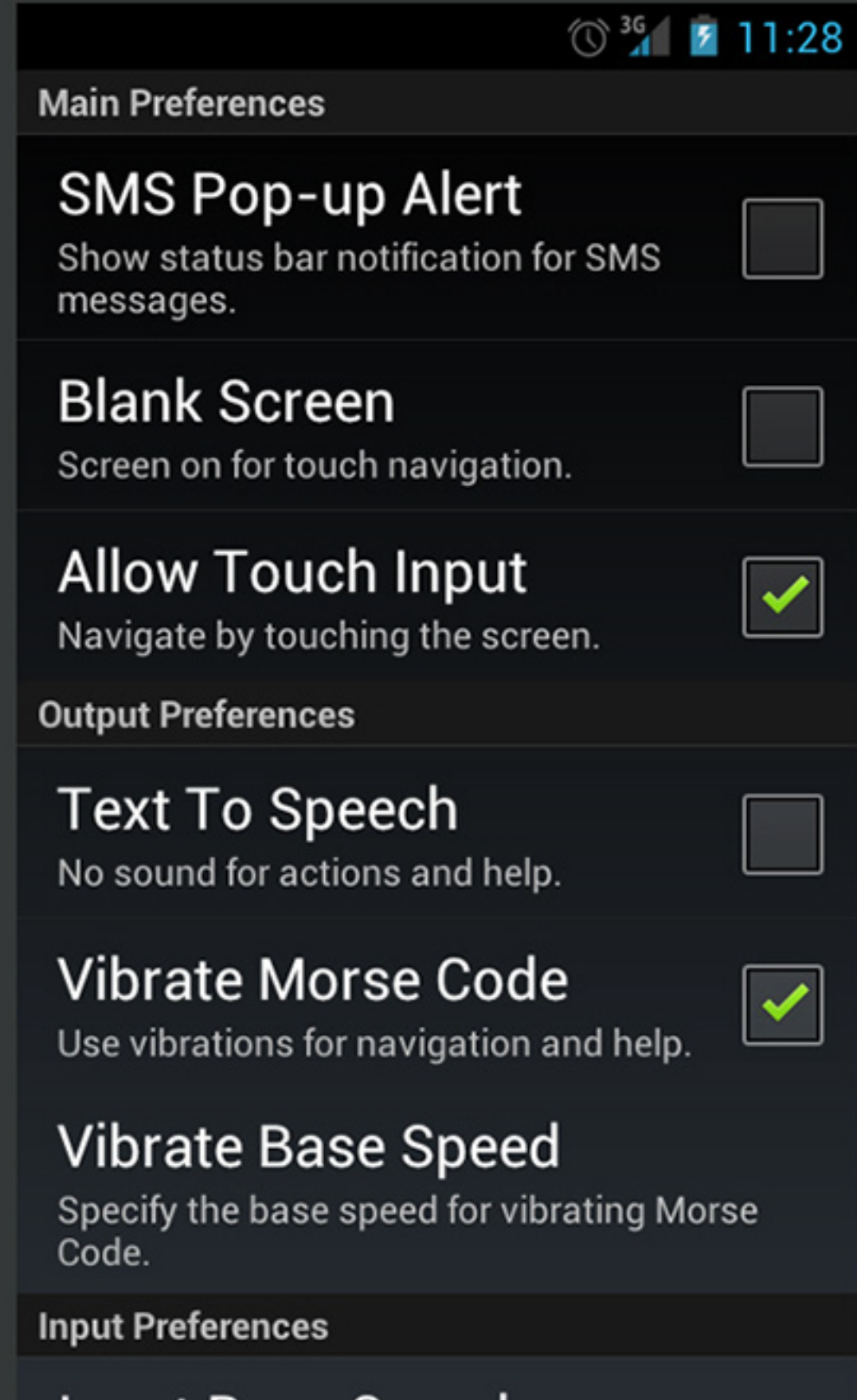
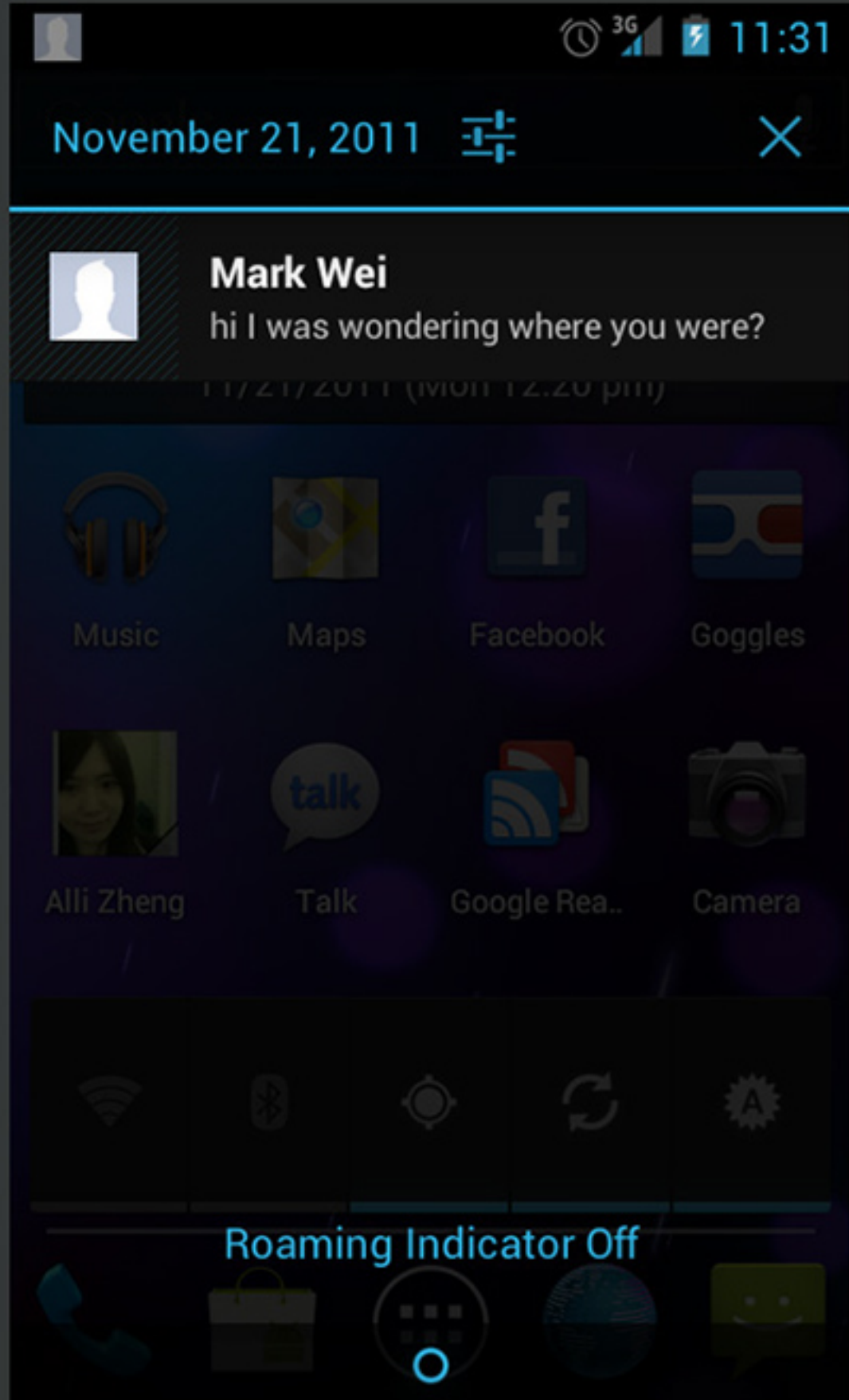
**Me**

Haha ya



**Mark Wei**

Haha ya





11:45

November 21, 2011



**Mark Wei**

hi I was wondering where you were?

Blank Screen ☐

Screen on for touch navigation.



**Allow Touch Input**

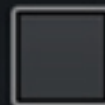
Navigate by touching the screen.



#### Output Preferences

**Text To Speech**

No sound for actions and help.



**Vibrate Morse Code**

Use vibrations for navigation and help.



**Vibrate Base Speed**

Specify the base speed for vibrating Morse Code.

#### Input Preferences

Input Base Speed

11:42





# what got done

we finished! a full-featured SMS app  
we're shipping! to the Android Market  
we learned a lot! and had a great time :)



# what didn't

nothing.



# mini-lecture

collaboration. shit's important.

# version control



git + github = <3

protip/ "git stash" + "git stash pop"

check out our repo! <http://git.io/ehejRA>

# working + talking

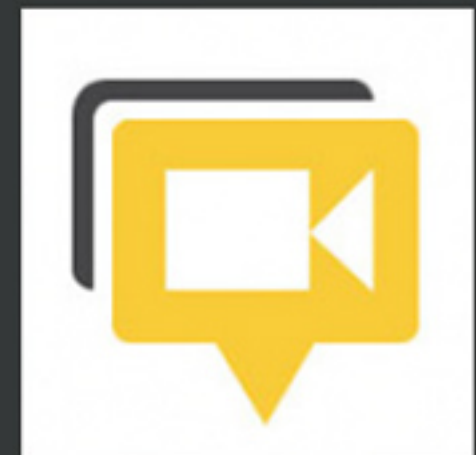
fb group + google docs + hangouts w/ extras



+



+





# working remote

chrome remote desktop

hangouts share screen



Share screen



# conclusion

software engineering is about the TEAM  
collaboration+cooperation are key  
utilize each team member's abilities  
work within your limits, reasonable scope



# thanks!

jesse chen  
woosuk kim  
edmond lo  
jonathan tien  
mark wei