

# Dialer and contacts specifications for sprint 1

## HTML 5 project

v4.0

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# Purpose of document

Document detailing UI specifications for the dialer and contacts sections of the HTML5 project sprint 1

## Version control

# Release note

Wireframe pack lives in:

TF Dropbox	: OWD_UX_Working/THE NEW WORLD/02_Sprints/3_Contacts_Messages/1_Interaction/wireframes/04 dialer and contacts
Mozilla Dropbox	: OWD_Moz_share/Mozilla/App Dialer
Jira	: Open Web Device / OWD-1380
Mozilla's wiki	: <a href="https://wiki.mozilla.org/Gaia/Contacts">https://wiki.mozilla.org/Gaia/Contacts</a> <a href="https://wiki.mozilla.org/Gaia/Dialer">https://wiki.mozilla.org/Gaia/Dialer</a>

## new wireframes

- Call waiting: notification of second incomming call
- Call waiting: second call active
- Call waiting: first call active
- Call waiting: call ended by contact
- Call waiting: notification of third incomming call

## updated wireframes

### contact detail

- instance of default phone number removed from wireframe. reference jira OWD-2377
- favorites button aligned to visual design

### phone number field tag

- instance of default phone number removed from wireframe. reference jira OWD-2377
- annotation updated

### add contact

- annotation updated to indicate that assign ringtone is V2 functionality

### contact detail edit mode

- instance of default phone number removed from wireframe. reference jira OWD-2377

### call log

- annotation 04 updated to include diection about handling carrier when a contact has more than one phone number with the same carrier.
- annotation 07 updated to reaffirm scrolling behaviours

### call log edit mode

- annotation about scrolling behaviours included

### contact list

- annotation about scrolling behaviours included
- annotation 03 updated to clarify origins of business field

### contact list searching

- annotation about scrolling behaviours included

### contact list search results

- annotation about scrolling behaviours included

## deleted wireframes

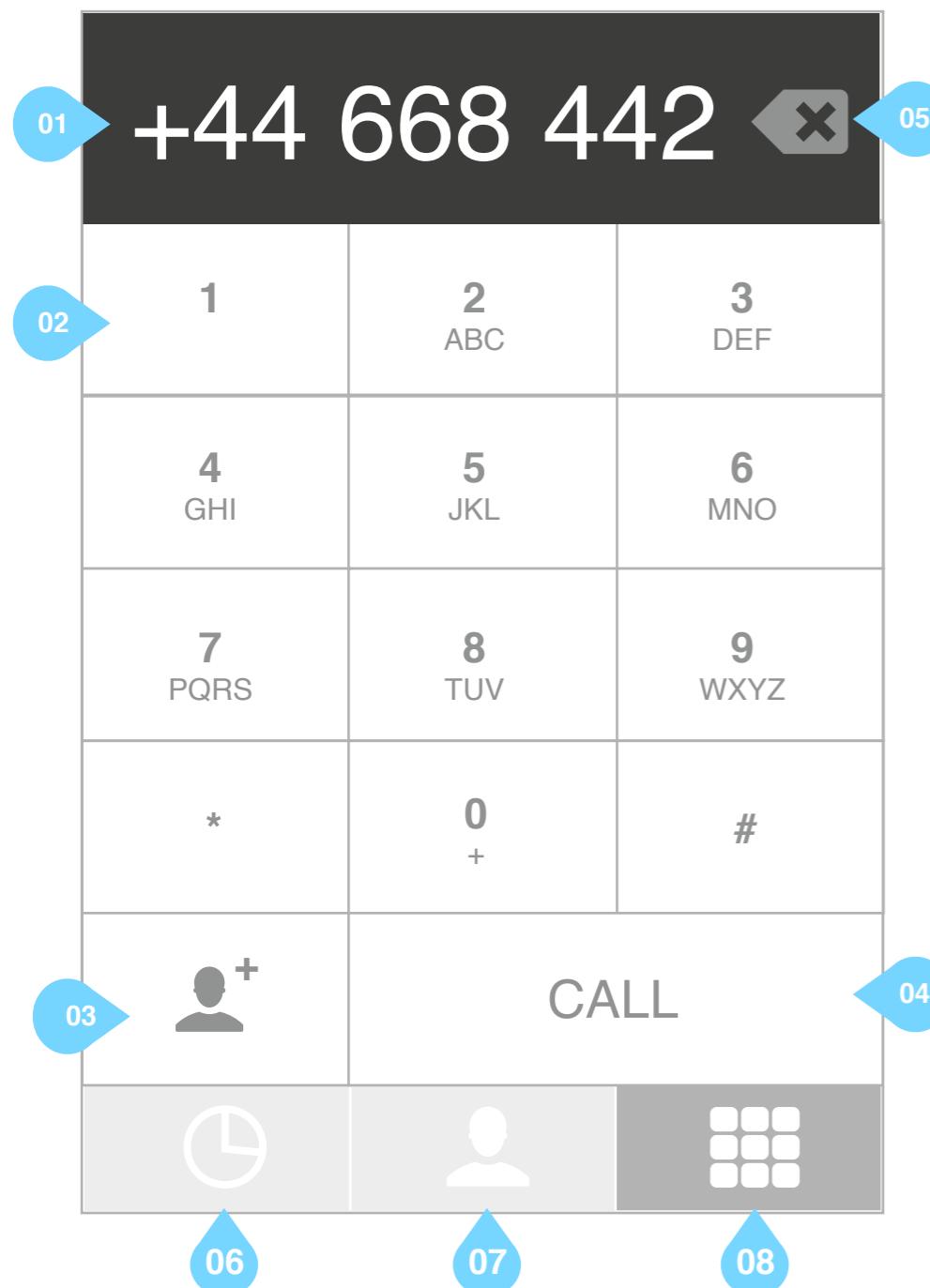
- none

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# HTML 5 Project : Dialer and Contacts

## keypad



Wireframe illustrating content that is contained under the dialer tab

### annotation

01 Input phone number

02 number one button

upon press and hold  
calls voicemail

03 Add contact button

upon tap

Opens up functionality to save the current number on display as a new contact. Refer to wireframe 'add contact' with the number prepopulated in the phone number field.

04 Call button

upon tap

Place a call. Takes user to the in call screen.

05 Delete input button

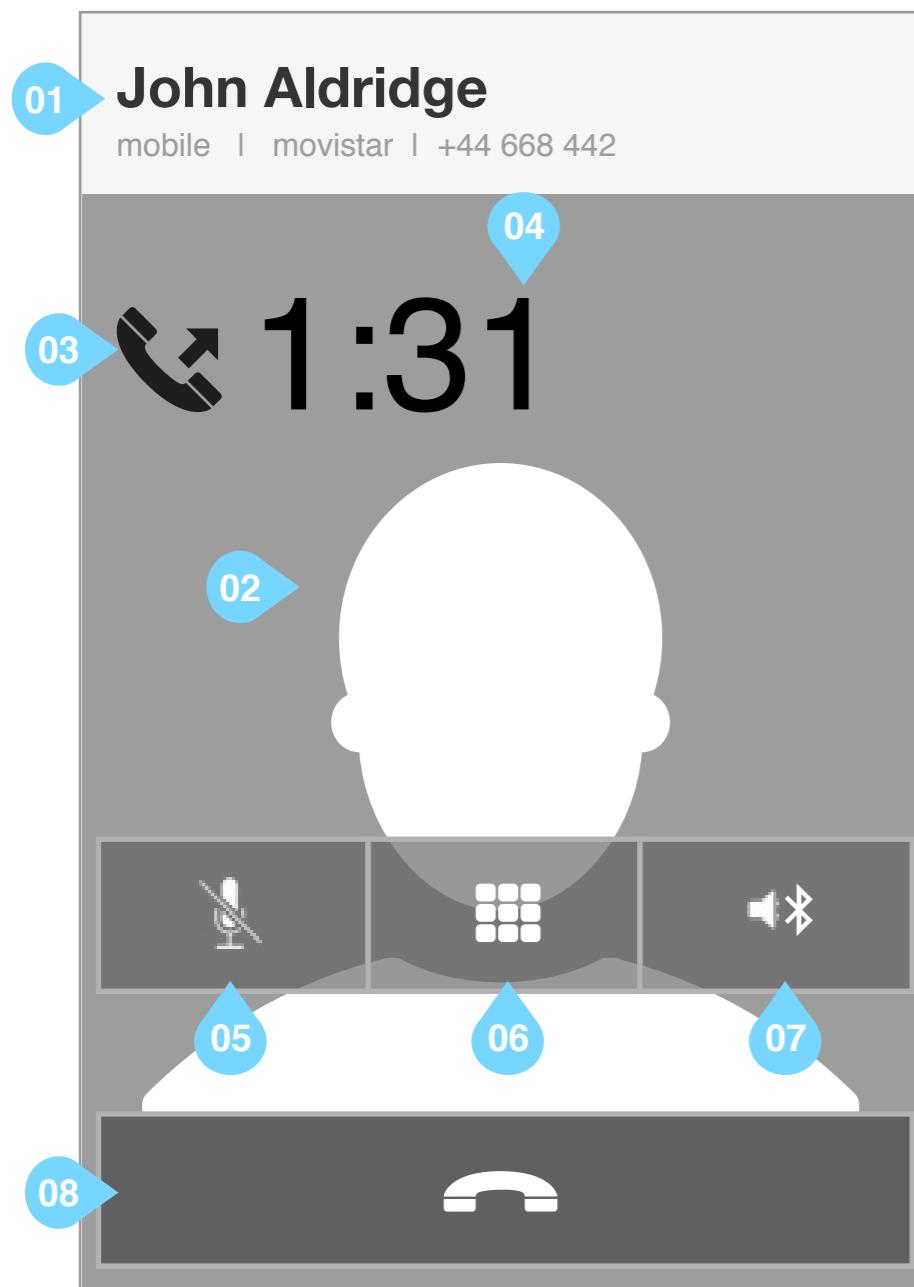
06 Opens call log

07 Opens contact list

08 Opens key pad. As illustrated in this wireframe

# HTML 5 Project : Dialer and Contacts

## call



Wireframe illustrating outgoing call interface during call

### annotation

- 01 name of contact on call and carrier.  
- If person being called is not in address book replace name for phone number
- 02 image of contact as background image
- 03 icon indicating direction of communication (incoming or out going)
- 04 duration of call

if call is connect show length of time call has been running

if call is not yet connected display text 'Calling...'

- 05 mute

#### upon tap

- microphone is turned off and call is muted
- refer to wireframe: 'call muted'

- 06 keypad

button remains inactive until the contact answers

#### upon tap

refer to wireframe: 'call status bar'

- 07 speaker

- 08 end call button

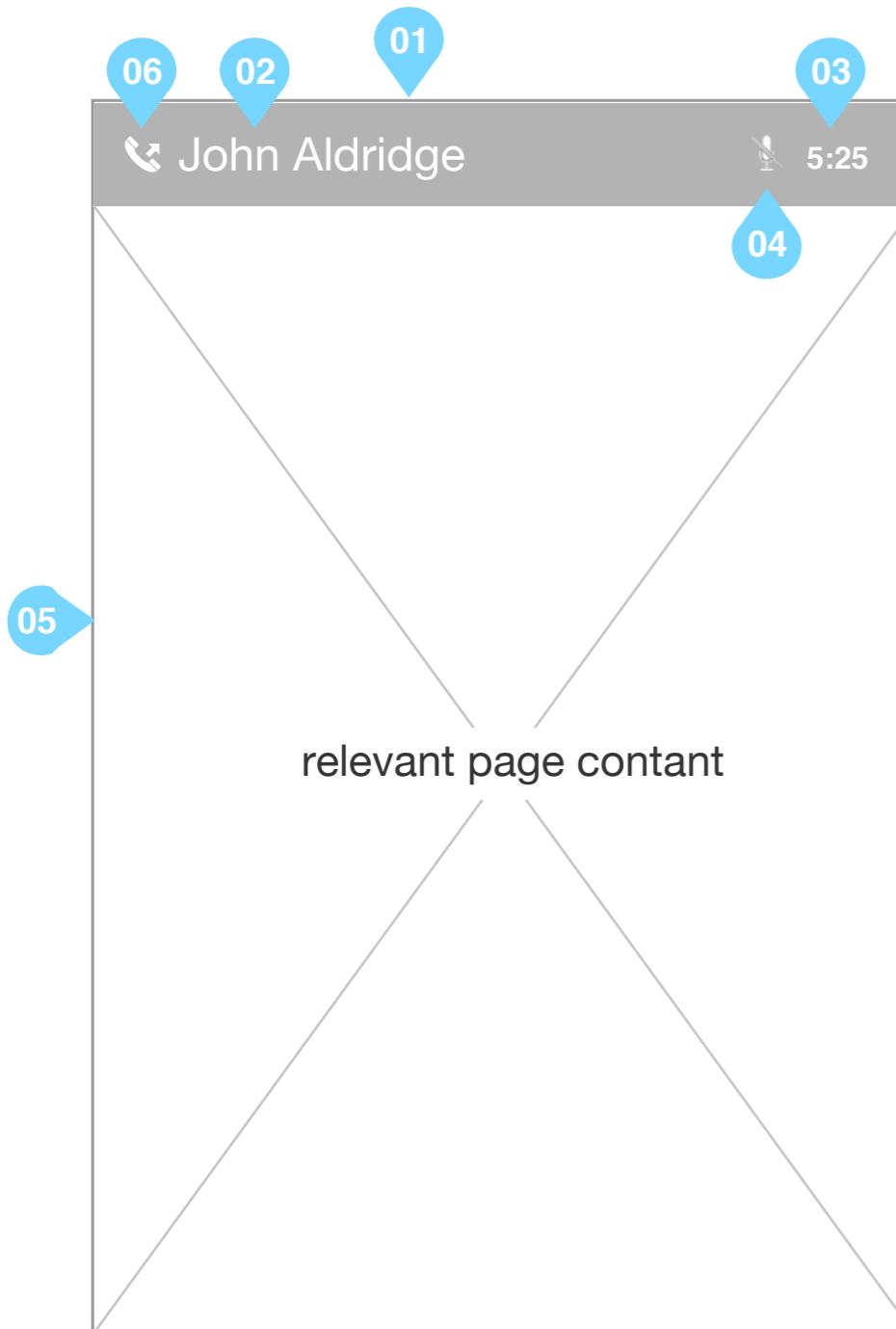
### Error state

Network is not available.

- use wireframe 'confirmation dialogue' and populate with:
  - title: "Network Lost"
  - body: "Your network is currently unavailable"
  - buttons: "OK" "settings" (settings takes the user to the phone settings)

# HTML 5 Project : Dialer and Contacts

## call status bar



Wireframe illustrating presentation of screen when call status bar is present

### annotation

01 call status bar

upon tap

- returns user back to wireframe: 'call'

02 name of person that user is speaking with.

If person is not in the users contact list then display phone number that user is currently connected to

03 duration of call

04 mute icon

- Only displayed if call is muted.

- If call is not muted. don't display anything

05 page content area

if user has selected keypad (annotation 06 in wireframe 'call')

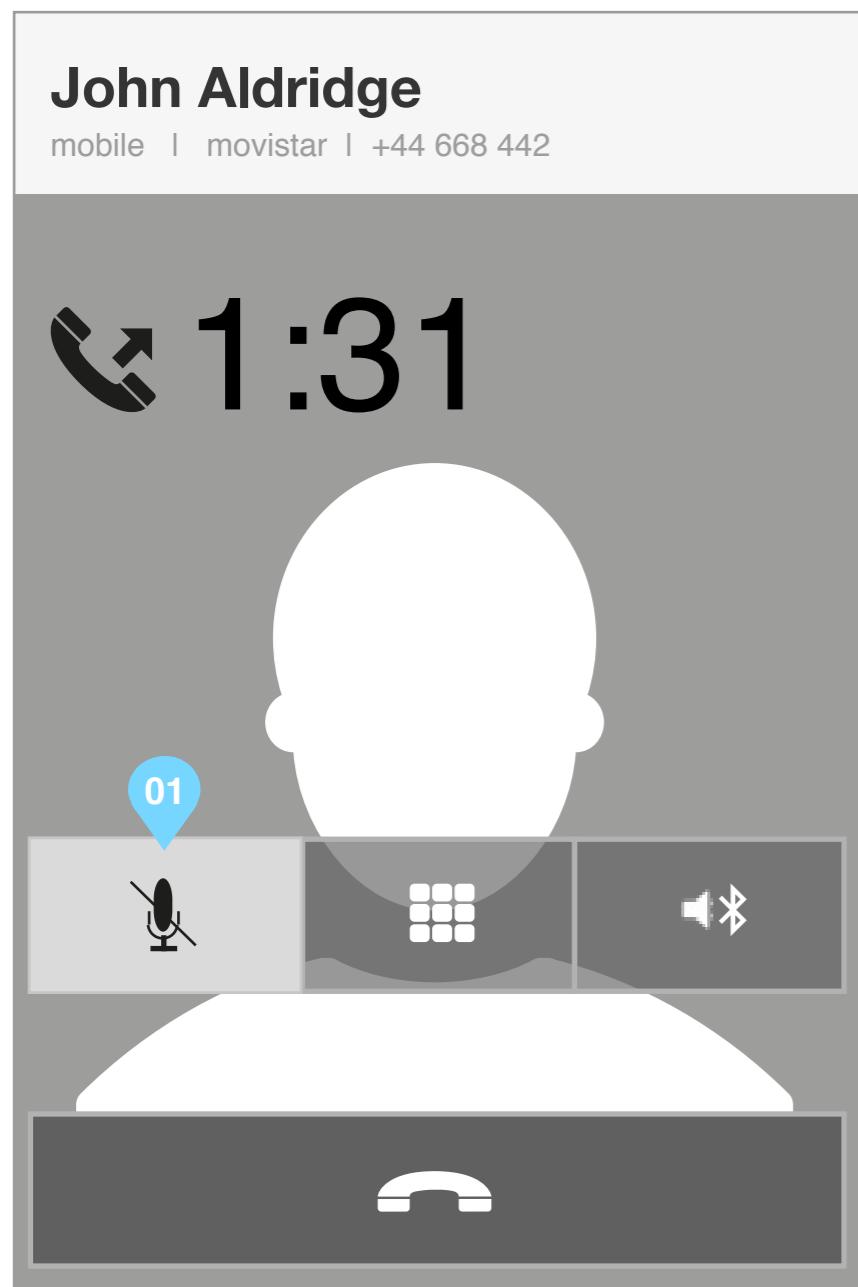
display wireframe 'incall keypad' in page content area

if user has selected 'contact list' (annotation 08 in wireframe 'call')  
display wireframe 'contact list : all' in page content area

06 iconic indication of whether the call is incoming or outgoing

# HTML 5 Project : Dialer and Contacts

## call muted



Wireframe illustrating muted call

### annotation

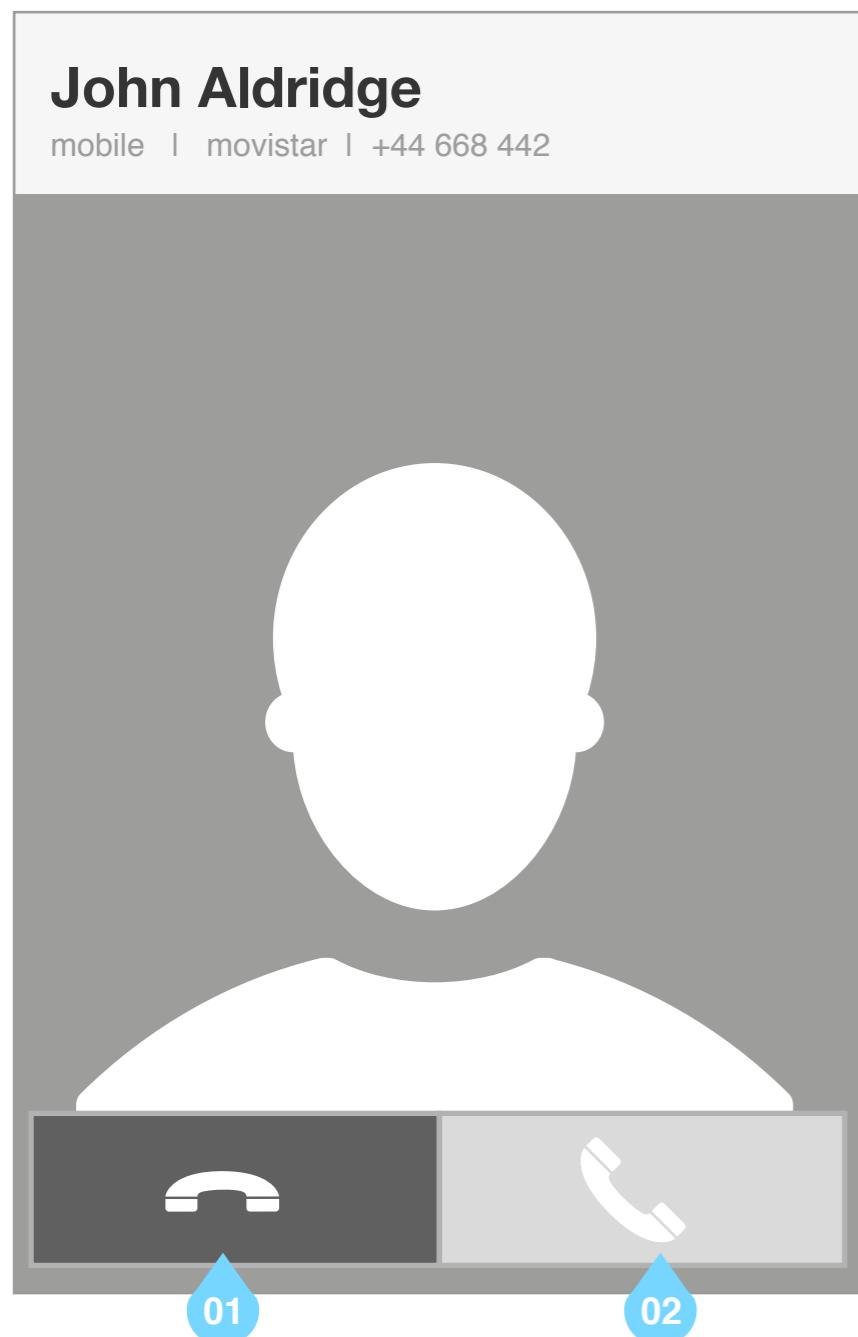
01 mute button indicating that microphone is turned off and call is in muted state

upon tap

- microphone is turned on and call is unmuted
- user returned to wireframe: 'call'

# HTML 5 Project : Dialer and Contacts

## incoming call



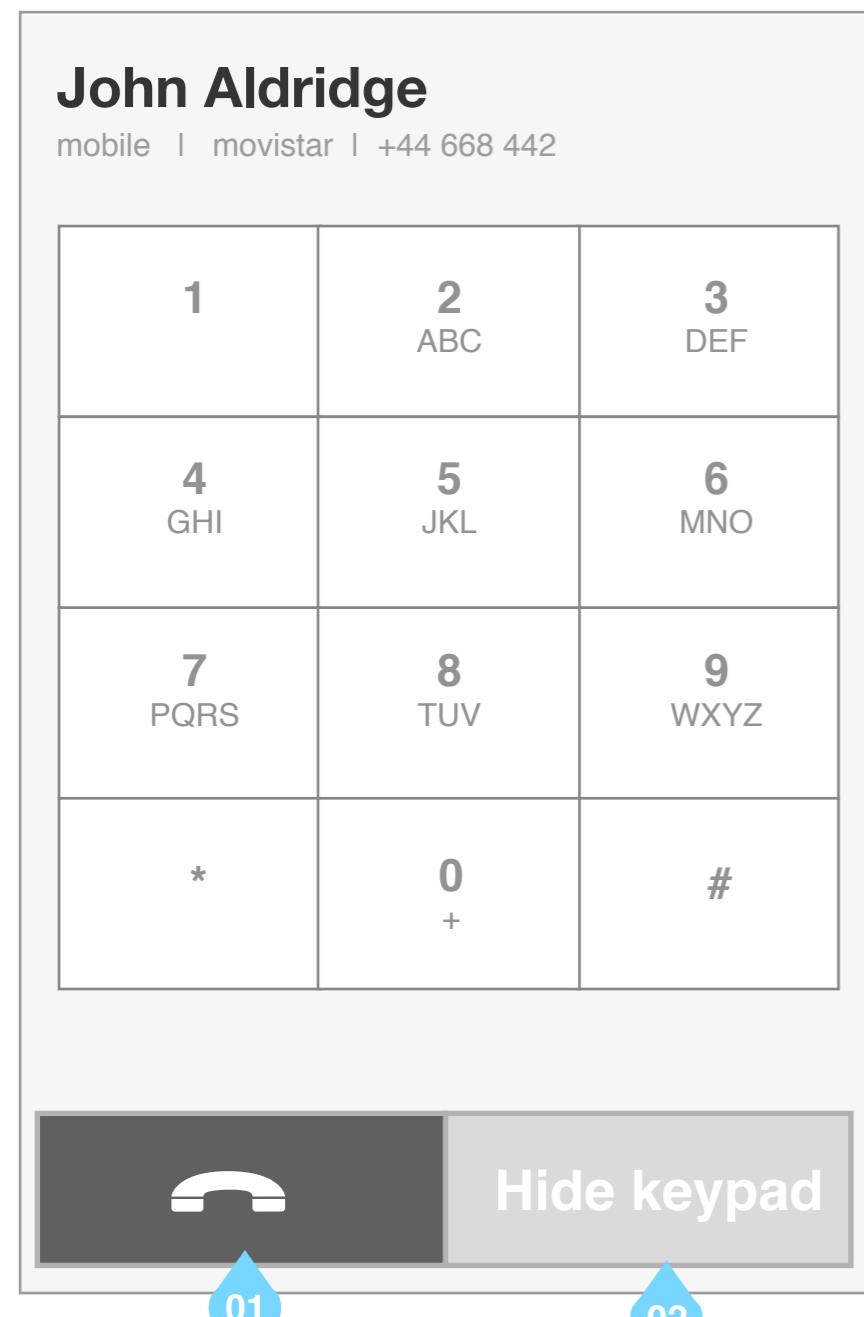
Wireframe illustrating incoming call interface. The incoming call fades out any other audio output

### annotation

- 01 decline incoming call
- 02 accept incoming call

# HTML 5 Project : Dialer and Contacts

## incall keypad



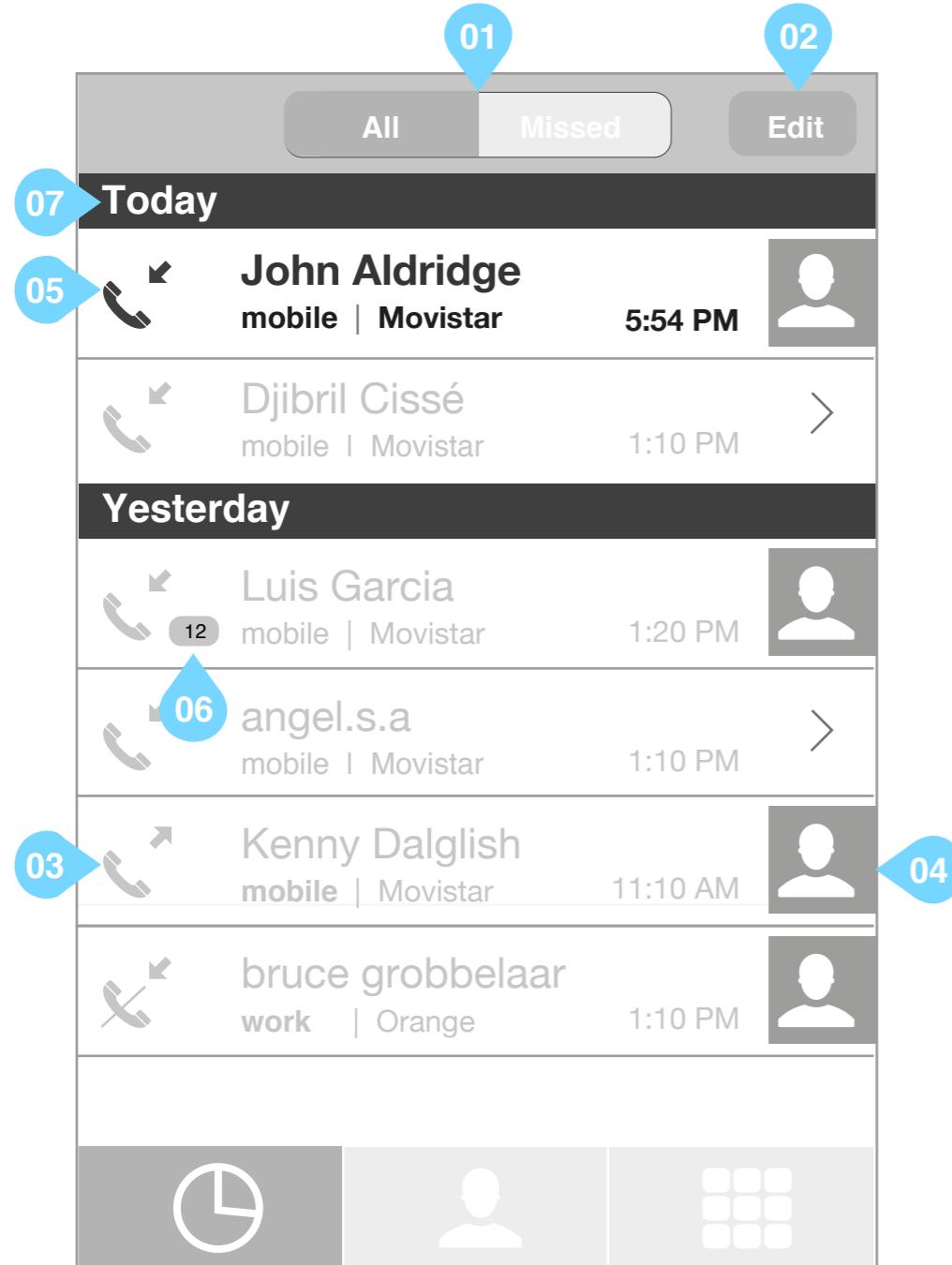
Wireframe illustrating incoming call interface. The incoming call fades out any other audio output

### annotation

- 01 ends the call
- 02 returns the user back to wireframe: 'call'

# HTML 5 Project : Dialer and Contacts

## call log



Wireframe illustrating the call log screen. call log contains all incoming, outgoing and missed calls.

**Grouping:** Where a contact has had more than one communication with the user using the same channel of communication (e.g. multiple calls from the same phone number) on the same day these communications are grouped and the timestamp displayed is that of the last communication made within that grouping.

### annotation

01 Filters

upon tap

list is filtered as selected.

02 edit button

upon tap

changes list area to editable mode. refer to wireframe 'call log : edit mode'

03 Timestamp / Image of Contact

upon tap

if user is taken to the contacts profile

04 Mode of communication icon, Contact Name and Carrier

- Carrier is taken from the notes field of the associated phone number. refer to wireframe : 'add contact'

- We need to distinguish groupings so in the rare occasions where a single contact has more than one phone number with the same carrier (i.e. the same content in the notes field for two phone numbers) display the phone number instead of the carrier (content of notes field).

upon tap

call the contact using the same phone number that is associated to the selected module. refer to wireframe 'call'

05 highlight new content in list

- New content is content that has been added to the list inbetween 'now' and the last time the user opened the call log.

- New content is considered old content when the user closes the call log.

06 indication of number of items in a group of communications

07 time labelling

Time labels are:

- Today, Yesterday, Then list the next four days by name, Then list the rest of the days by date format (d/m/yy)

So if we were working from today it would read:

- Today, Yesterday, Sunday, Saturday, Friday, Thursday, 6/4/12

If the user Adjusts the date of phone the date presentation adjusted accordingly when time stamp label is 'today' or 'yesterday'

upon scrolling content up

The time label that heads the beginning of a day anchors to the top of the scrollable pane whilst the content that belongs to that day scrolls underneath it.

The time label anchors until the next time label is reached in which case the first time stamp scrolls off the page and the second one anchors. refer to the

alphanumeric dividers in the contact list of the iphone for behavioural reference.

upon scrolling content down

The time label that heads the beginning of a day anchors to the top of the scrollable pane whilst the content that belongs to that day scrolls underneath it.

The time label anchors until the next time label is reached in which case the first time stamp is pushed down the page and the second one anchors to the

top of the scrollable pane. refer to the alphanumeric dividers in the contact list of the iphone for behavioural reference.

when the boundaries of the list are reached

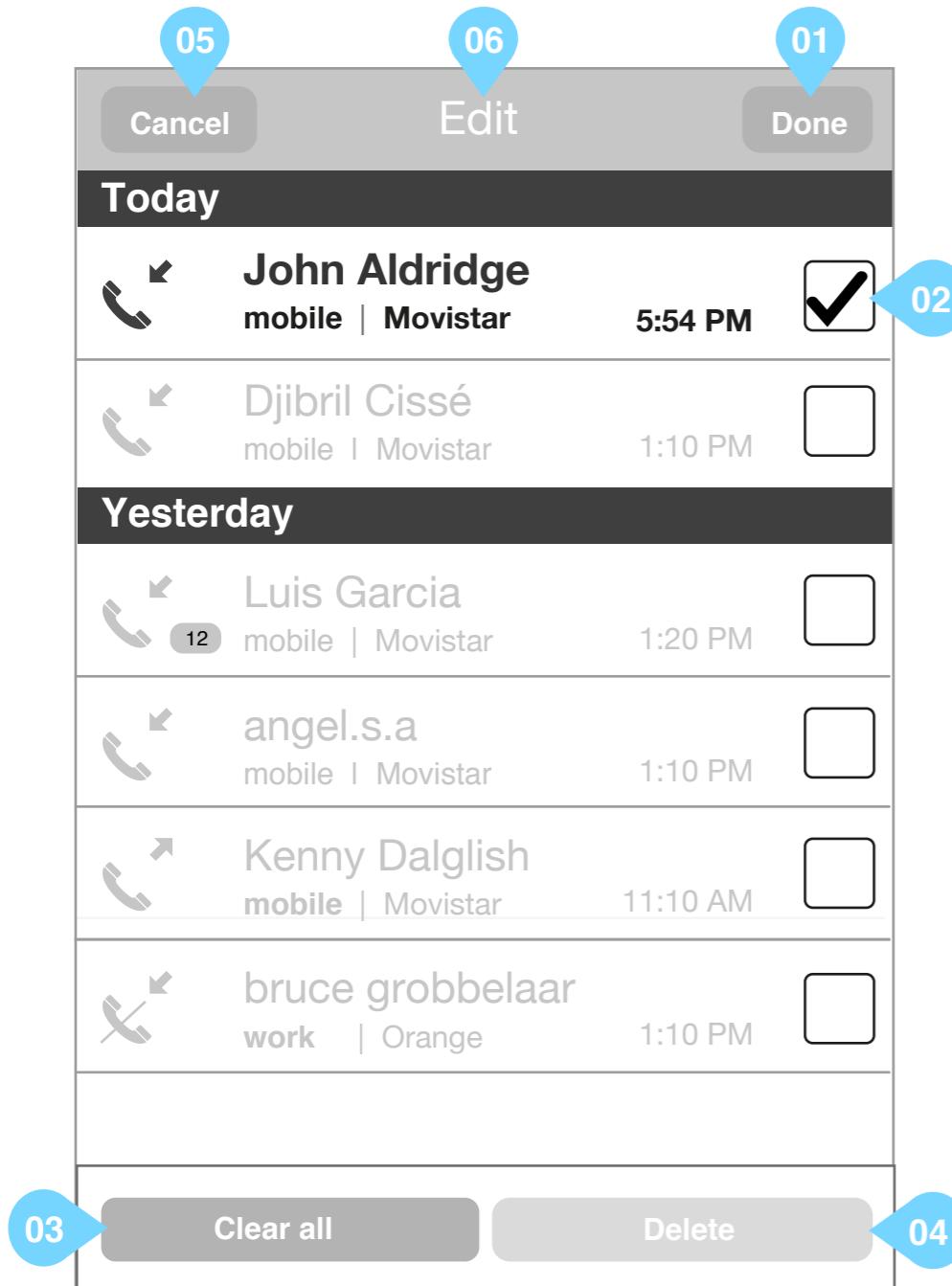
when the user drags vertically the list behaves elastically with the user being able to move the content but it snapping back to its original position when the user releases. Refer to the contact list of the iPhone for behavioural reference

**first time / empty state**

When the list is empty output 'no calls recorded, why not start communicating now'

# HTML 5 Project : Dialer and Contacts

## call log edit mode



Wireframe illustrating the call log in edit mode.

### annotation

01 done button

upon tap

- any edits to the call log are committed
- editable mode is exited and the user is returned to the call log view
- label of button changes to 'edit'
- Header text is replaced by 'all' and 'missed' tabs refer to wireframe 'call log'

02 checkbox to select a message to delete

upon tap

checkboxes become ticked

03 clear all messages button

upon tap

dialogue to confirm deletion of all messages from selected contact is opened. refer to wireframe 'confirmation dialogue'

04 delete selected messages button

upon tap

deletes all selected messages

05 cancel button

upon tap

- any edits to the call log are discarded
- editable mode is exited and the user is returned to the call log view
- label of 'Done' button changes to 'edit'
- Cancel button disappears
- Header text is replaced by 'all' and 'missed' tabs refer to wireframe 'call log'

06 header text

upon selection of a checkbox

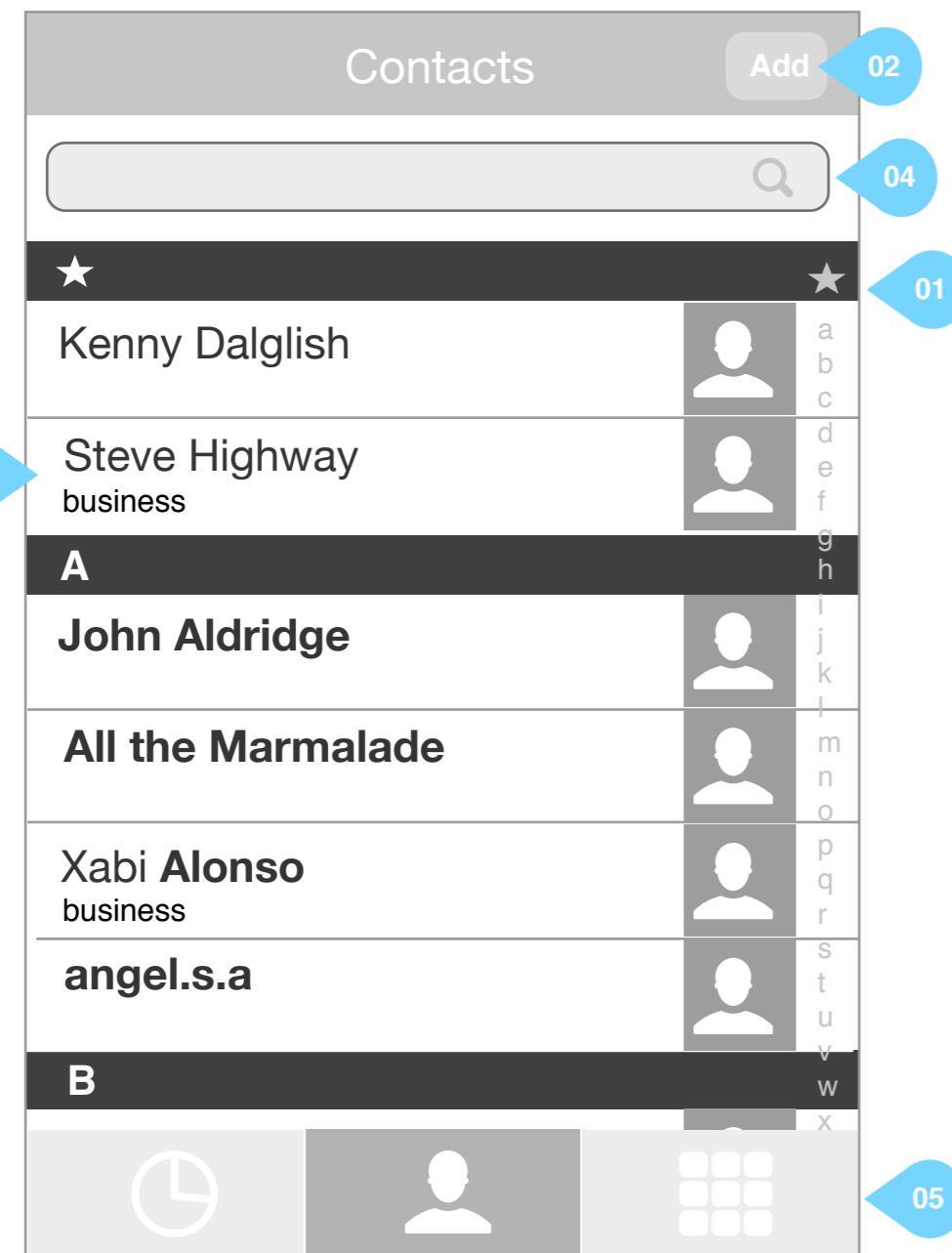
replace 'edit' with '<n> selected' where <n> is the number of checkboxes selected

### scrolling behaviour

- refer to wireframe 'call log'

# HTML 5 Project : Dialer and Contacts

## contact list



Wireframe illustrating content the contact list tab:

The instance of the Contact list in the Contact application and the Dialer should have exactly the same function and behaviour as each other EXCEPT that the instance in the Contacts application should not have the three tabs (communications log, contacts, dialer) at the bottom of the page. refer to annotation 05

### annotation

01 vertical index

upon tap

takes the user to the position in the contacts list starting with the selected letter

02 Add contact

upon tap

Takes user to the new contact screen

03 Contact module including content of 'business' field if used

- content of business field is drawn from 'Company Name' detailed in wireframe: 'add contact' contained in this document.

upon tap

Takes user to contact detail information. refer to wireframe 'contact detail'

04 search facility allowing the user to search for a contact within the contacts list

upon tap

Takes user to search screen. refer to wireframe 'contact list search'

05 Soft keys

If contact list is launched from contact app icon do not display these

### scrolling behaviour

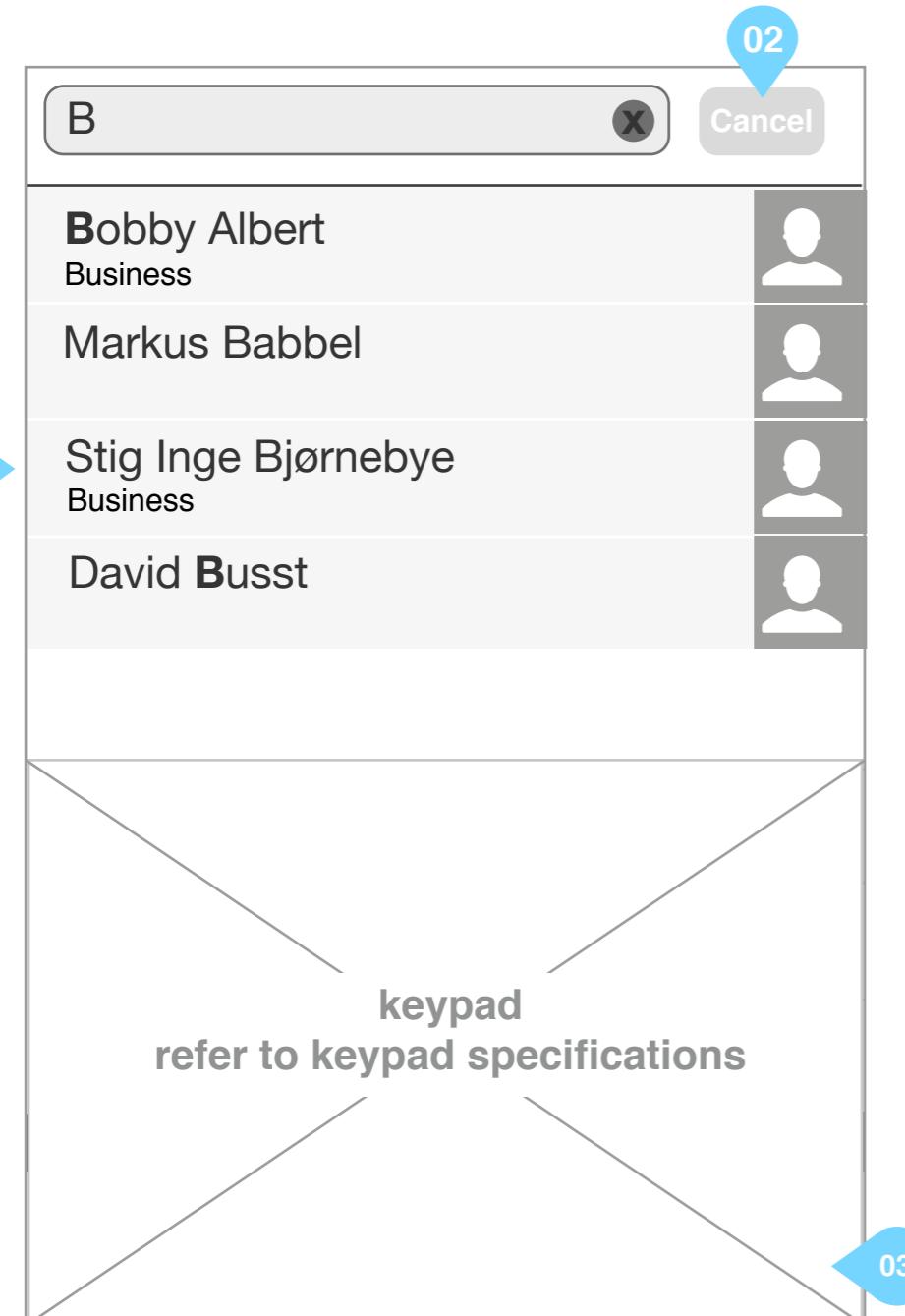
- refer to wireframe: 'call log'. but substitute 'time label' for 'alphabetic label'

### first time / empty state

- Suggest presenting in page invitation to import contacts or add new contacts.

# HTML 5 Project : Dialer and Contacts

## contact list searching



Wireframe illustrating search functionality in the contact list

### annotation

01 call to action to delete content of textfield

upon tap

- content of text field is cleared
- displayed results are reset

02 cancel button

upon tap

- search function is exited and user is returned to wireframe 'contact list : all'

03 Search button on keyboard

upon tap

- Keyboard closes. User is presented with wireframe 'contact list : search results'

04 List of search results

Each contact module includes name of contact and content of 'business' field if used

upon tap

- Keyboard closes. User is presented with wireframe 'contact list : search results'

### scrolling behaviour

when the boundaries of the list are reached

when the user drags vertically the list behaves elastically with the user being able to move the content but it snapping back to its original position when the user releases. Refer to the contact list of the iPhone for behavioural reference

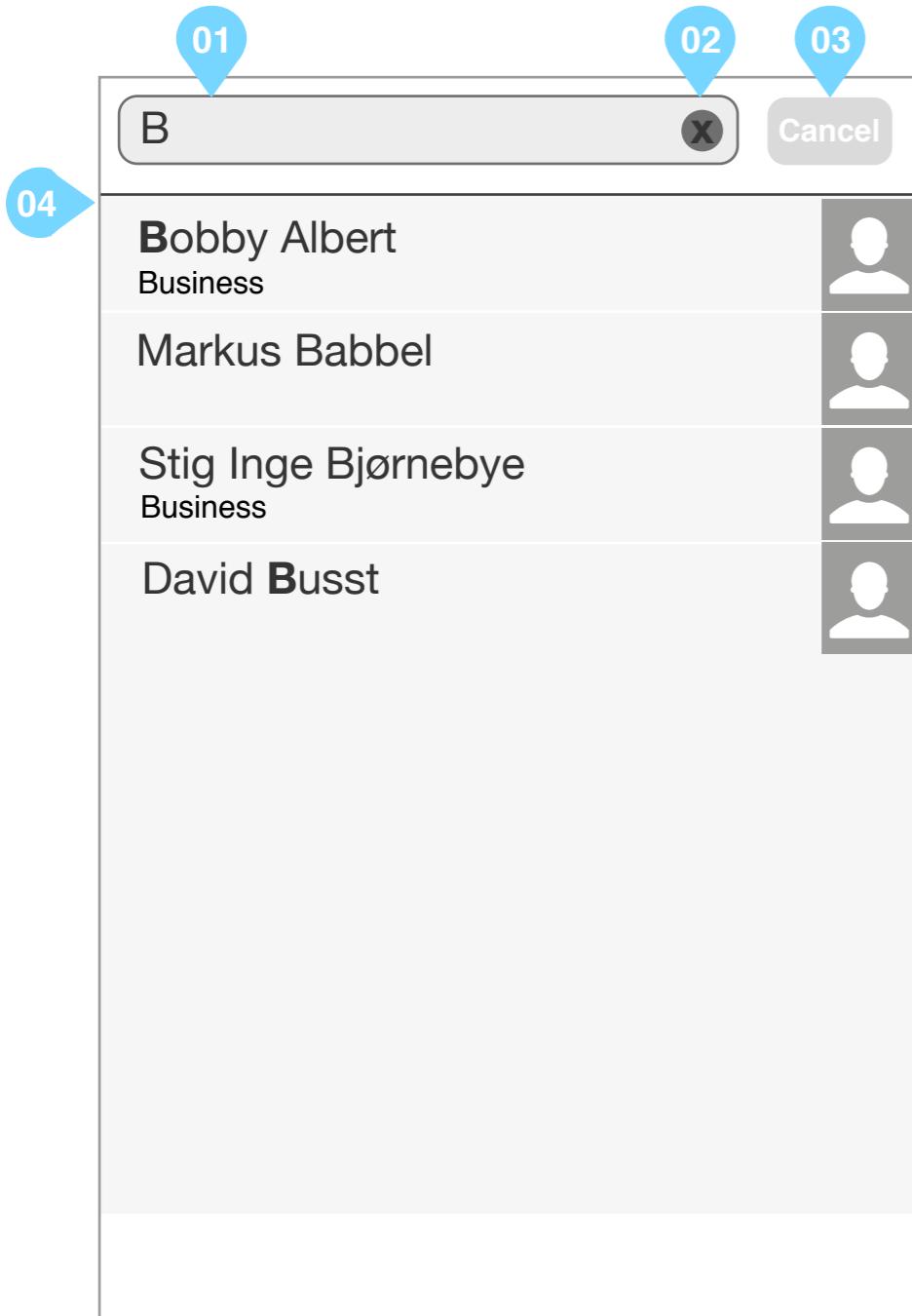
### Error state

No results returned in search of contacts list

- output message in place of List of Search Results: "no contacts found"

# HTML 5 Project : Dialer and Contacts

## contact list search results



Wireframe illustrating search results in the contacts list. The user can drill into the profiles and communications behind the displayed results

### annotation

01 search criteria in textfield

upon tap

- keyboard is displayed again
- search criteria is maintained in textfield

02 call to action to delete content of textfield

upon tap

- keyboard is displayed again
- content of textfield is cleared

03 cancel button

upon tap

- search function is exited and user is returned to wireframe 'contact list : all'

04 Contact module includes name of contact and content of 'business' field if used  
same behaviour as detailed in wireframe : 'contact list : all'

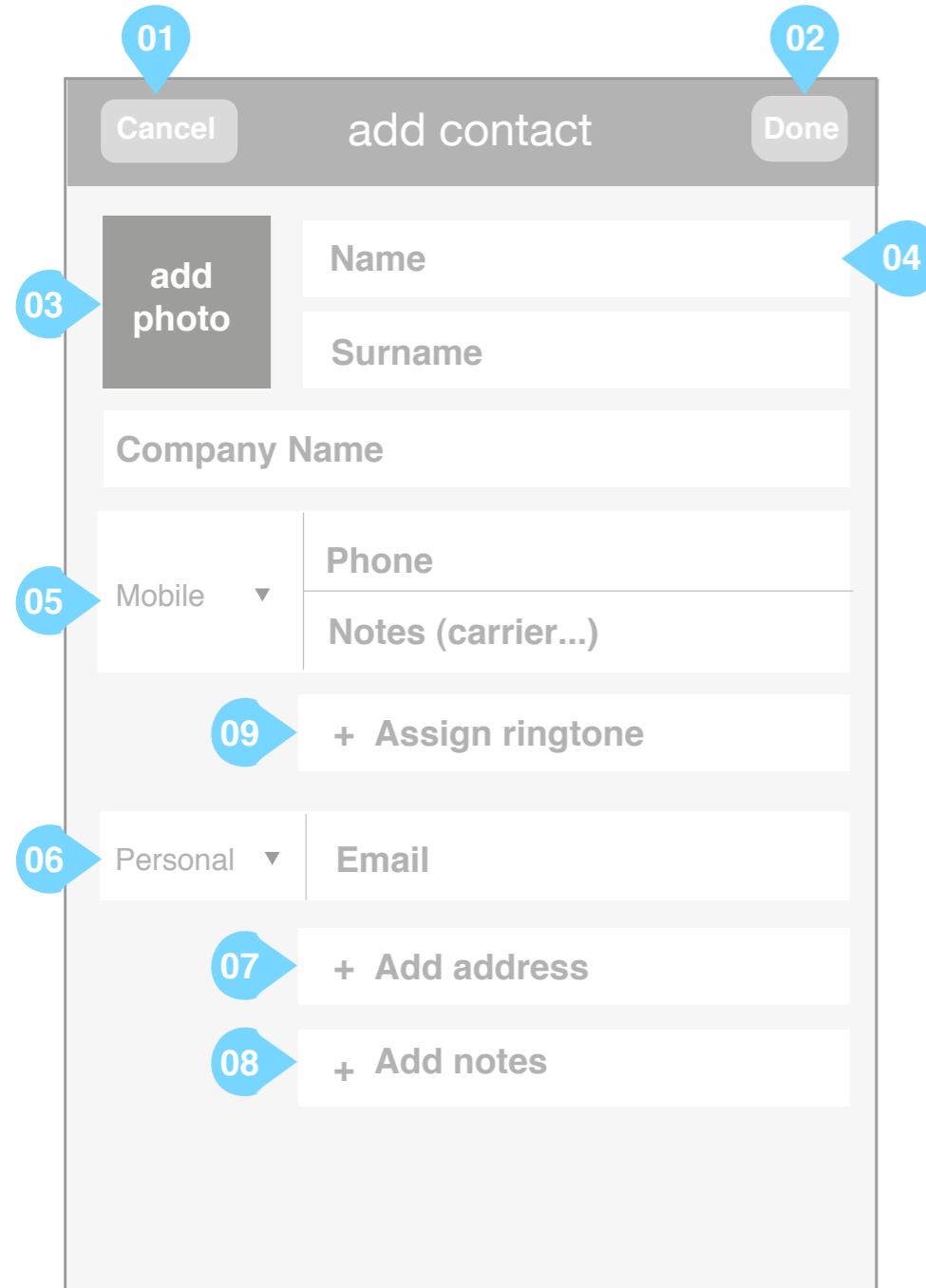
### scrolling behaviour

when the boundaries of the list are reached

when the user drags vertically the list behaves elastically with the user being able to move the content but it snapping back to its original position when the user releases. Refer to the contact list of the iPhone for behavioural reference

# HTML 5 Project : Dialer and Contacts

## add contact



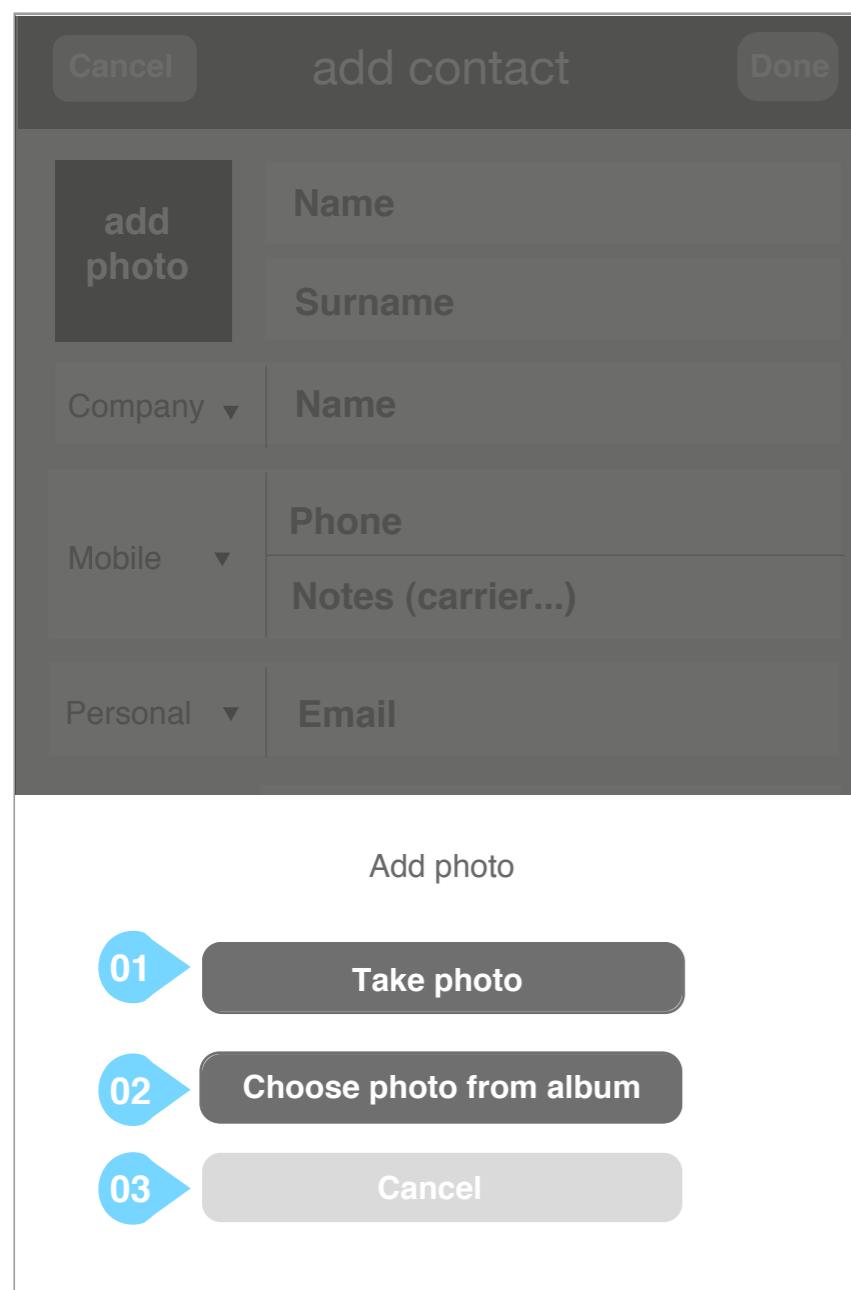
Wireframe illustrating the interface through which the user can add a new contact

### annotation

- 01 back button
  - upon tap
    - any edits to the contact are discarded
    - user is returned to contact list interface. refer to wireframe 'contact list : all'
- 02 done button
  - upon tap
    - any edits to the contact are committed
    - user is returned to contact list interface. refer to wireframe 'contact list : all'
- 03 call to action to add photo
  - upon tap
    - user taken to wireframe 'add photo'
- 04 call to action to edit insert field
  - upon tap
    - user taken to wireframe 'edit phone number'
- 05 call to action to change mobile field tag
  - upon tap
    - user taken to wireframe 'phone number field tag'
- 06 call to action to change personal field tag
  - upon tap
    - user taken to wireframe 'mail field tag'
- 07 call to action to add address insert field
  - upon tap
    - user taken to wireframe 'contact detail edit mode'
- 08 call to action to add a notes insert field
  - upon tap
    - user taken to wireframe 'contact detail edit mode'
- 09 assign ringtone (version 2 functionality)
  - upon tap
    - opens up listing of ring tones

# HTML 5 Project : Dialer and Contacts

## add photo



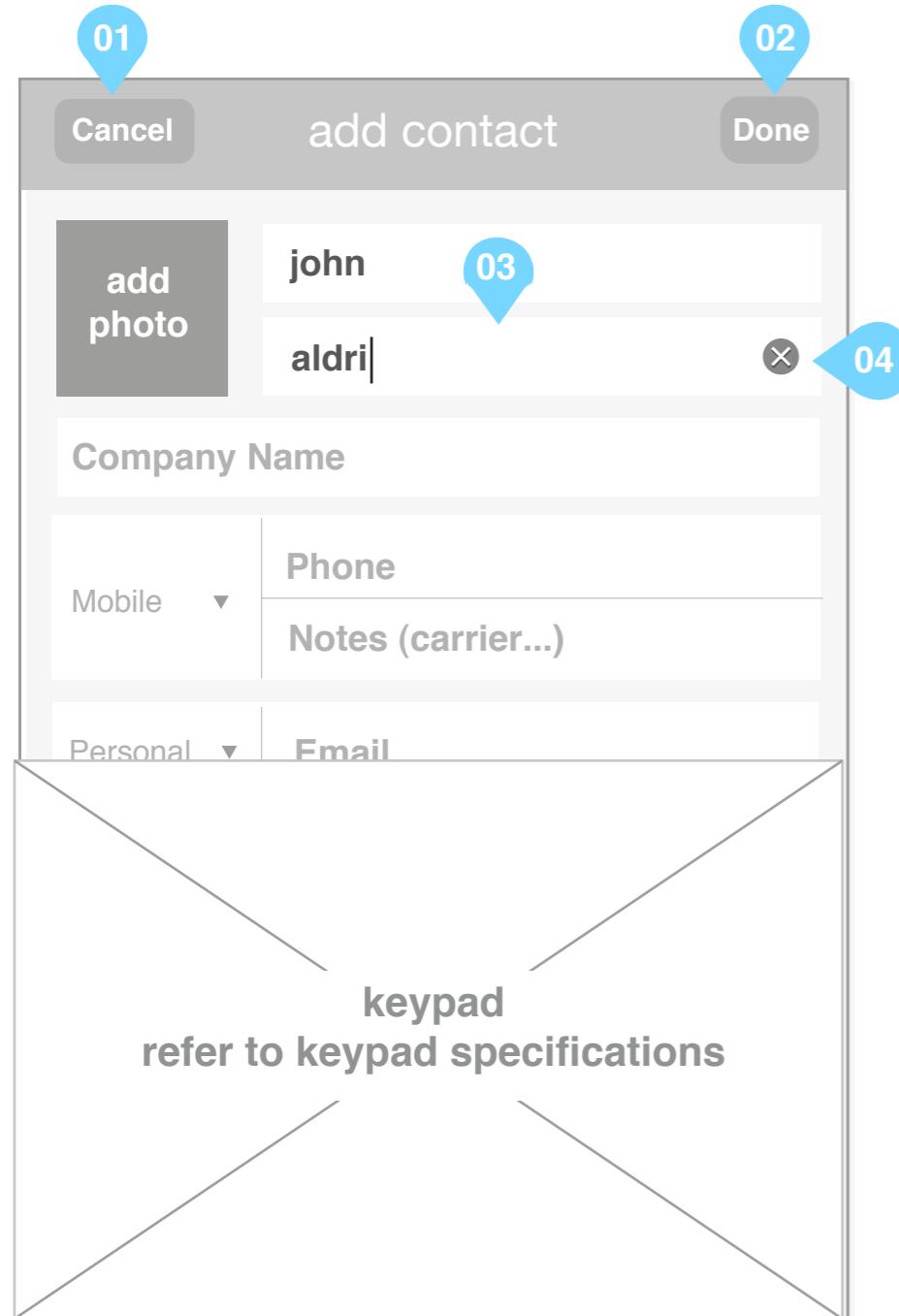
Wireframe illustrating the add photo dialogue

### annotation

- 01 call to action to take photo  
upon tap
  - launches camera app
- 02 call to action to select existing photo from album  
upon tap
  - launches gallery app
- 03 Cancel button  
upon tap
  - closes add photo dialogue
  - user is returned to the add contact interface. refer to wireframe 'contact list : add contact'

# HTML 5 Project : Dialer and Contacts

## edit insert field



Wireframe illustrating the interface through which the user can add a new contact

### annotation

- 01 cancel button
  - upon tap
    - any edits to the contact are discarded
    - user is returned to contact list interface. refer to wireframe 'contact list'
- 02 done button
  - upon tap
    - any edits to the contact are committed
    - user is returned to contact list interface. refer to wireframe 'contact list'
- 03 Edit insert field
  - upon tap
    - focus on the field, display keyboard.
- 04 call to action to delete the information on the field
  - upon tap
    - delete all the characters inserted inside the field

# HTML 5 Project : Dialer and Contacts

## add phone number / add email address

01

02

03

04

05

06

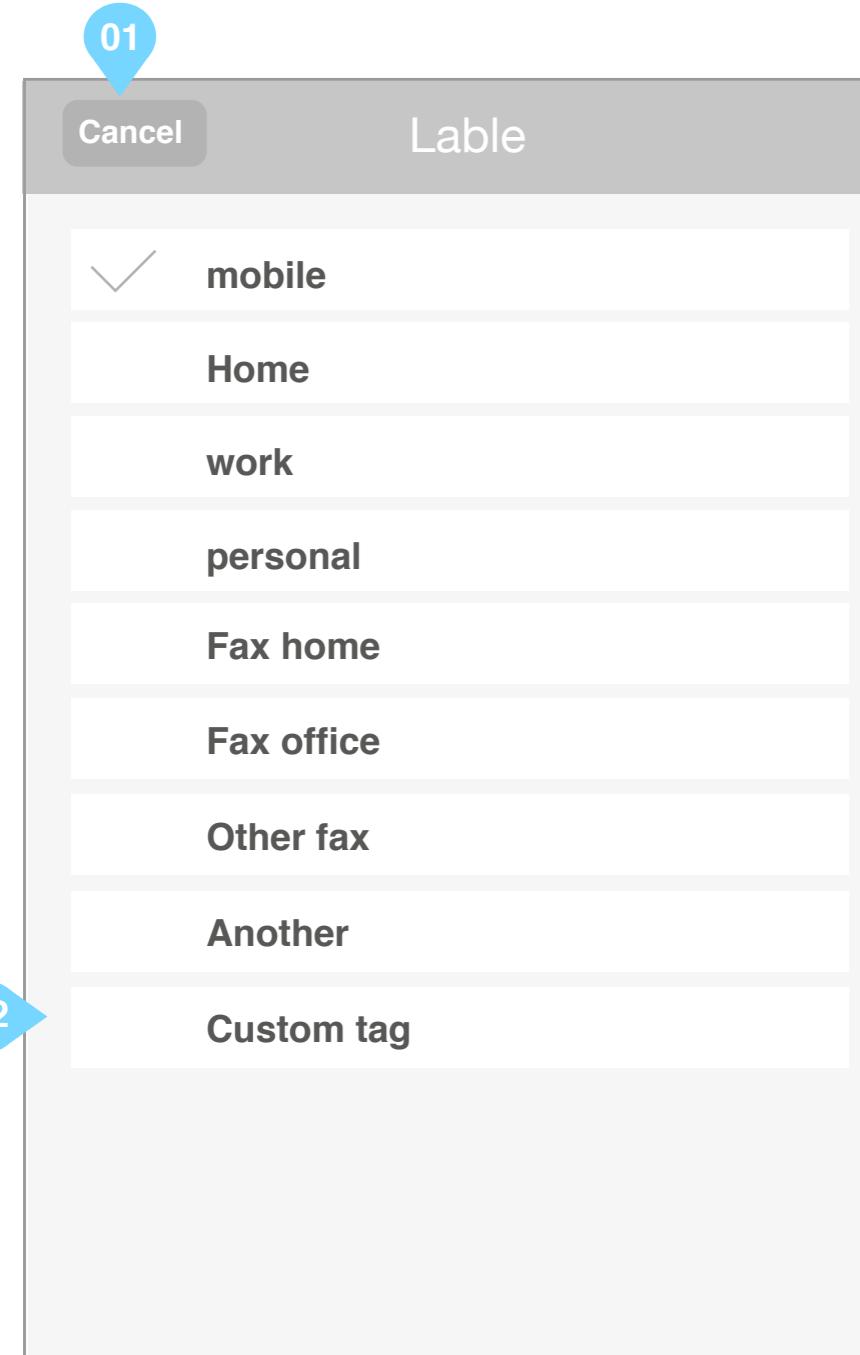
Wireframe illustrating the interface through which the user can add a new contact

### annotation

- 01 back button
  - upon tap
    - any edits to the contact are discarded
    - user is returned to contact list interface. refer to wireframe 'contact list'
- 02 done button
  - upon tap
    - any edits to the contact are committed
    - user is returned to contact list interface. refer to wireframe 'contact list'
- 03 Full insert field
  - user may have more than one phone number.
- 04 call to action to add another phone number field
  - appears as soon as first phone number field is edited
- 05 full insert field
  - upon tap
    - focus on the end of the field
- 06 call to action to add another email field
  - appears as soon as first phone number field is edited

# HTML 5 Project : Dialer and Contacts

## phone number field tag



Wireframe illustrating the interface through which the user can add a new contact

### annotation

01 back button

upon tap

- any edits to the contact are discarded
- user is returned to contact list interface. refer to wireframe 'contact list : all'

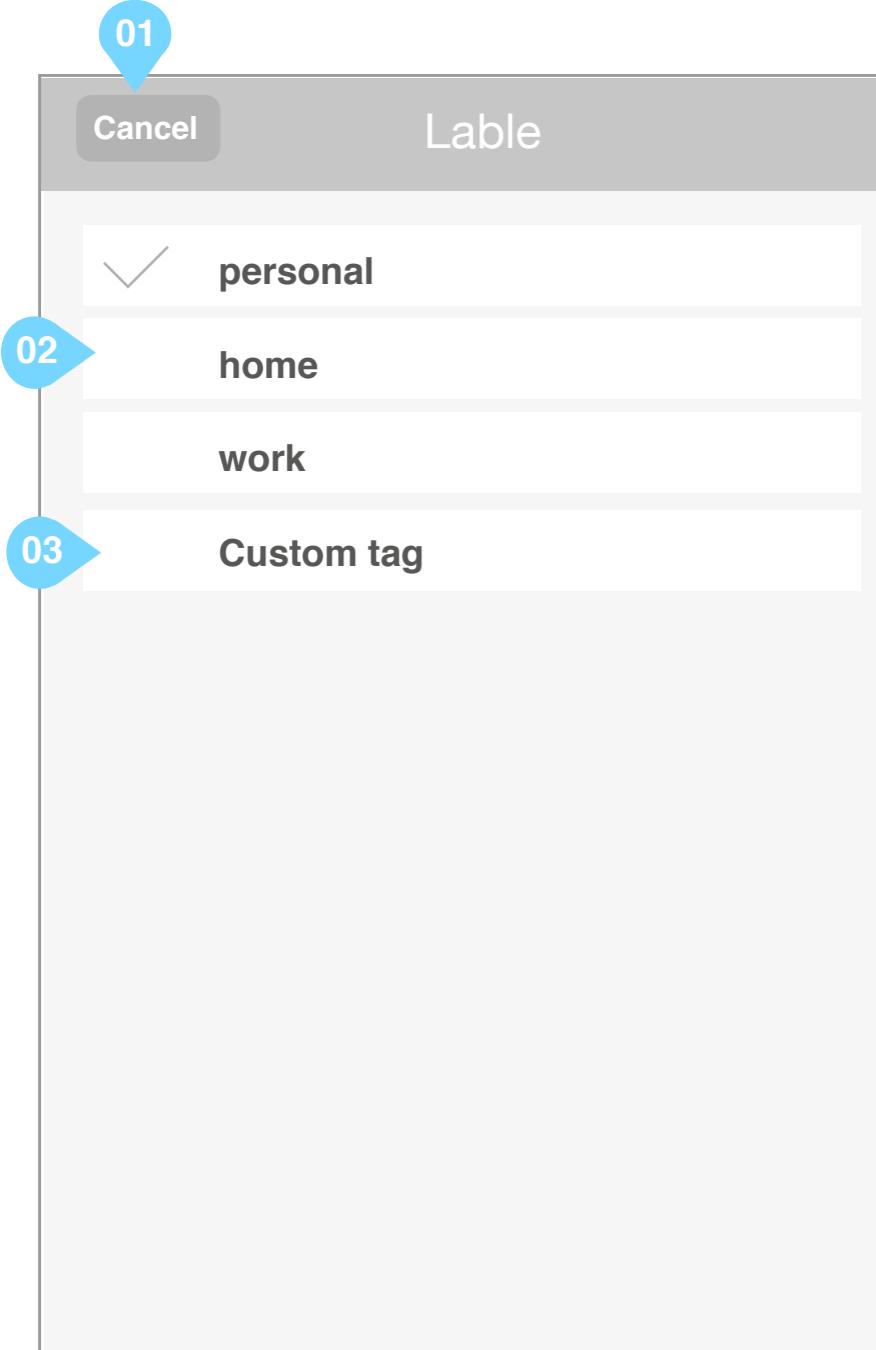
02 call to action to add a custom field tag

upon tap

user taken to a screen with an editable single field.

# HTML 5 Project : Dialer and Contacts

## email field tag



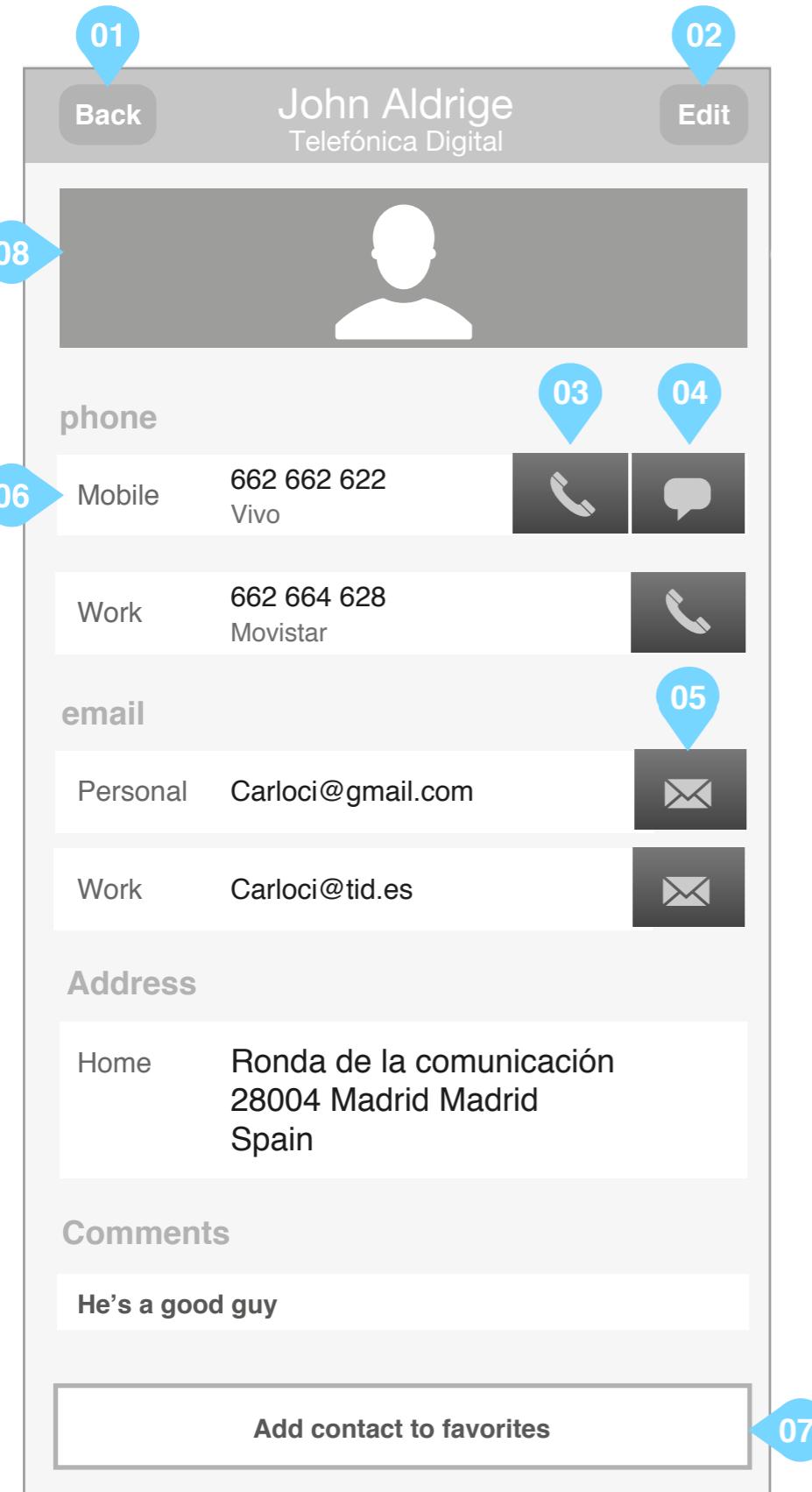
Wireframe illustrating the interface through which the user can add a new contact

### annotation

- 01 back button
  - upon tap
    - any edits to the contact are discarded
    - user is returned to contact list interface. refer to wireframe 'contact list : all'
- 02 call to action to change field tag
  - upon tap
    - The name tag is selected, user taken to previous screen with field tag updated.
- 03 call to action to add a custom field tag
  - upon tap
    - user taken to a screen with an editable single field.

# HTML 5 Project : Dialer and Contacts

## contact detail



Wireframe illustrating content that is contained under the Contact Detail tab within a contacts profile.

### annotation

01 back button

upon tap

user is returned to the view that they accessed the contacts profile from

02 edit button

upon tap

- changes the contact detail area to editable mode.

- label of button changes to 'done'

refer to wireframe 'contact list: edit full contact'

03 call to action to phone the contact using the associated phone number

upon tap

dials associated phone number

04 call to action to send an SMS to the associated number

upon tap

if existing SMS conversation already exists:

- go to existing message thread. refer to wireframe 'SMS : message thread'

if there is no existing SMS conversation already existing:

- go to new message composer with the 'TO' field prepopulated with the contacts name. refer to wireframe 'SMS : new message composer'

05 call to action to send an email to the associated email address

upon tap

Email composer is launched with contacts email address prepopulated in the 'To' field.

06 instance of communication channel

- the communication channel at the top of the list represents the users primary mode of communication with the contact for the given genre of communication

07 Add to favourites button

upon tap

- Selected contact is added to the users favourites list within contacts

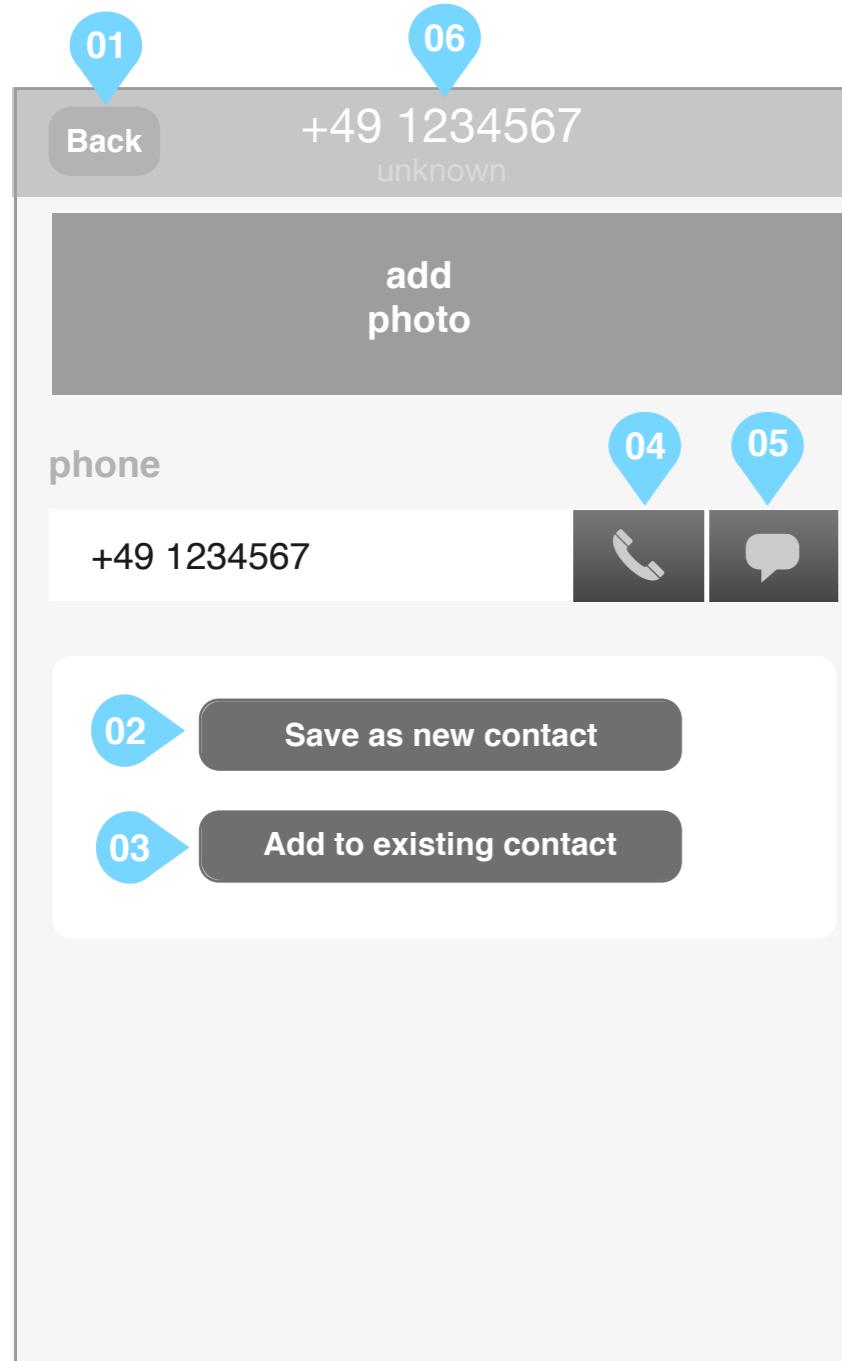
- Button changes label to 'remove from favorites'.

08 Profile image

For behaviour and presentation of profile image refer to Path: <https://path.com/>

# HTML 5 Project : Dialer and Contacts

## unknown contact detail



Wireframe illustrating Contact Detail tab within the profile of an unknown contact. An unknown contact is one that has had communication with the end user, but is not listed in the contacts list

### annotation

01 back button

upon tap

user is returned to the view that they accessed the unknown contacts profile from

02 save new contact as button

upon tap

- converts the unknown contact profile detail into edit mode. refer to wireframe: 'contact list : add contact'

03 add to existing contact button

upon tap

- opens contact list allowing user to add this information to an existing contact. refer to wireframe 'contact list : all'

04 call to action to phone the contact using the associated phone number

upon tap

dials associated phone number

05 call to action to send an SMS to the associated number

upon tap

if existing SMS conversation already exists:

- go to existing message thread. refer to wireframe 'SMS : message thread'

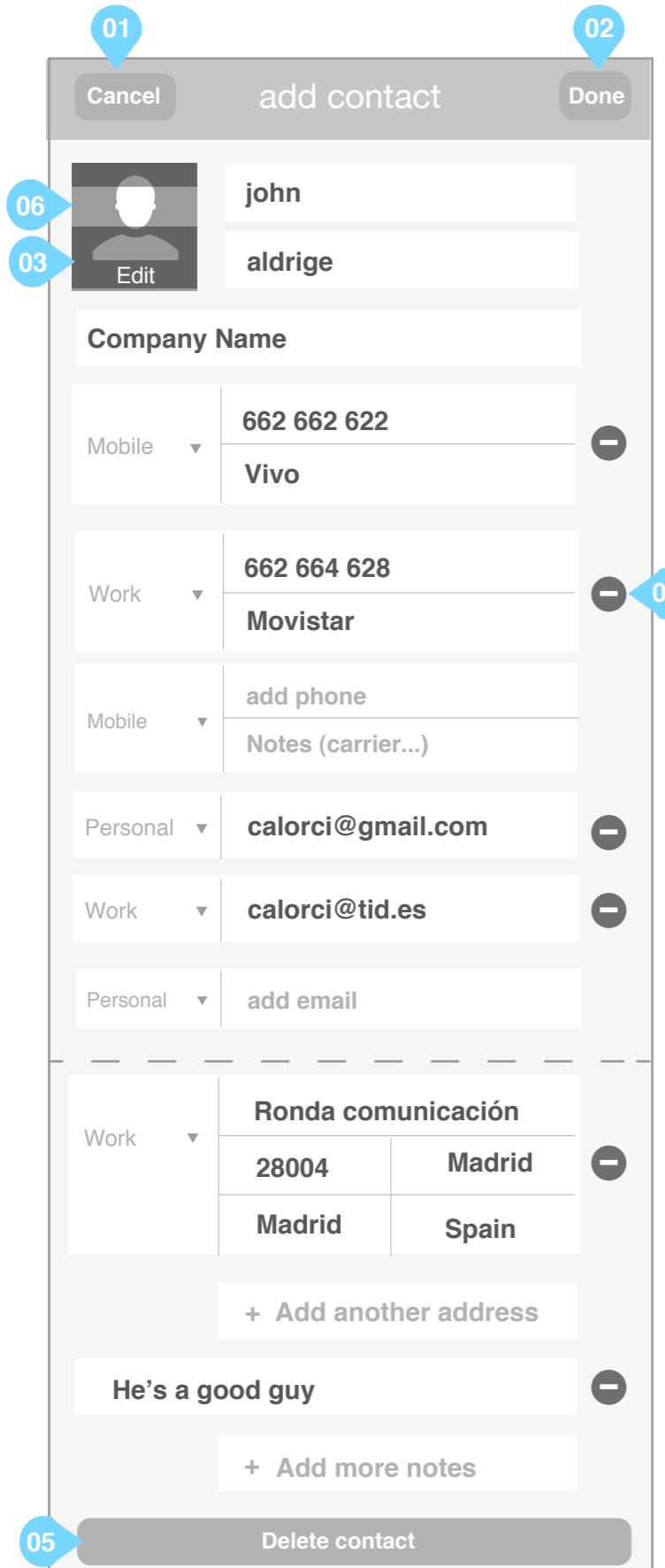
if there is no existing SMS conversation already existing:

- go to new message composer with the 'TO' field prepopulated with the contacts name. refer to wireframe 'SMS : new message composer'

06 If contact is unknown replace name with phone number

# HTML 5 Project : Dialer and Contacts

## contact detail edit mode

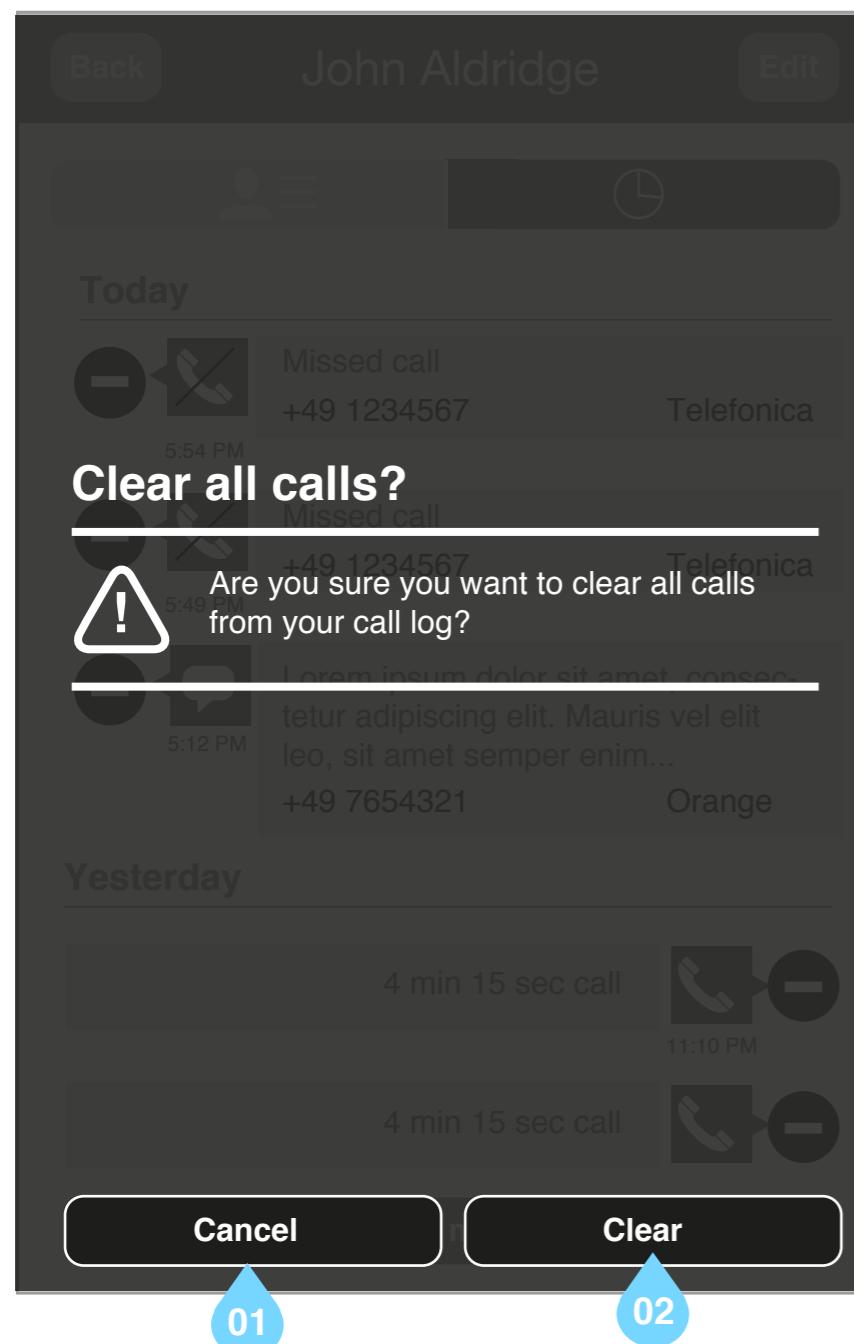


Wireframe illustrating the interface through which the user can add a new contact

### annotation

- 01 back button
  - upon tap
    - any edits to the contact are discarded
    - user is returned to contact list interface. refer to wireframe 'contact list : all'
- 02 done button
  - upon tap
    - any edits to the contact are committed
    - user is returned to contact list interface. refer to wireframe 'contact list : all'
- 03 call to action to a edit photo
  - Images can be any size. however we scale to a fixed width meaning that:
    - landscape images get scaled down on the vertical to the width of the box and are centered within the box.
    - portrait images are scaled to the width of the box and the box, if necessary, grows vertically pushing the rest of the content on the page down.
  - upon tap
    - user taken to wireframe 'contact list : add photo'
  - upon horizontat drag
    - the highlighted (refer to annotation 06) area moves up and down vertically
- 04 call to action to delete field
  - upon tap
    - dialogue to confirm deletion of message is opened. refer to wireframe 'profile : timeline delete individual communication confirmation'
- 05 delete contact button
  - upon tap
    - dialogue to confirm deletion of contact from contact list along with and all communications the user has received from the contact is opened.
- 06 highlighted area of image that correlates to images presentation in wireframe: 'contact detail'

# HTML 5 Project : Dialer and Contacts confirmation dialogue



Wireframe illustrating the delete all communications confirmation dialogue.

## annotation

### 01 cancel button

#### upon tap

- closes delete all communication dialogue
- no communications are deleted
- user is returned to the view delete communication dialogue was launched from

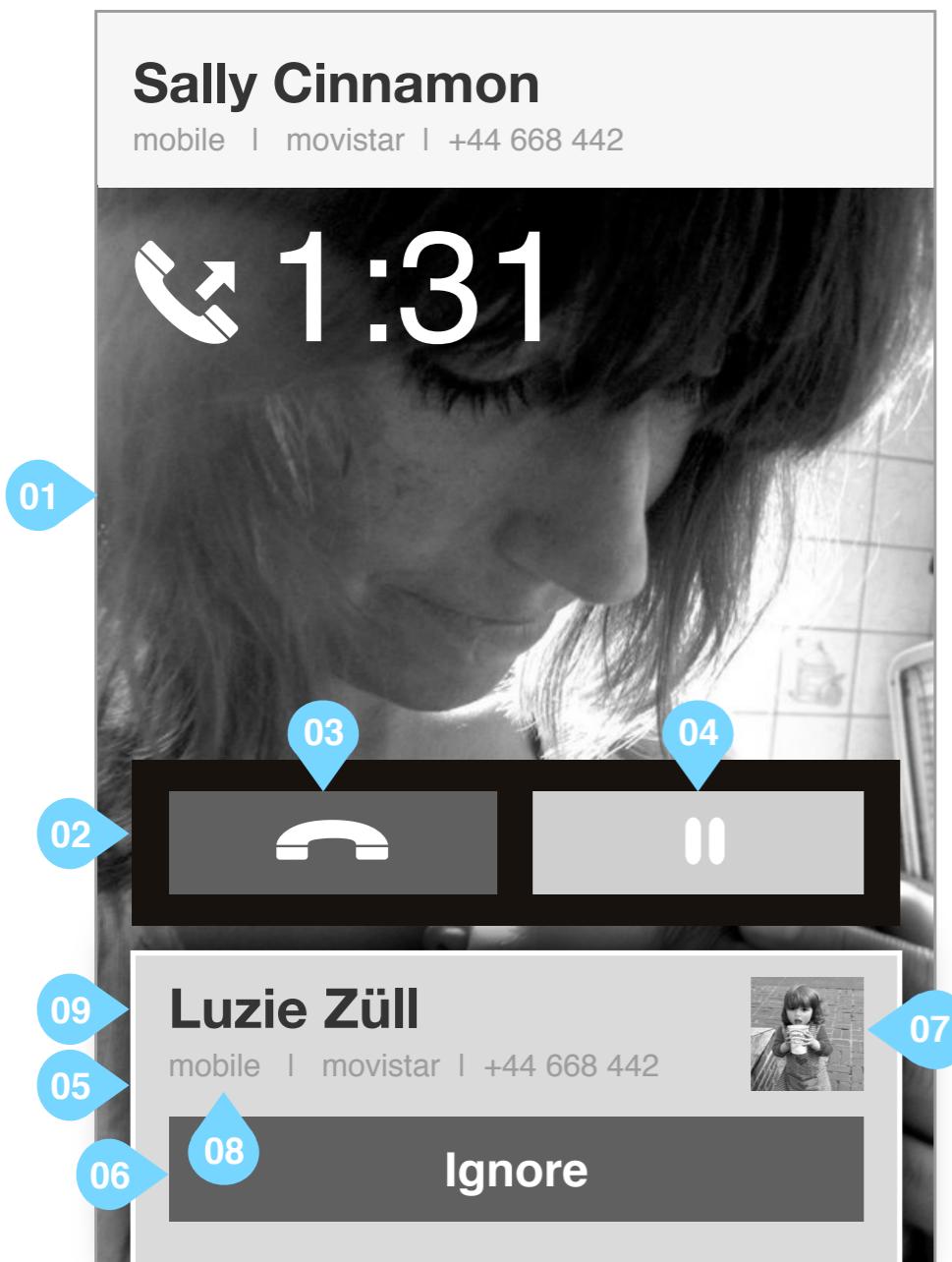
### 02 confirm button

#### upon tap

- closes delete all communication dialogue
- all communications with the selected contact are deleted
- user is returned to the contact log tab within a contacts profile with no communications present. refer to wireframe 'contact log no communications'

# HTML 5 Project : Dialer and Contacts

## Call waiting: notification of second incomming call



Wireframe illustrating notification of incoming call whilst the user is already on a call and call waiting is not disabled in the phones settings (US1 / US2)

n.b. (US \*) is a reference for the appropriate user story detailed by Daniel Coloma in his email of 19/07/2012.

### annotation

01 photo associated to contact that user is currently talking to

02 container for CTA's to handle current call

03 end current call (US3 - please note i have compressed this into a single step)

#### upon tap

- ends current call and accepts new incoming call

04 pause current call (US5)

#### upon tap

- pauses current call and starts new incoming call. refer to wireframe: 'Second call active'

05 incoming call module

#### transition upon receiving an incoming call

- incoming call module slides up from the bottom of the screen to overlay background image of current call

- panel containing 'end call button' of current call as detailed in annotation 08 of wireframe: 'call' is pushed up as the incoming call module slides up the screen and its content morph into those shown in annotation 02, 03, 04 of this wireframe.

06 Ignore button (US4)

#### upon tap

- incoming call is rejected.

- if the user has activated voice mail the incoming call is redirected to voice mail.

- if the user has not activated voice mail the incoming caller hears the "busy tone".

- incoming call module slides off the bottom of the screen

- interface is returned to original state. refer to wireframe: 'call'

07 image associated to the incoming caller in the users address book

- only show image if one exists. if no image exists show nothing.

08 type of phone / carrier / phone number

- this line is only displayed if the incoming call is from a contact in the users address book

- type of phone is picked up from the phone field tag. refer to wireframes 'add contact' & 'phone number field tag'. this is a mandatory field and will always exist.

- carrier is picked up from the company name field in wireframe 'add contact'. this is not a mandatory field and therefore might not exist.

- phone number field is picked up from the phone field detailed in wireframe 'add contact'. this is a mandatory field and will always exist.

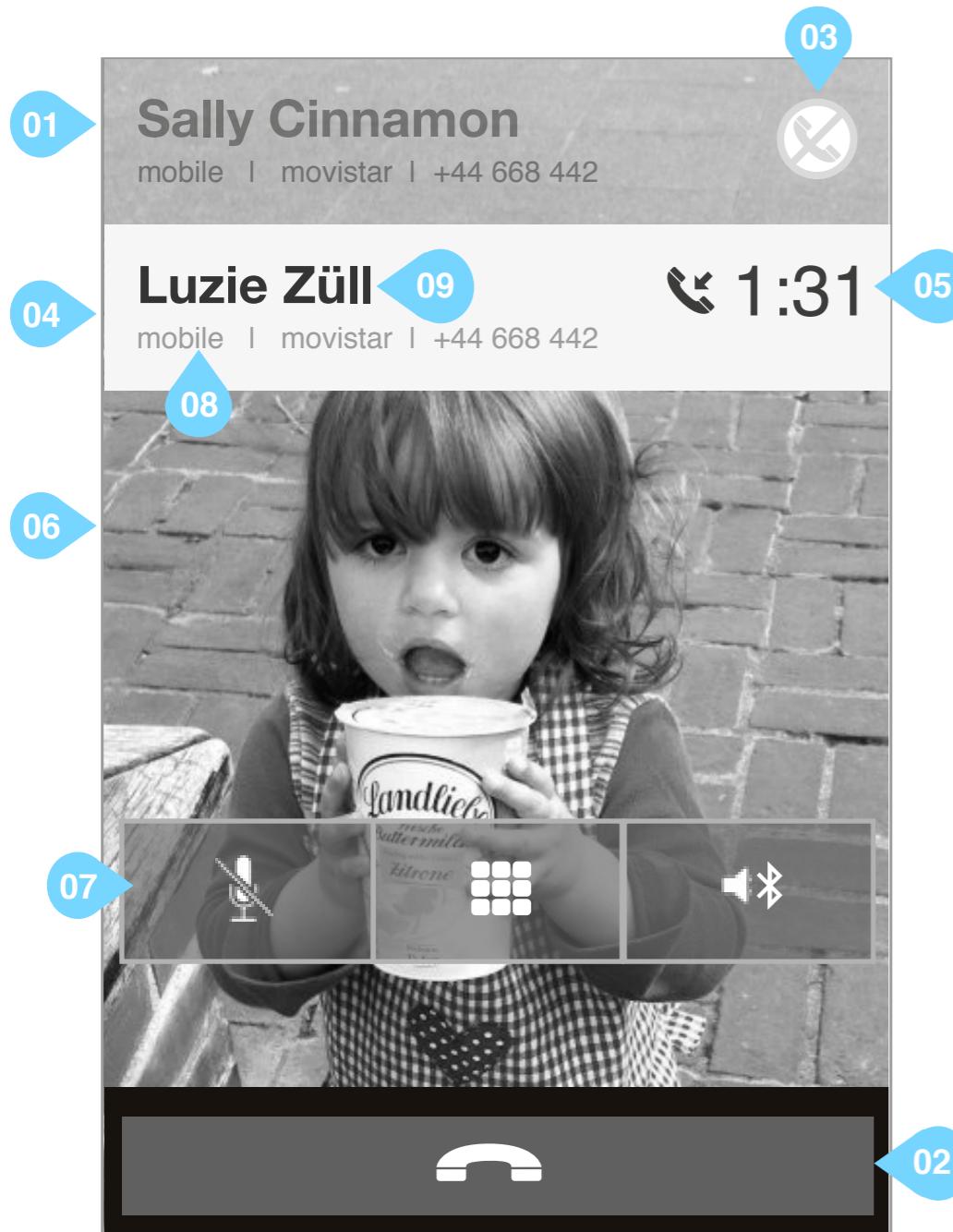
09 name of caller

- if the incoming call is from a contact in the users address book display the contacts name here

- if the incoming call is from someone not in the users address book display the phone number that the incoming call is coming from here. If the phone number is withheld or unobtainable write 'unknown'.

# HTML 5 Project : Dialer and Contacts

## Call waiting: second call active



Wireframe illustrating the call interface when the user is handling two calls simultaneously and the second call is active

n.b. (US \*) is a reference for the appropriate user story detailed by Daniel Coloma in his email of 19/07/2012.

### annotation

#### 01 first contact module in paused state (US5)

- contains the call information for the first contact the end user was talking to before the second contact called upon tap

- pauses conversation with second contact

- activates conversation with first contact

- refer to wirefame: 'first call active'

#### 02 end call button

upon tap

- current active call is ended.

- interface is returned to original state. refer to wireframe: 'call'

#### 03 call on hold symbol

- indicates that the contact is currently on pause

#### 04 second contact module in active state

- contains the call information for the second contact

#### 05 duration of call and direction of call icon

#### 06 image associated to the second contact in the users address book

#### 07 CTA's for mute / incall dialer / loudspeaker

- for functional specification refer to wireframe: 'call'

#### 08 type of phone / carrier / phone number

- for specification refer to wireframe: 'Notification of second incomming call'

#### 09 name of caller

- for specification refer to wireframe: 'Notification of second incomming call'

# HTML 5 Project : Dialer and Contacts

## Call waiting: first call active



Wireframe illustrating the call interface when the user is handling two calls simultaneously and the first call is active (**US5**)

n.b. (**US \***) is a reference for the appropriate user story detailed by Daniel Coloma in his email of 19/07/2012.

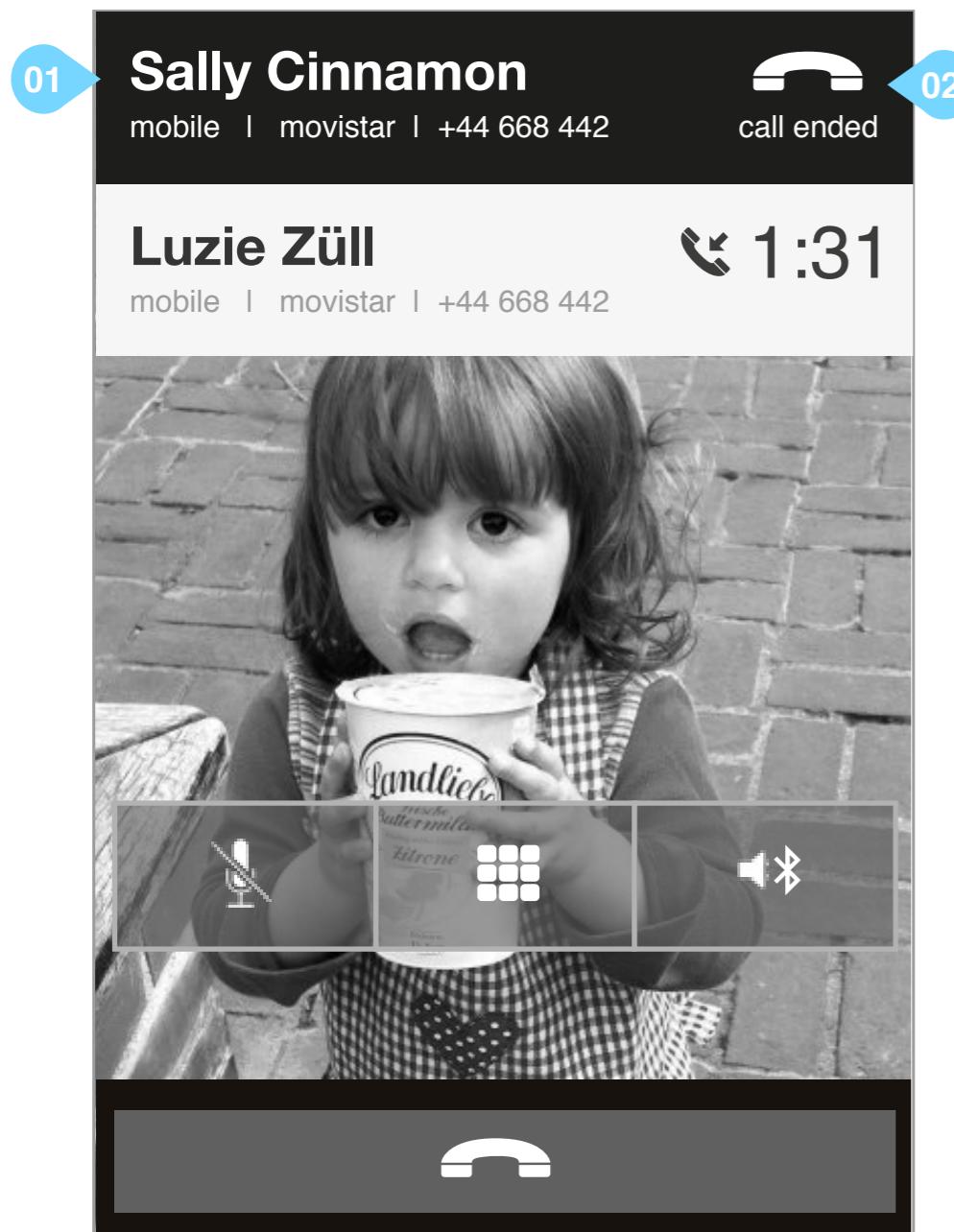
### annotation

01 image associated to the first contact in the users address book

For specification of all other functions refer to wireframe: 'Second call active'

# HTML 5 Project : Dialer and Contacts

## Call waiting: call ended by contact



Wireframe detailing transitional presentation of a contact module when the contact ended the call whilst on hold (US5)  
n.b. (US \*) is a reference for the appropriate user story detailed by Daniel Coloma in his email of 19/07/2012.

### annotation

#### 01 first contact module in call ended state (US5)

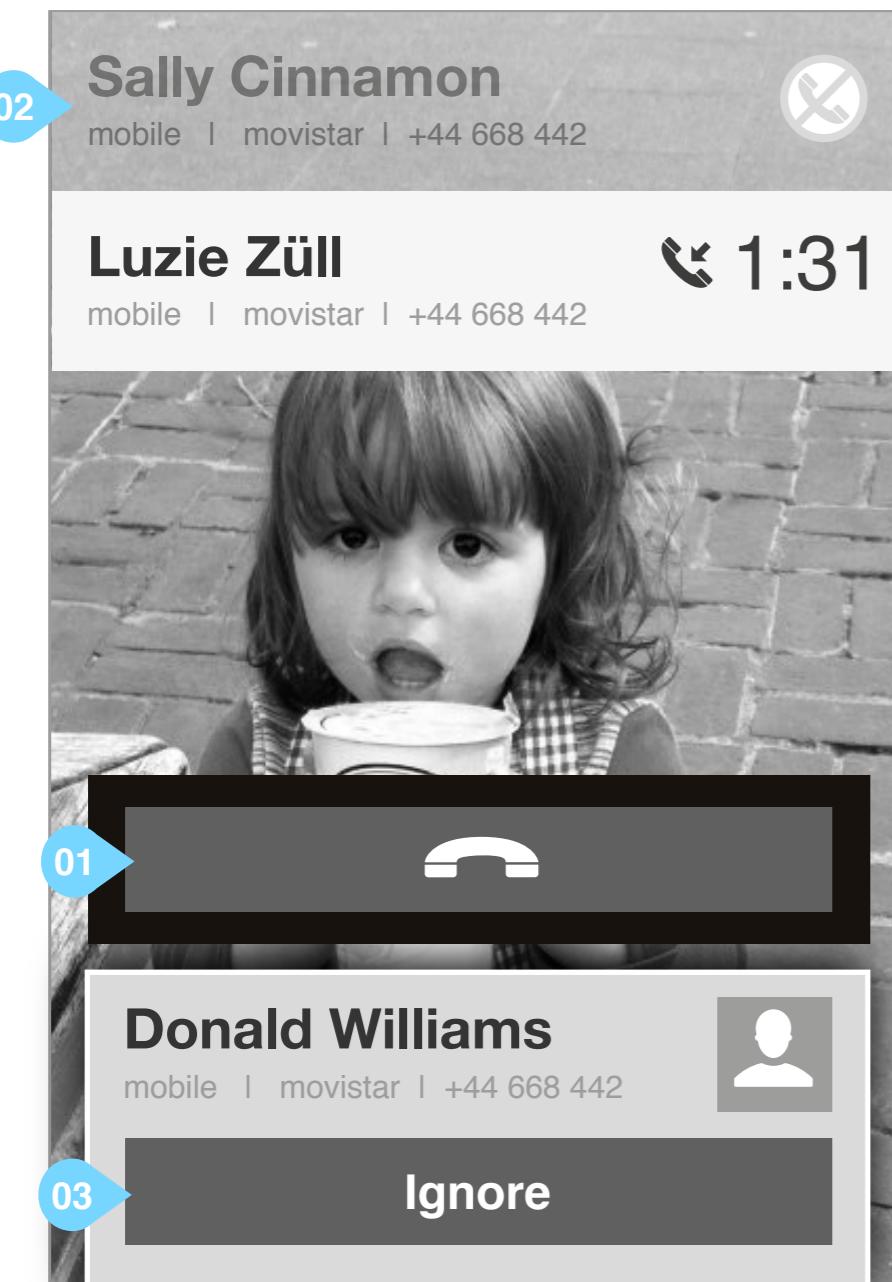
- when a contact on hold ends a call their respective module becomes highlighted and acquires a call ended icon (02)
- the module holds this presentation for 5 seconds before returning the user to the screen presentation illustrated in wireframe: 'call'

### note

If the active call is finished by the contact the on hold is automatically resumed.

# HTML 5 Project : Dialer and Contacts

## Call waiting: notification of third incomming call



Wireframe illustrating notification of incoming call whilst the user is already on a call and has another call on hold (US5)

n.b. (US \*) is a reference for the appropriate user story detailed by Daniel Coloma in his email of 19/07/2012.

### annotation

01 end current call (i have deviated from US5 here to tighten up the interaction, let me know if you dont agree with what i have done)  
upon tap

- ends current call and accepts new incoming call
- new incoming call becomes active
- call on hold, remains on hold
- interface is presented as wireframe: 'Second call active'

02 call on hold

upon tap

- call on hold becomes active and can be ended
- current active call goes on hold

03 Ignore button

upon tap

- incoming call is rejected.
- if the user has activated voice mail the incoming call is redirected to voice mail.
- if the user has not activated voice mail the incoming caller hears the "busy tone"
- incoming call module slides off the bottom of the screen
- interface is returned to original state. refer to wireframe: 'Second call active'

# Thank you

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