

Final Feature Design Challenge

iOS Phone App

Camera to Text Feature

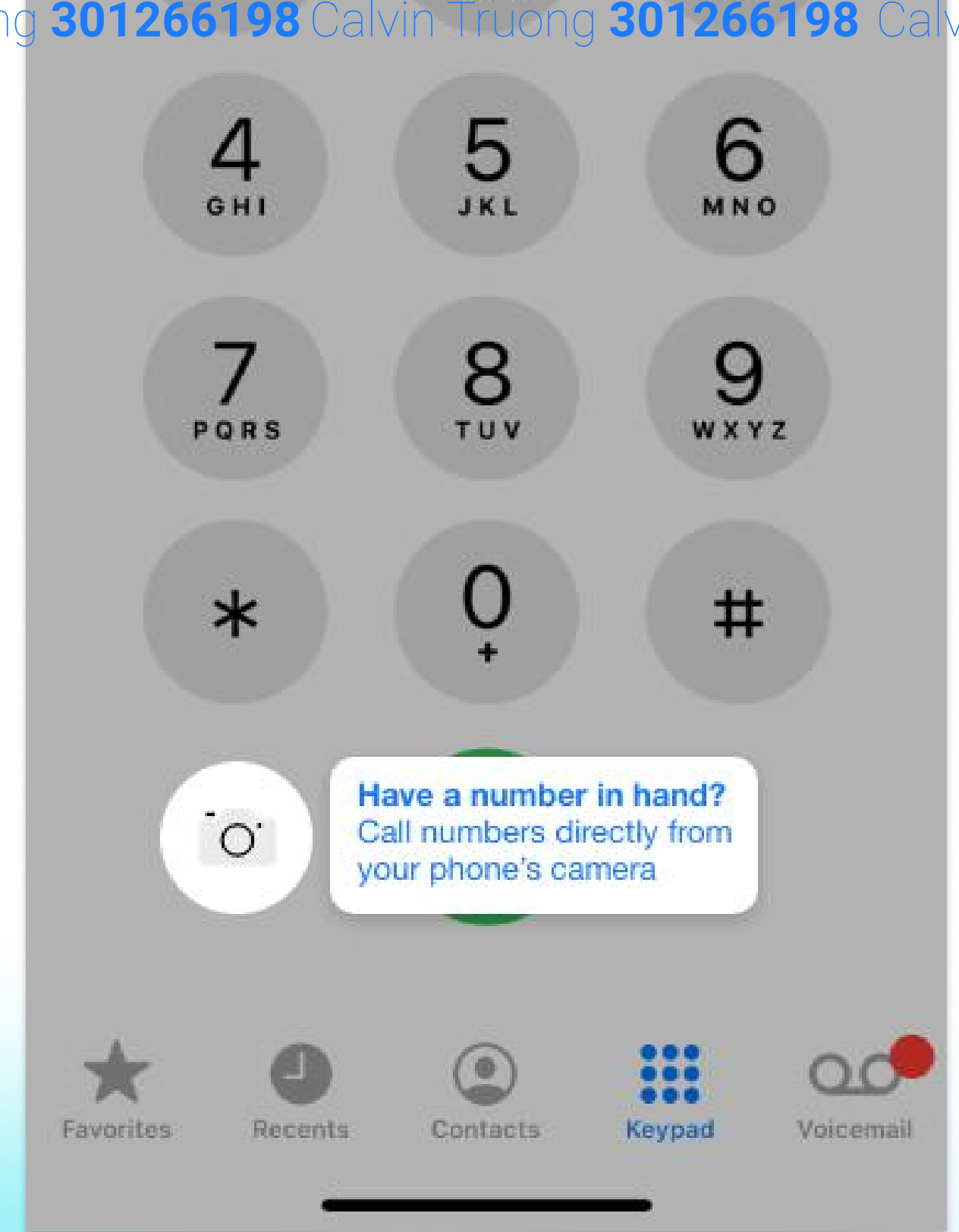


IAT 334 Fall 2019

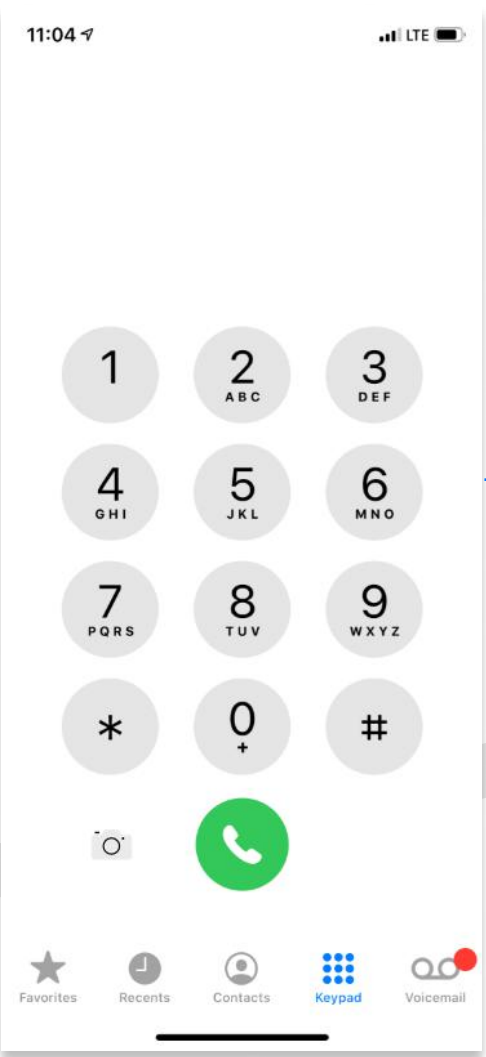
Premise

Camera to Text allows the user's freedom to capture phone numbers and start calls from their cameras.

It can make for more efficient entry while improving the overall experience by setting aside manual entry when it may be less convenient.



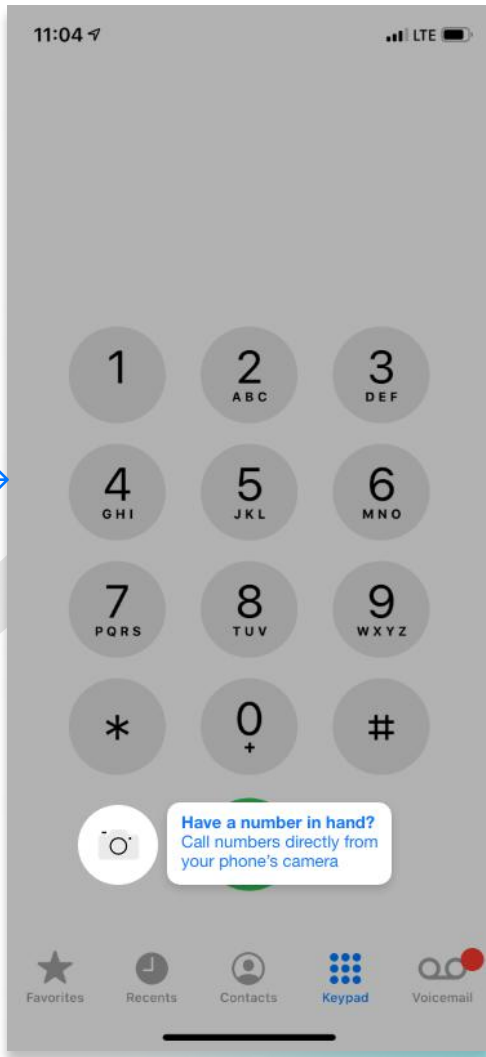
WireFlow/MockUp/User Journey #1



Interaction #1

Trigger
Open the updated app for the first time

Response
Tool tip for the new feature opens



Interaction #2

Trigger
Press the tool tip

(Press anywhere else to close the tool tip and cancel the interaction)

Response
Enter the camera interface



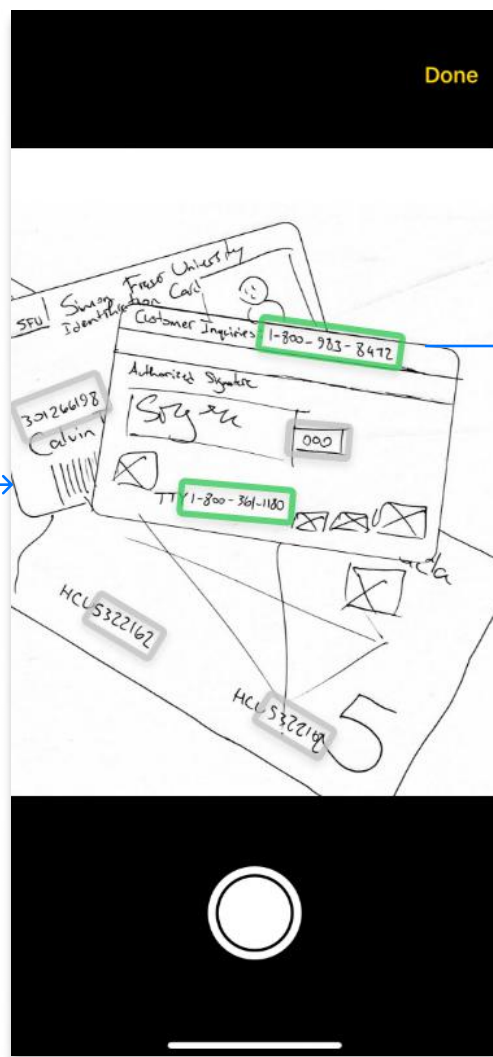
Interaction #3

Trigger
The user waits for a brief moment as the phone application analyzes live camera images for phone numbers

Response
Valid and invalid phone numbers are highlighted as options with green and grey respectively



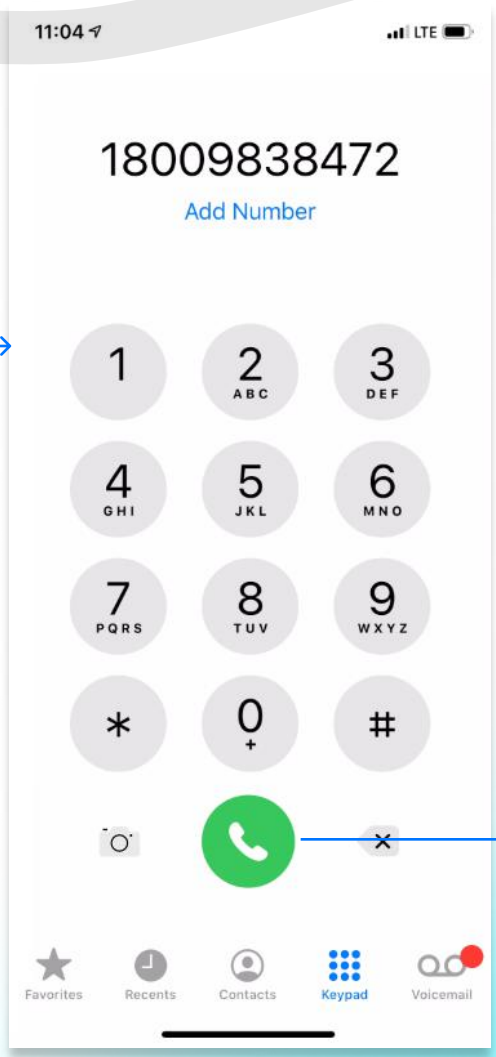
WireFlow/Mockup & User Journey 1



Interaction #4

Trigger
Select one of the valid phone numbers

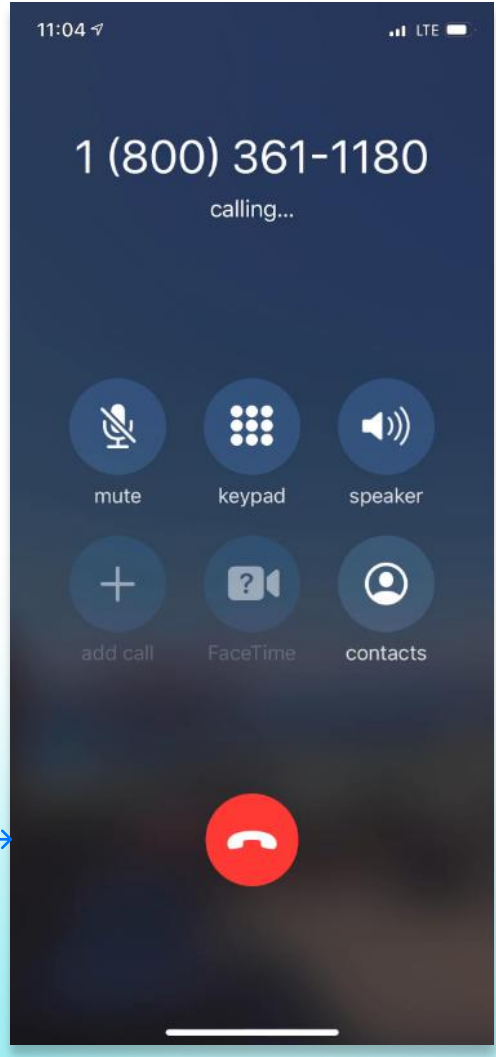
Response
The user is taken back to the phone number entry page with the number directly inputted into the text field v



Interaction #5

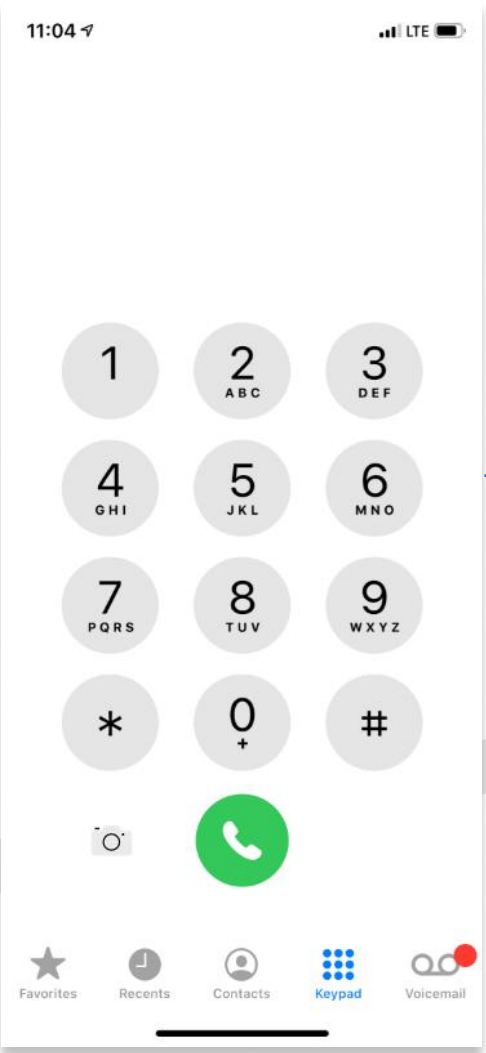
Trigger
Press the call button

Response
The call is started with the number that has been just inputted from the camera



End

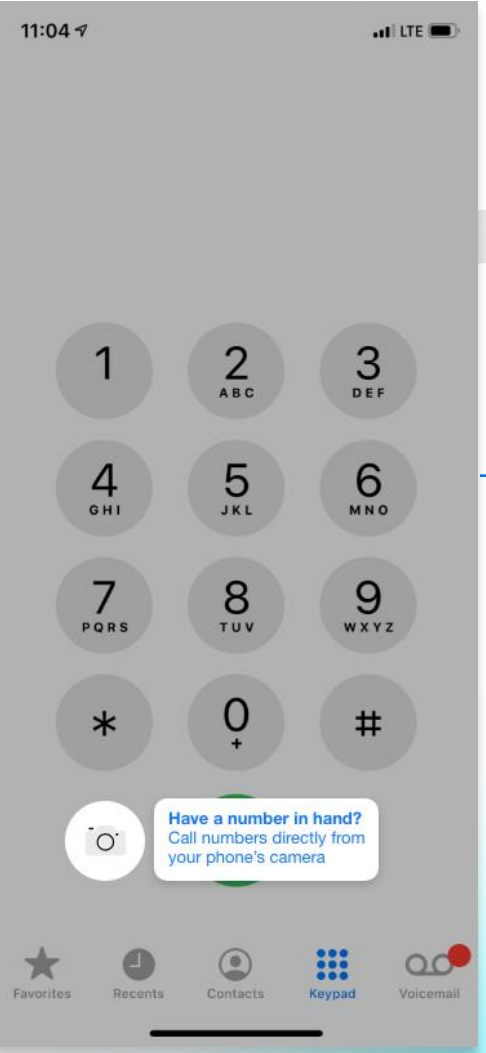
WireFlow/MockUp/User Journey #2



Interaction #1

Trigger
Open the updated app for the first time

Response
Tool tip for the new feature opens



Interaction #2

Trigger
Press the tool tip
(Press anywhere else to close the tool tip and cancel the interaction)

Response
Enter the camera interface



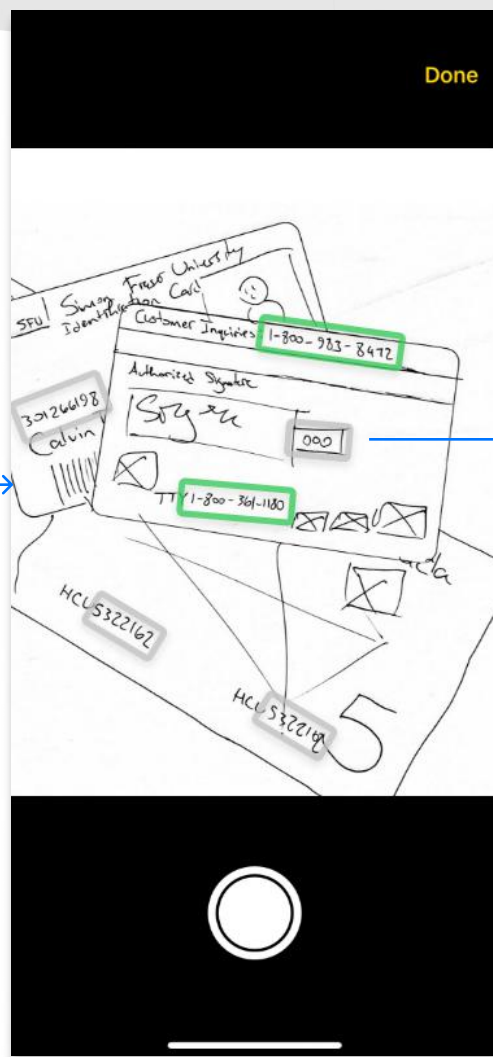
Interaction #3

Trigger
The user waits for a brief moment as the phone application analyzes live camera images for phone numbers

Response
Valid and invalid phone numbers are highlighted as options with green and grey respectively



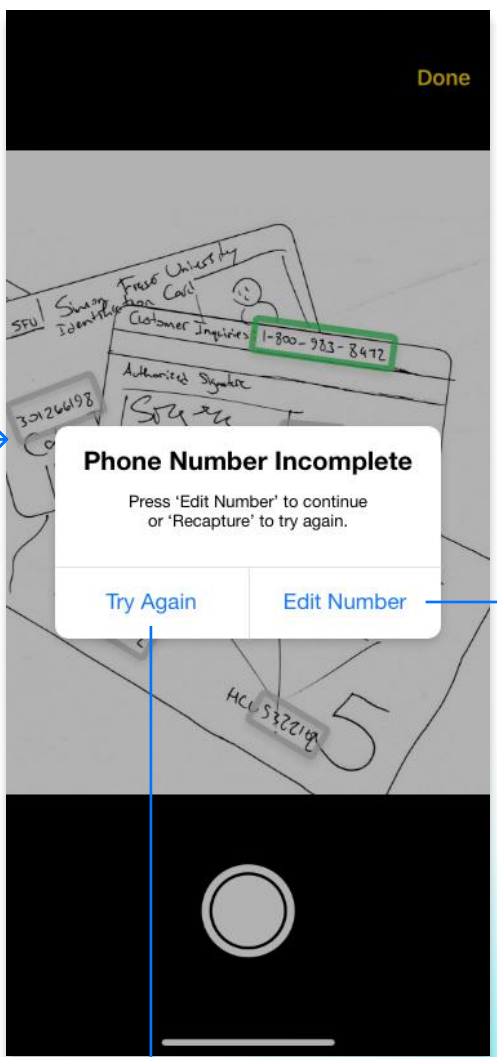
WireFlow/Mockup & User Journey 2



Interaction #4

Trigger
Select a number that has been identified as incomplete

Response
An error message appears, explains the problem and gives two likely options for how to proceed

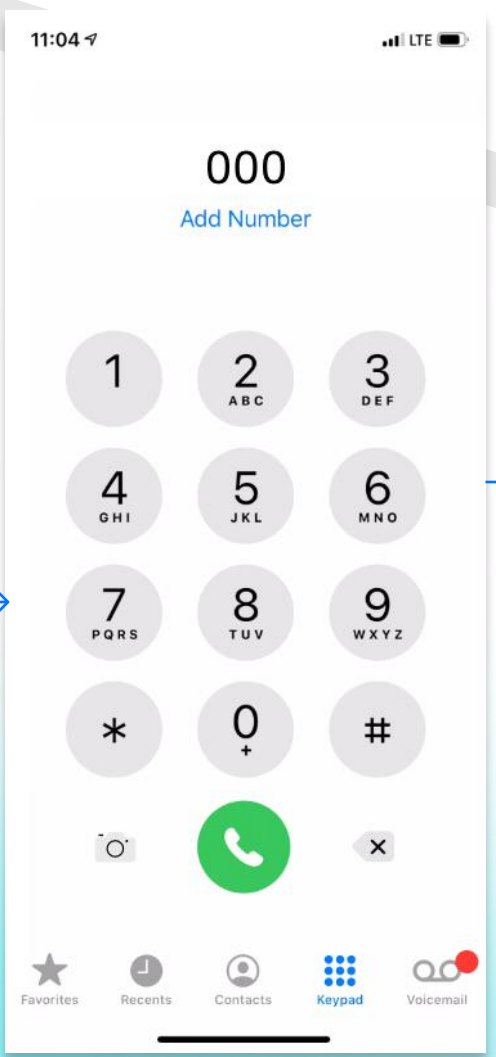


Interaction #5

Trigger
Select a number that has been identified as incomplete

Response
An error message appears, explains the problem and gives two likely options for how to proceed

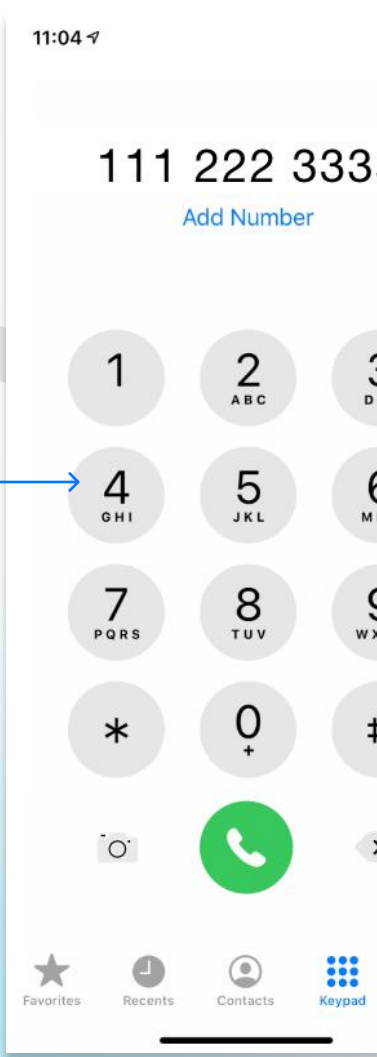
i. retry
ii. use the incomplete number anyway



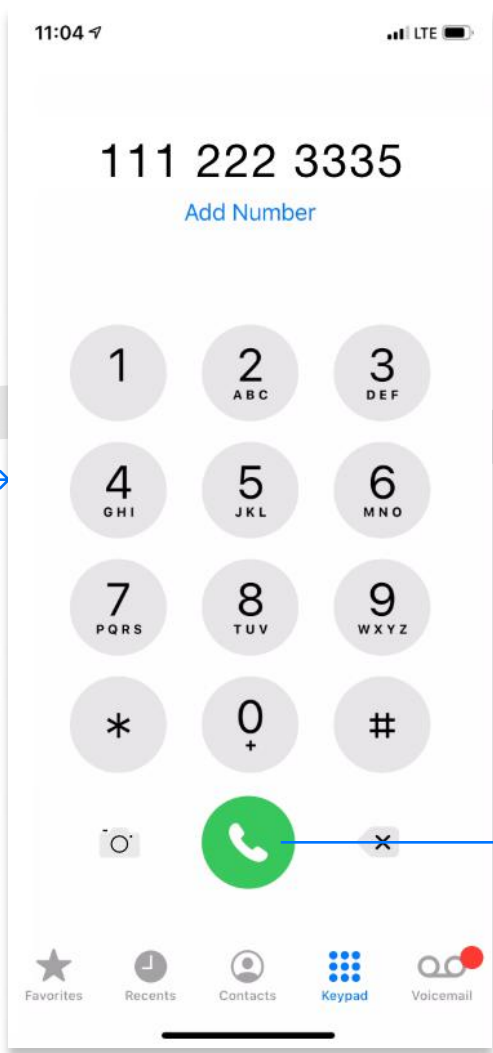
Interaction #6

Trigger
The user selects the data and amends it appropriately using the regular phone interface

Response
The data entered and delete appears as inputted on the screen



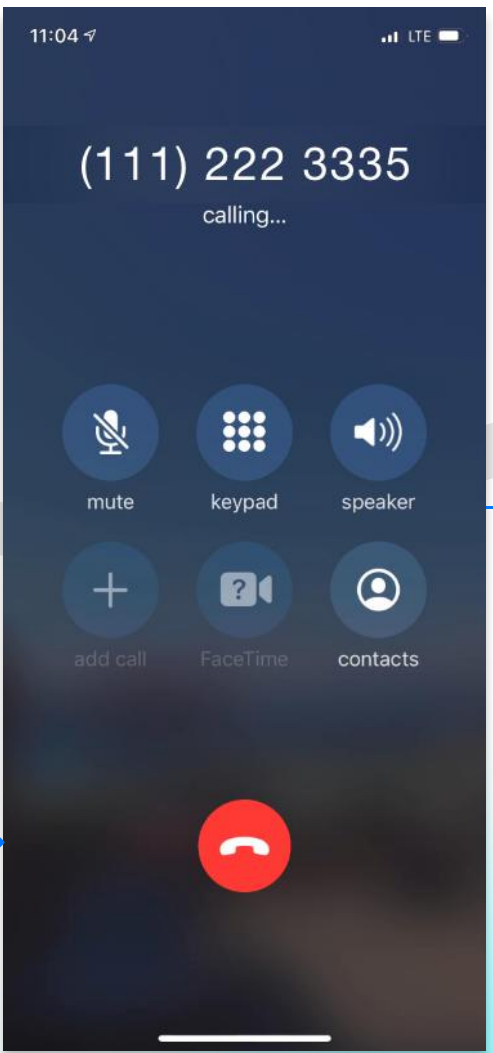
WireFlow/Mockup & User Journey 2



Interaction #7

Trigger
The user presses the green phone button to call

Response
The cal starts using the inputed number

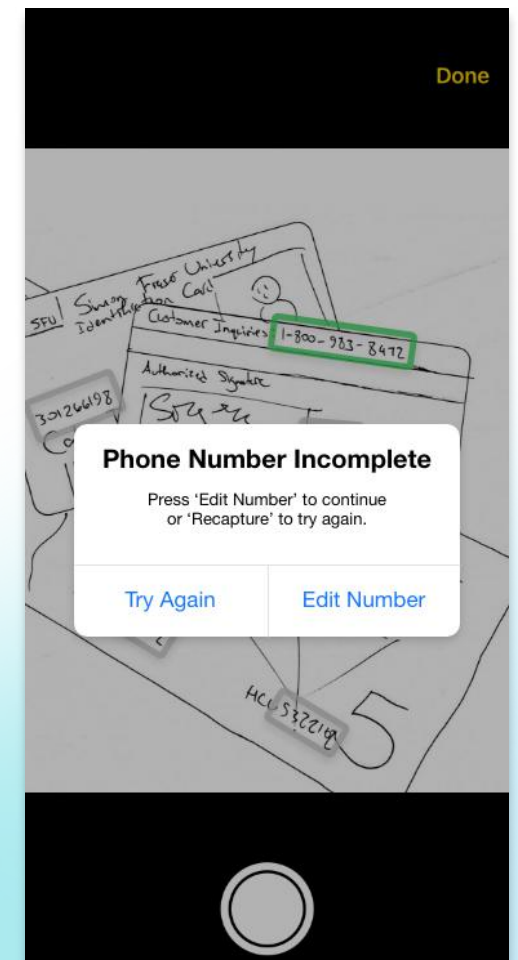
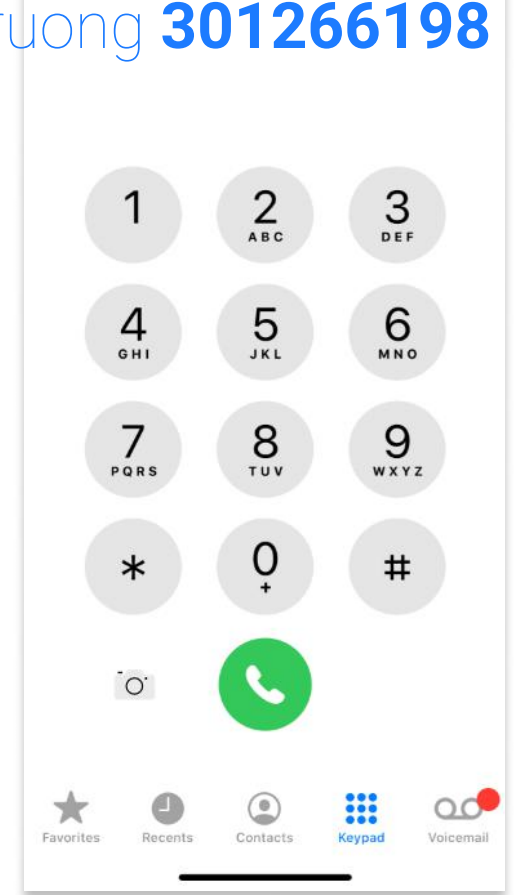
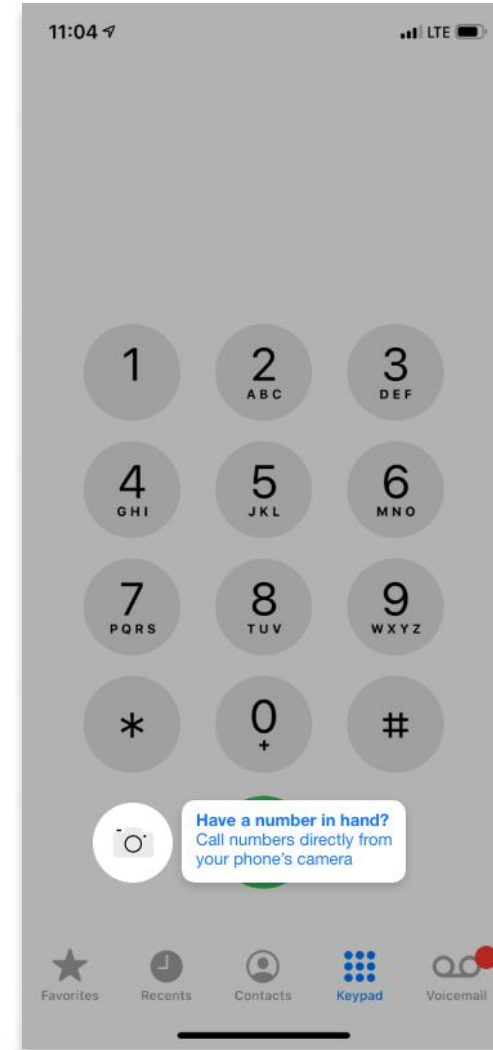


End

Design Rationale

Error messages are generally omitted to ensure that the main need that this feature addresses is met: efficiency.

This is done by keeping the flow uncluttered with error messages other than one cautionary message followed by quick and logical options for how to proceed with an incomplete number.



Interactive Prototype

<https://xd.adobe.com/view/f55a1f97-fcb6-43f7-7cdd-892c1bc0536a-836b/>

Citations

Isometric iPhone

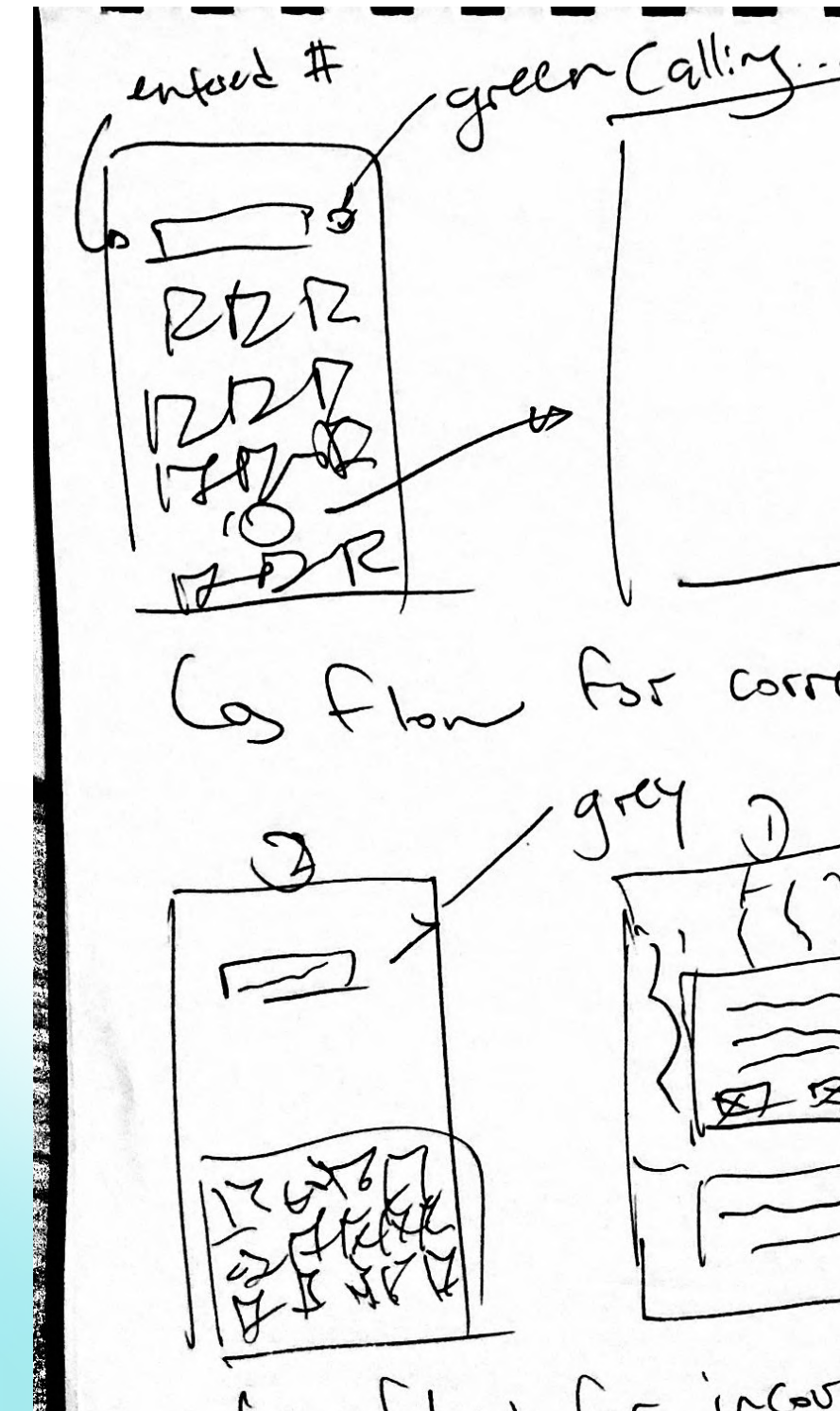
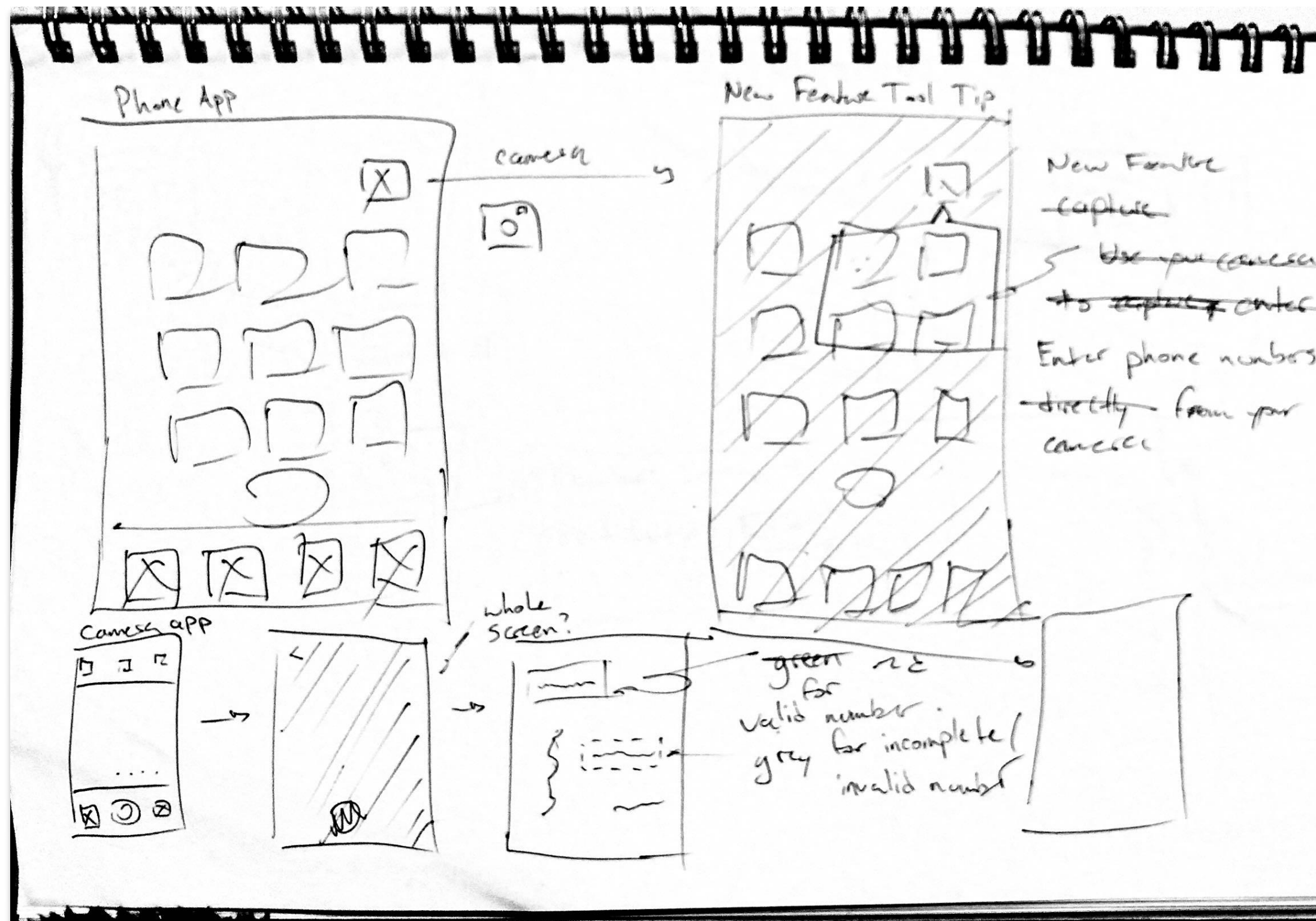
Camera Logo

Links

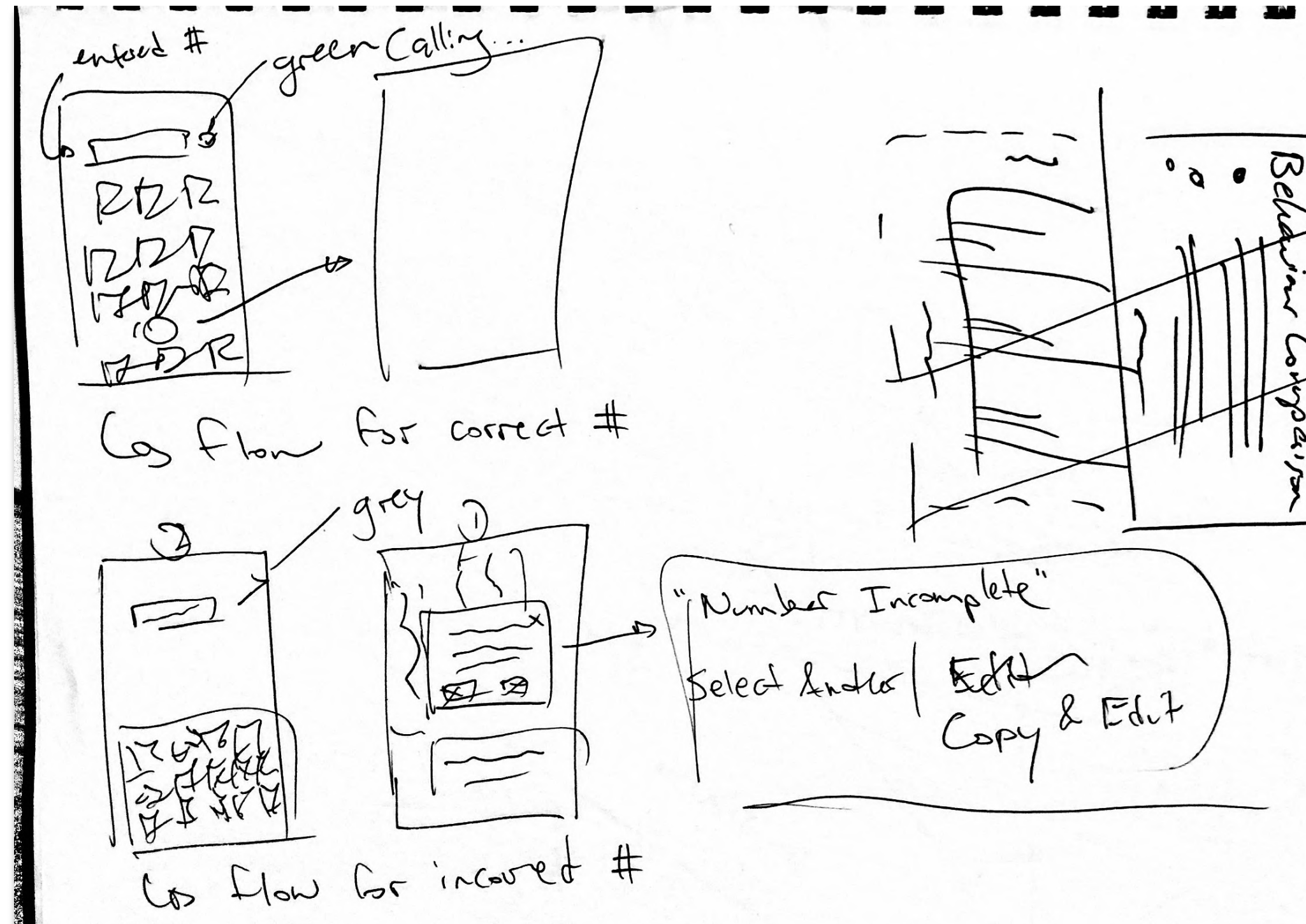
<https://www.pinterest.dk/pin/353954851959110396/>

Camera Logo from iOS camera app itself (used photoshop to create negatives and layers)

Appendix 1.1 Sketch 1



Appendix 1.2 Sketch 2



Appendix 1.3 Sketch 3

