



AROMA

Hailey Thorp | Experimental New Media Design | Process Deck

TABLE OF CONTENTS

Project Introduction	03
Project Statement	04
Research 05 - 09	
Research Summary	06
Research Examples	07-09
Process 10 - 19	
Concept Sketches	11
App Sketches	12-13
Moodboard	14
Info Architecture	15
Wireframes	16-18
The Necklace 19-21	
Final Comps 22-24	



PROJECT INTRODUCTION

While researching inspiration for my final Experimental New Media project, I came across an amazing olfactory museum exhibit in Madrid, exploring the history of perfume. I started to think about all how we use our eyes, ears, and mouths to interact with one another, but we have not yet come up with a way to interact using our noses. I decided to explore this idea by creating an olfactory interface.

PROJECT STATEMENT

Although we have not yet perfected the technology needed to interact with each other using scent, our sense of smell is an incredibly powerful and important resource. With Aroma, users will be able to interact with each other in a way they never have before, using a phone app and a necklace that releases smell when prompted by the app.

RESEARCH

RESEARCH SUMMARY

Scientists and engineers have created the technology to reproduce certain smells at the touch of a button. For the most part, the choices of smells are fairly limited and the devices used to produce the smells are large and must be connected to a computer to use. Aroma is designed for a point in time when we have the technology not to create very small devices that are able to produce any smell but also to capture any smell.

META COOKIE



<http://phys.org/news/2011-04-virtual-reality-scent-human.html>

Meta cookie is a system designed by researchers at the University of Tokyo, which uses the combination of a virtual reality helmet combined with scent reproducing technology to trick the user into thinking they're eating a certain flavor of cookie. Plain cookies marked with an 'L' shape are tracked by the VR helmet and display to the user the image of a fancy cookie. The helmet also produces the smell of that cookie (since taste is so connected with smell.) Although they are still working on the technology, scientists have been able to reproduce five different cookies and shrink the size of the helmet considerably.

DIGITAL OLFACTION SOCIETY



<http://www.digital-olfaction.com/>

The Digital Olfaction Society is an international organization of scientists, engineers and more who are dedicated to producing technology that has the ability to capture and reproduce any smell, digitally. Many discoveries regarding digital olfaction, have been made by members of the society. Every year, they hold a conference where people present different products and discoveries they've made in the field of digital olfaction.



SENSORWAKE



<https://sensorwake.com/>

Sensorwake is an alarm clock that gradually emits a scent over the course of two minutes to wake the user up. If they don't wake up after five minutes, it plays a song like a regular alarm clock. The user has a choice of cartridges that release different smells according to their preference. The goal of Sensorwake is to provide a more peaceful experience for the user to wake up to.



PROCESS

CONCEPT SKETCHES

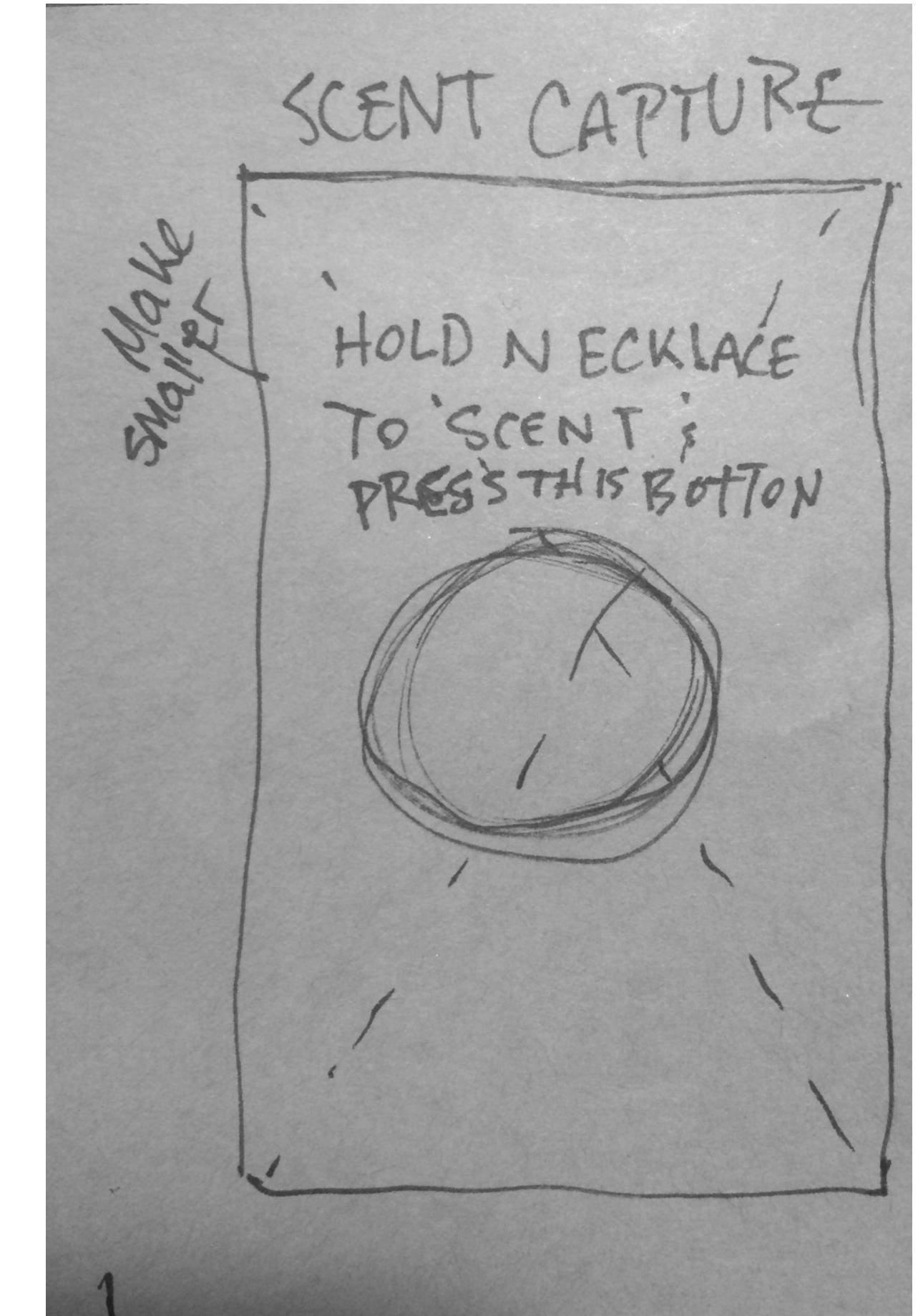
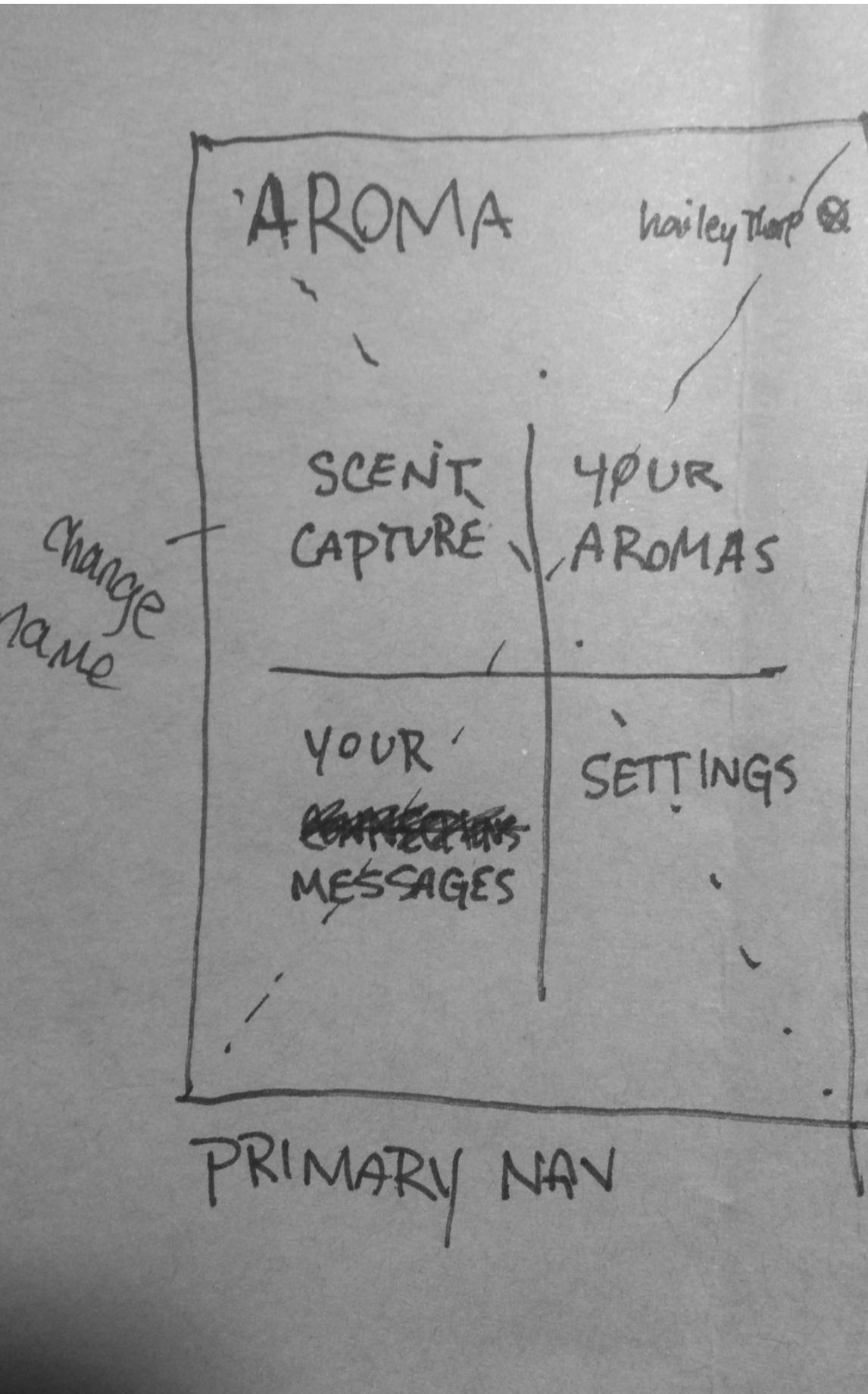
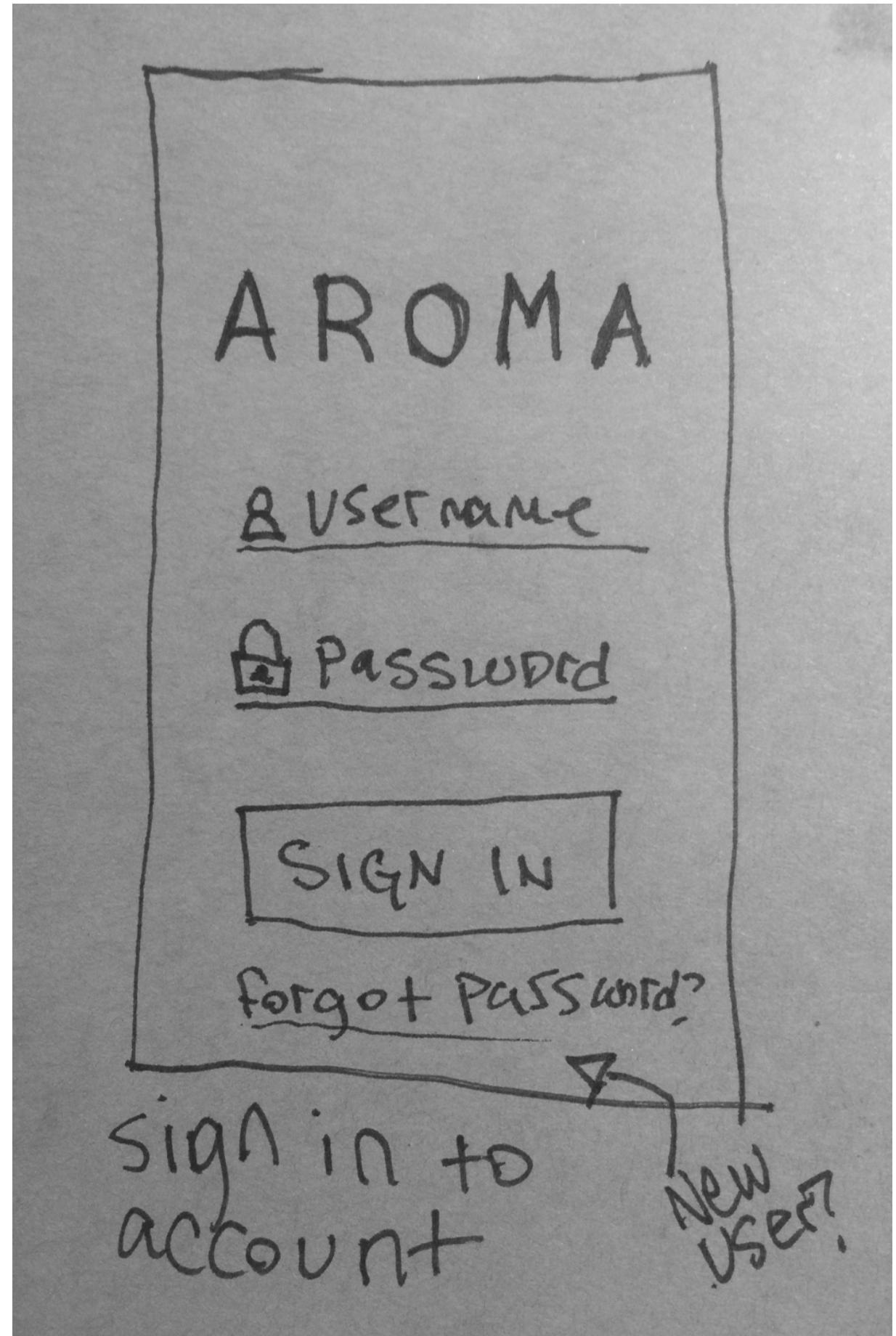


"User at work, can't text husband"

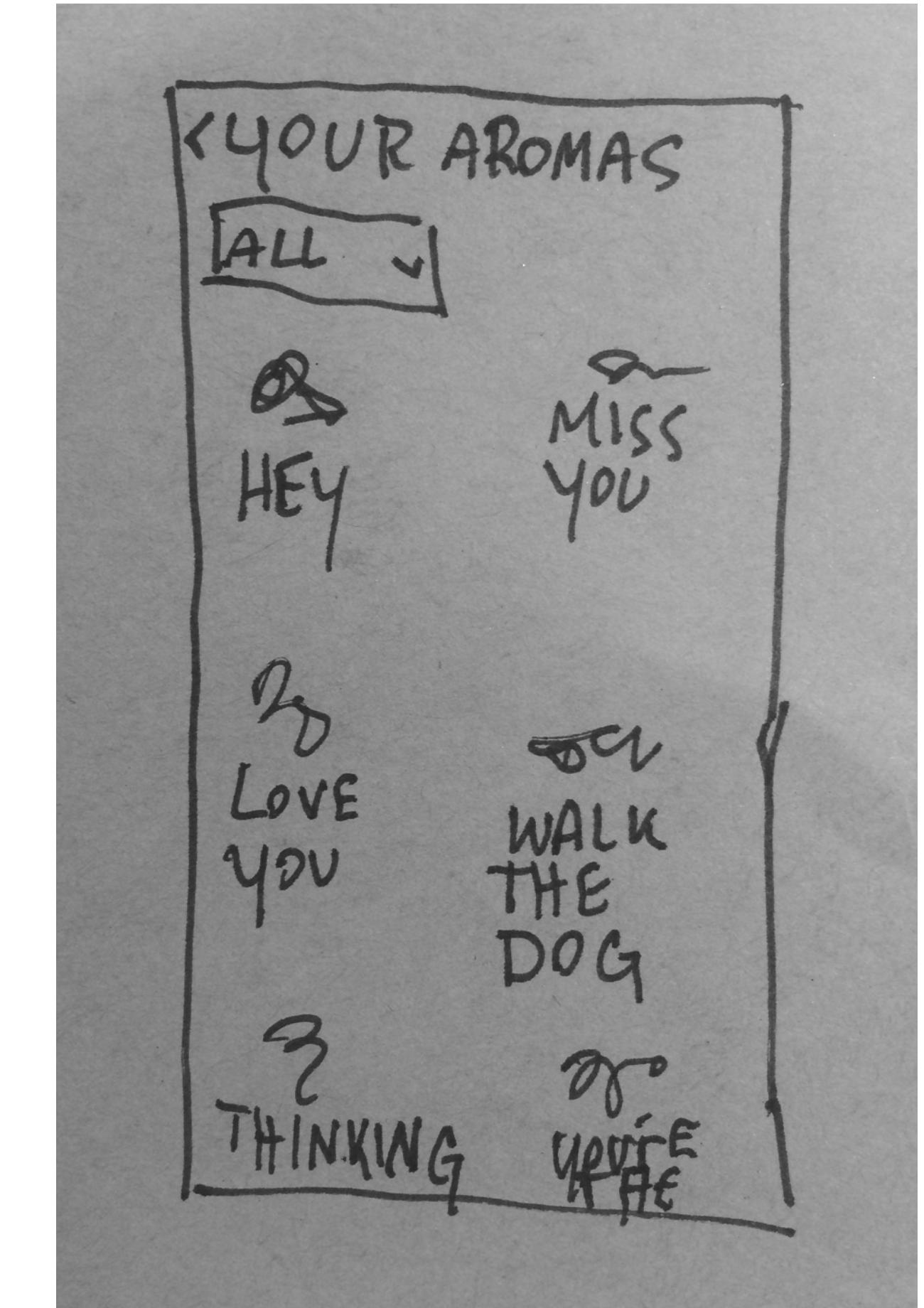
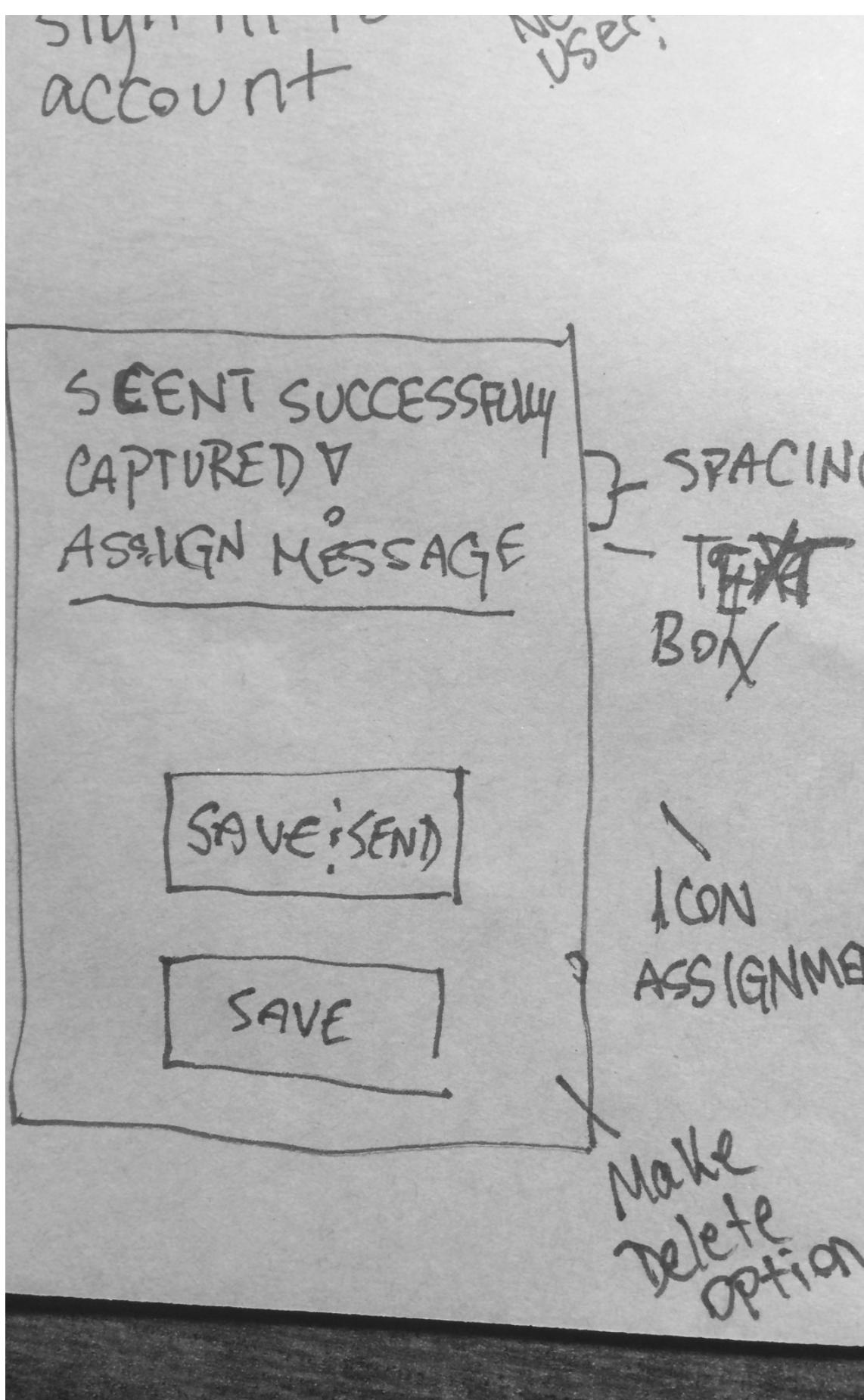
*"Husband sends scent to wife
through Aroma app"*

*"User smells scent from husband,
understands message"*

APP SKETCHES 1-3



APP SKETCHES 4-6

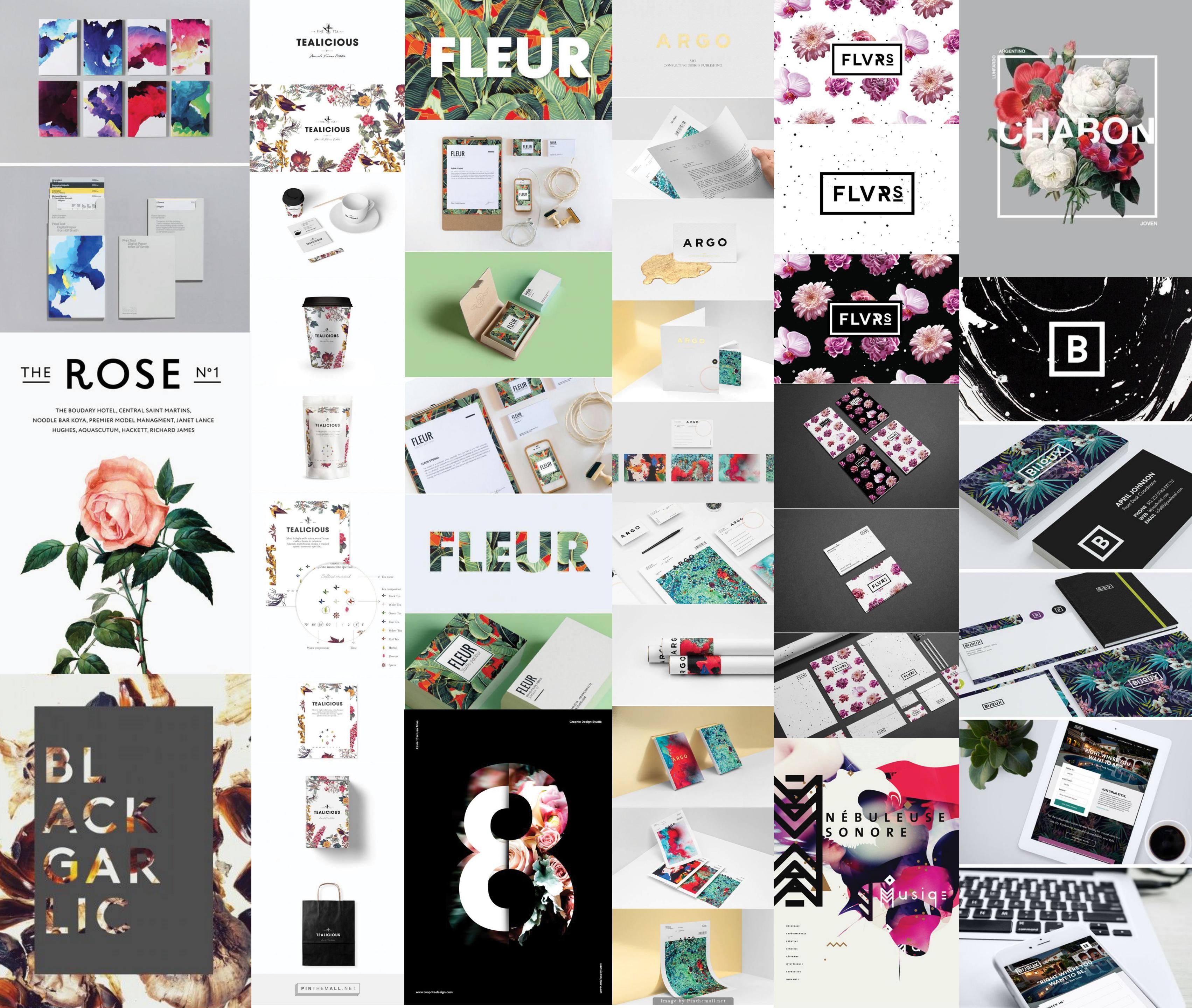
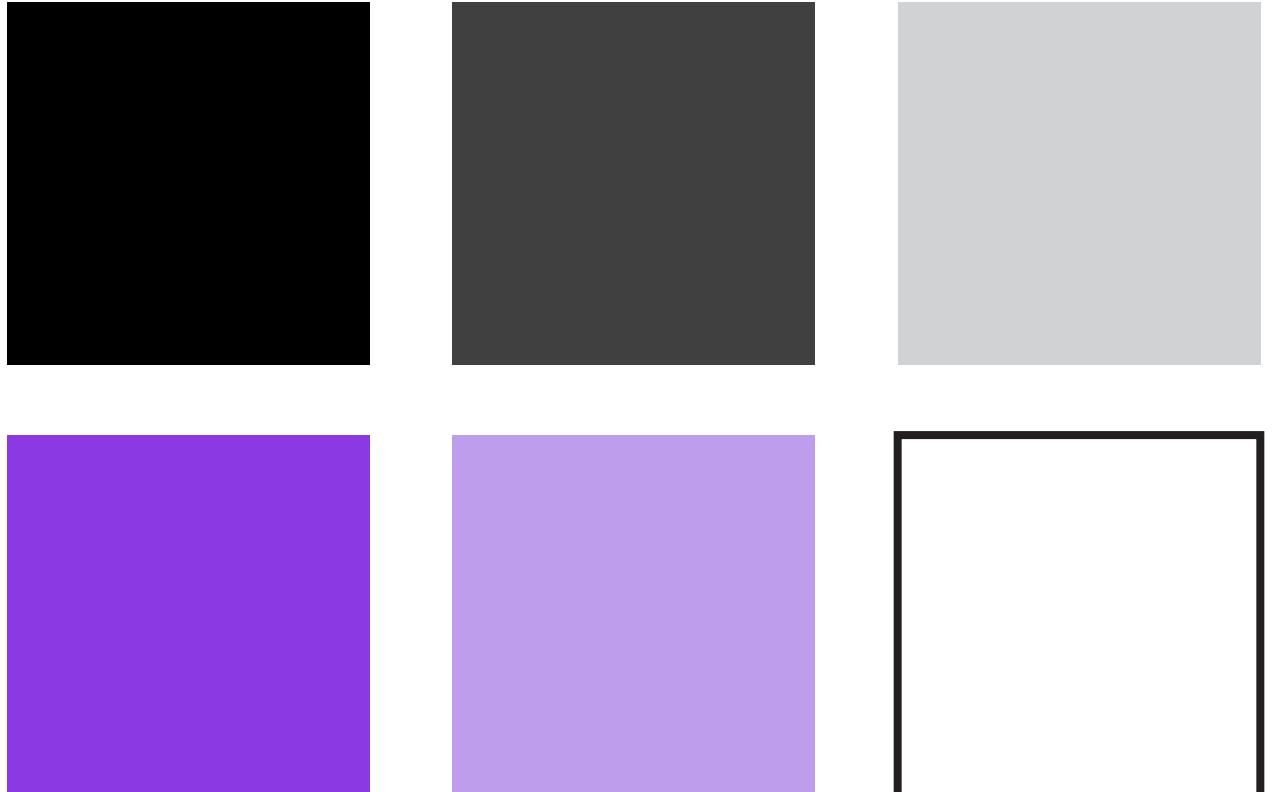


MOODBOARD

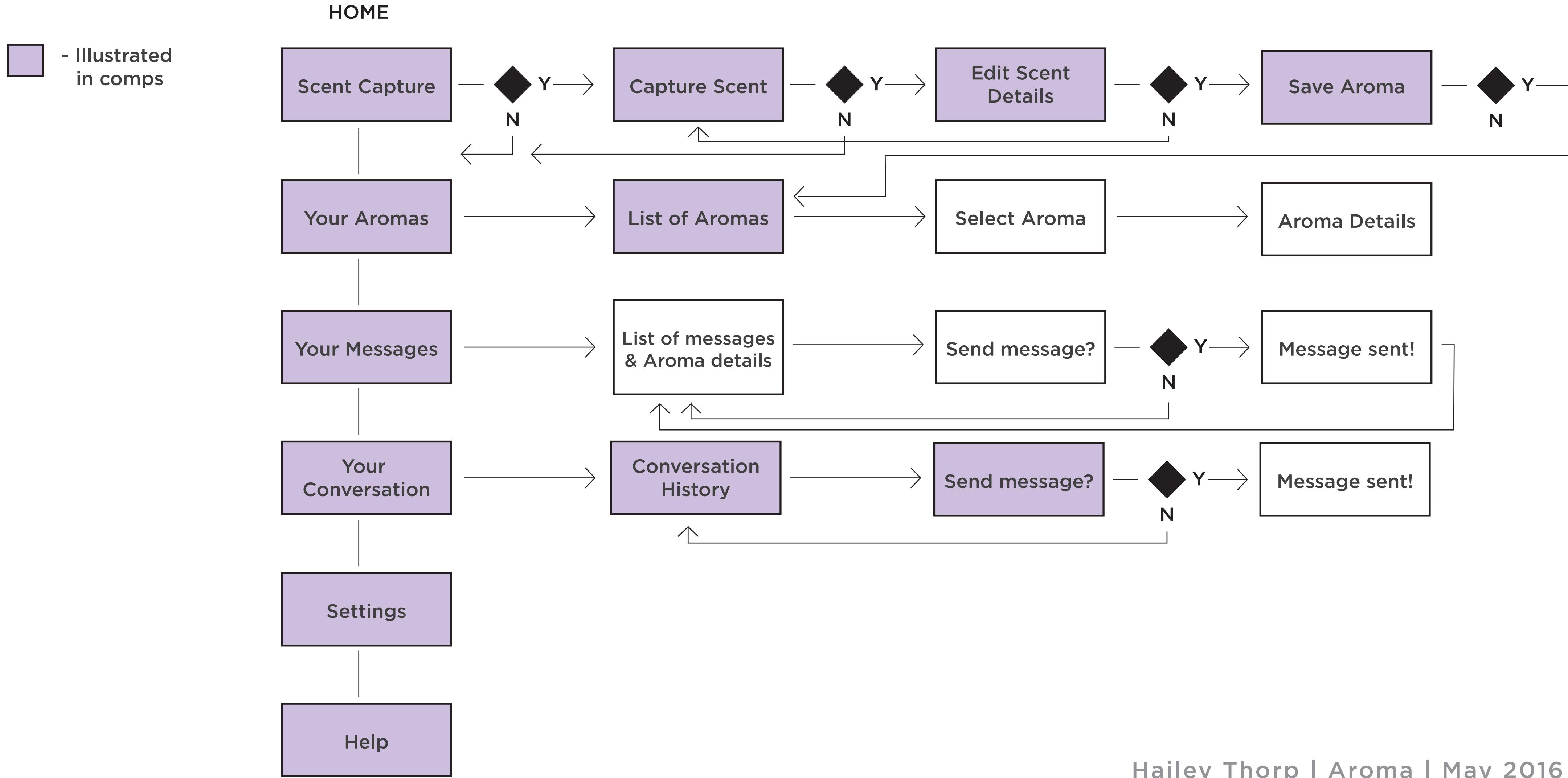
Aroma Adjectives

- Textural
- Sharp
- Modern
- Clean

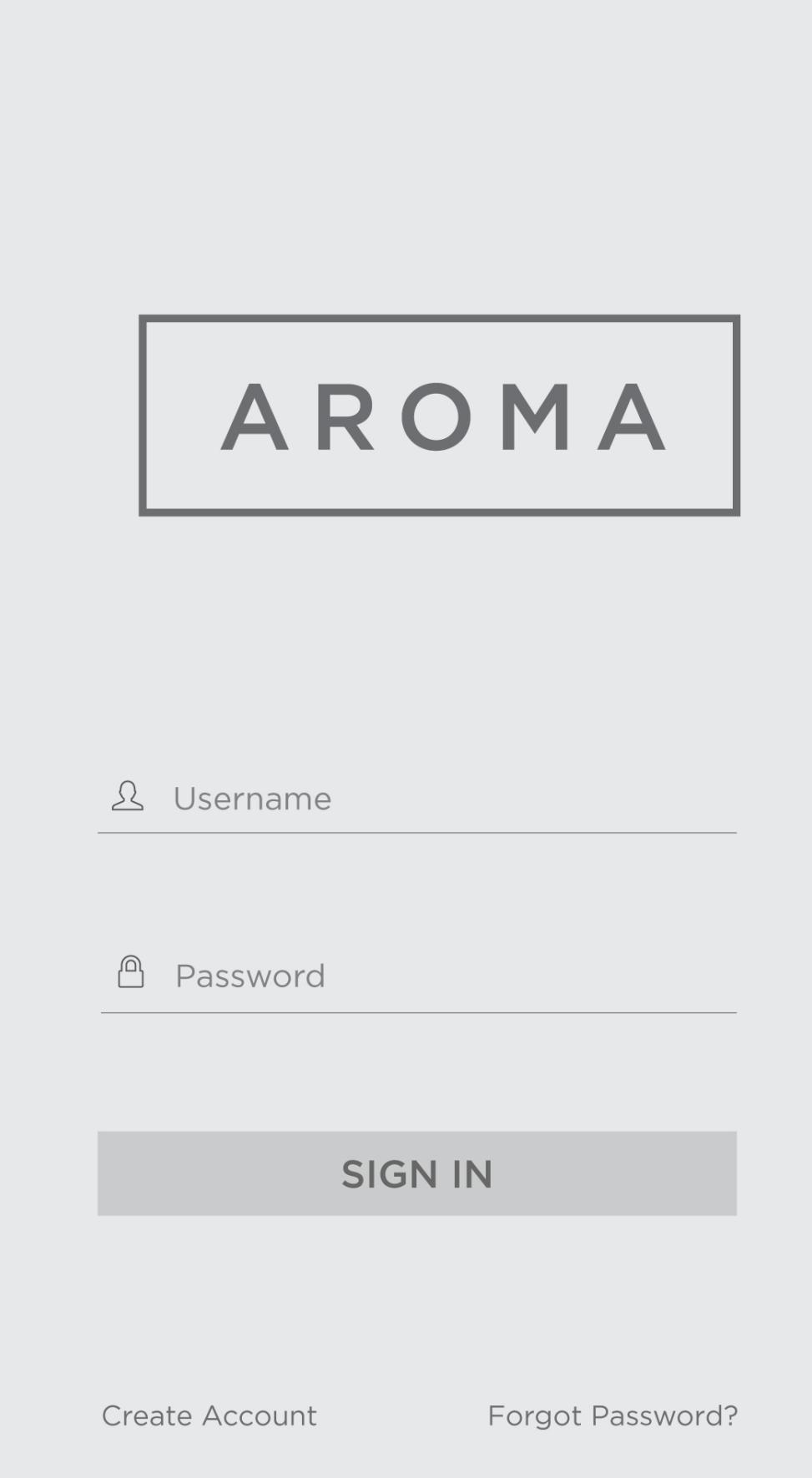
Colors



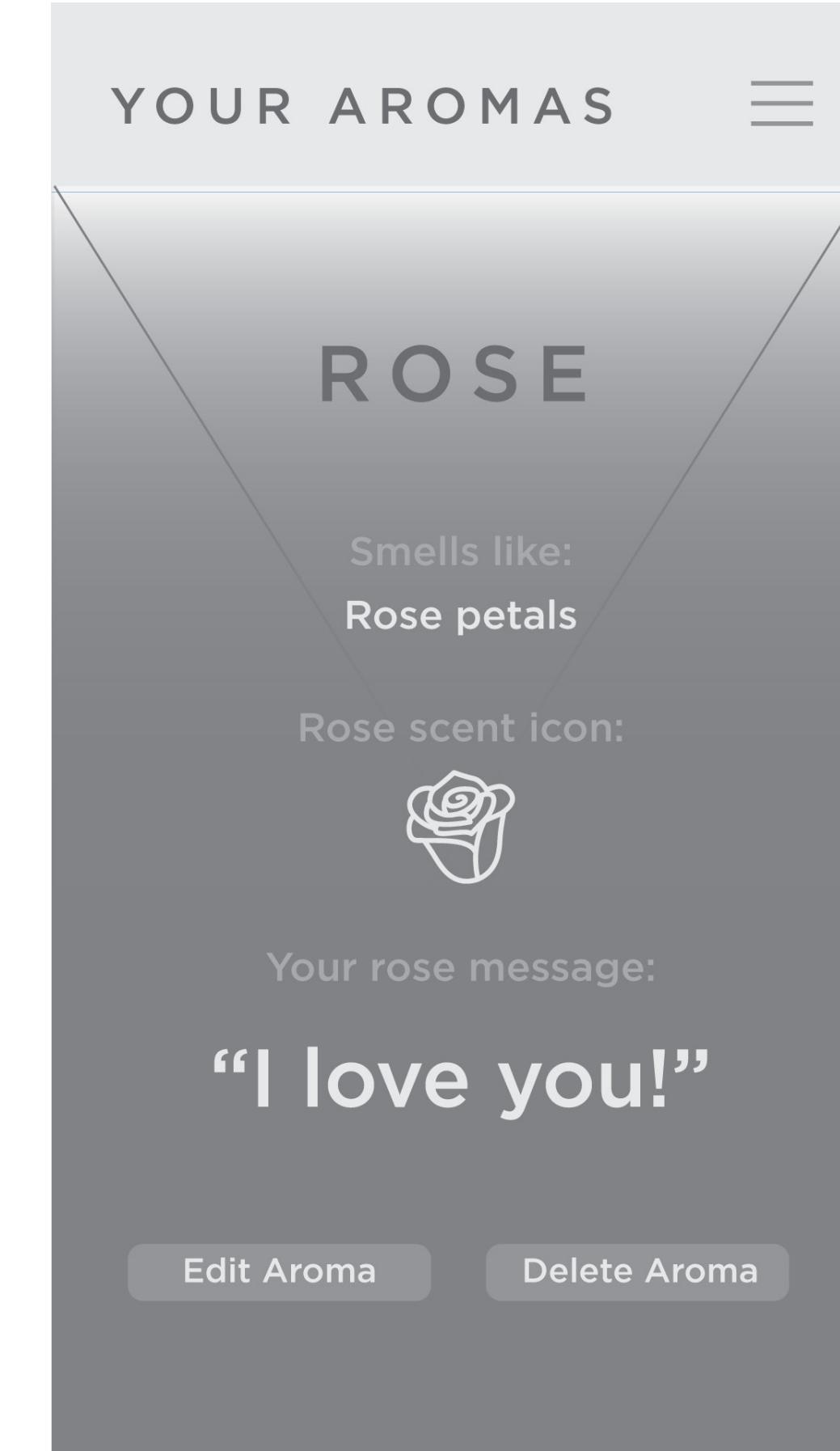
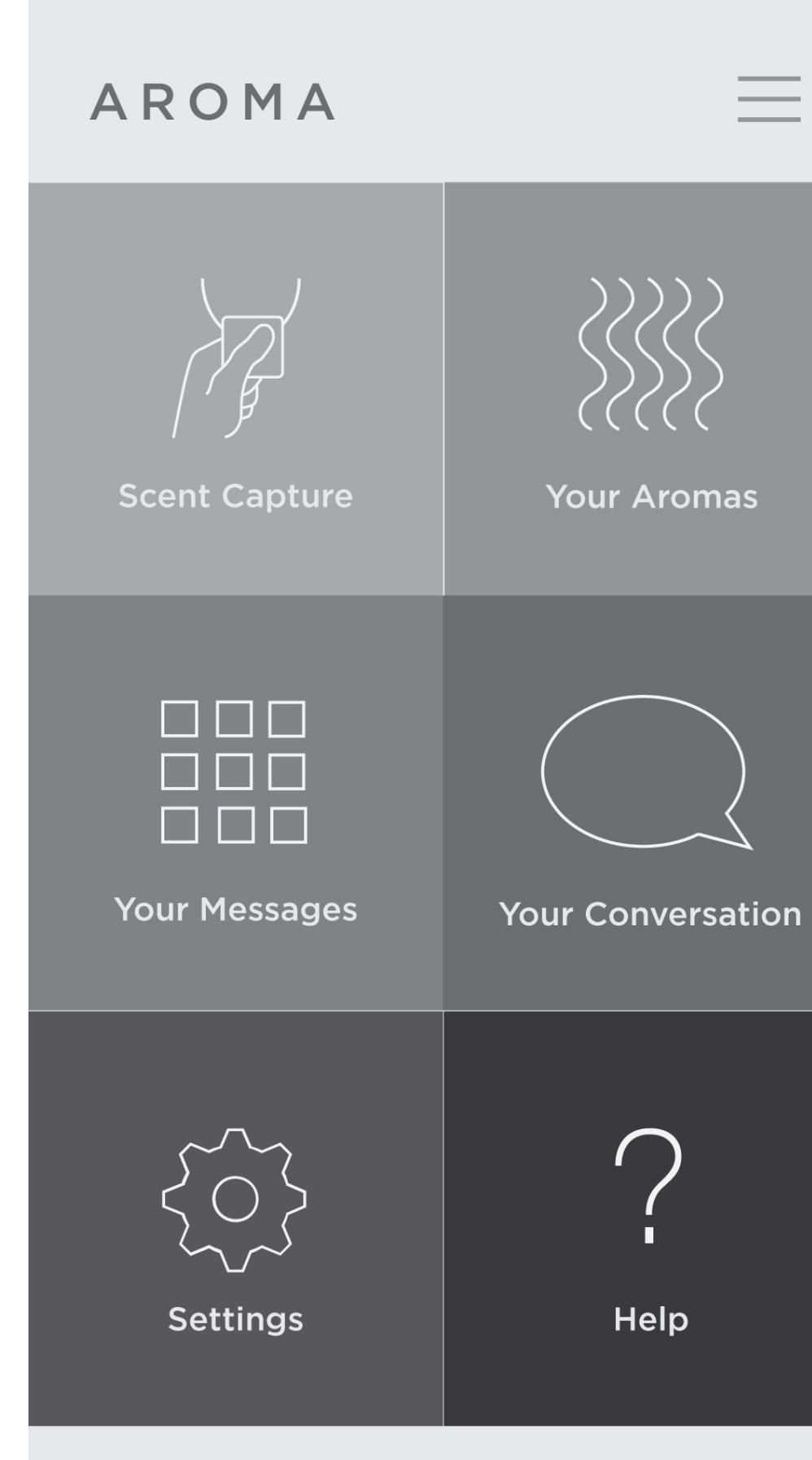
INFORMATION ARCHITECTURE



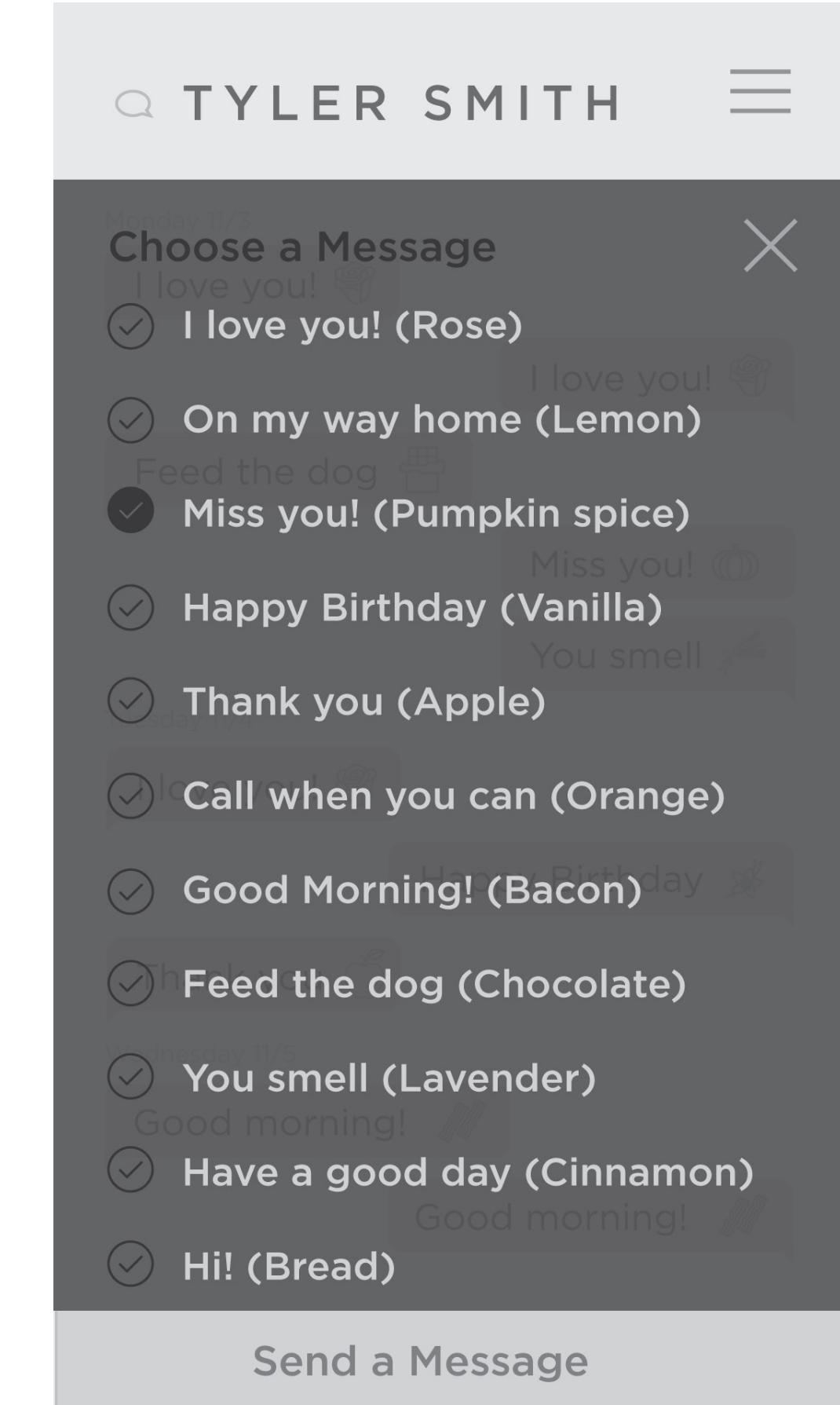
WIREFRAMES 1-3



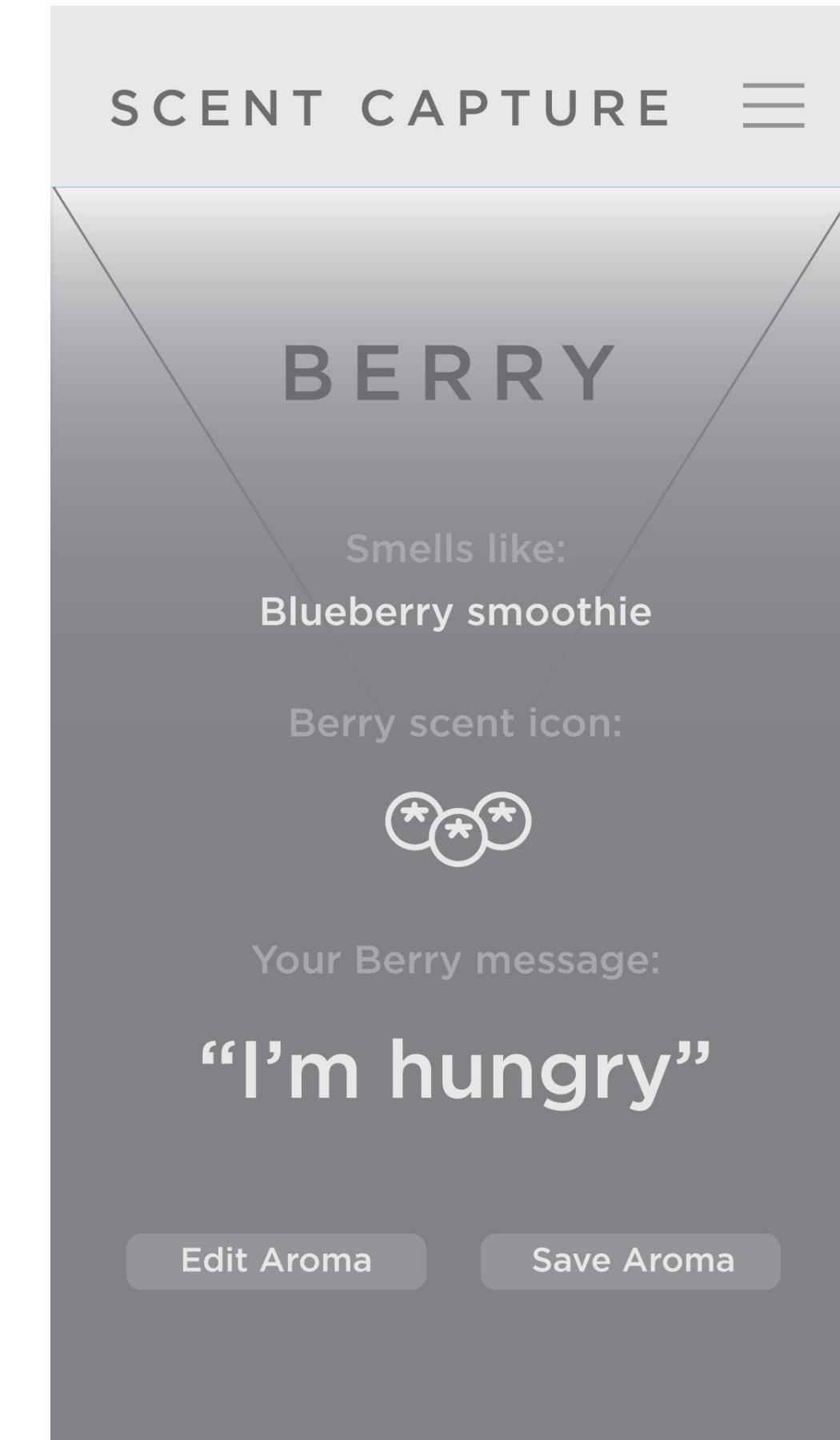
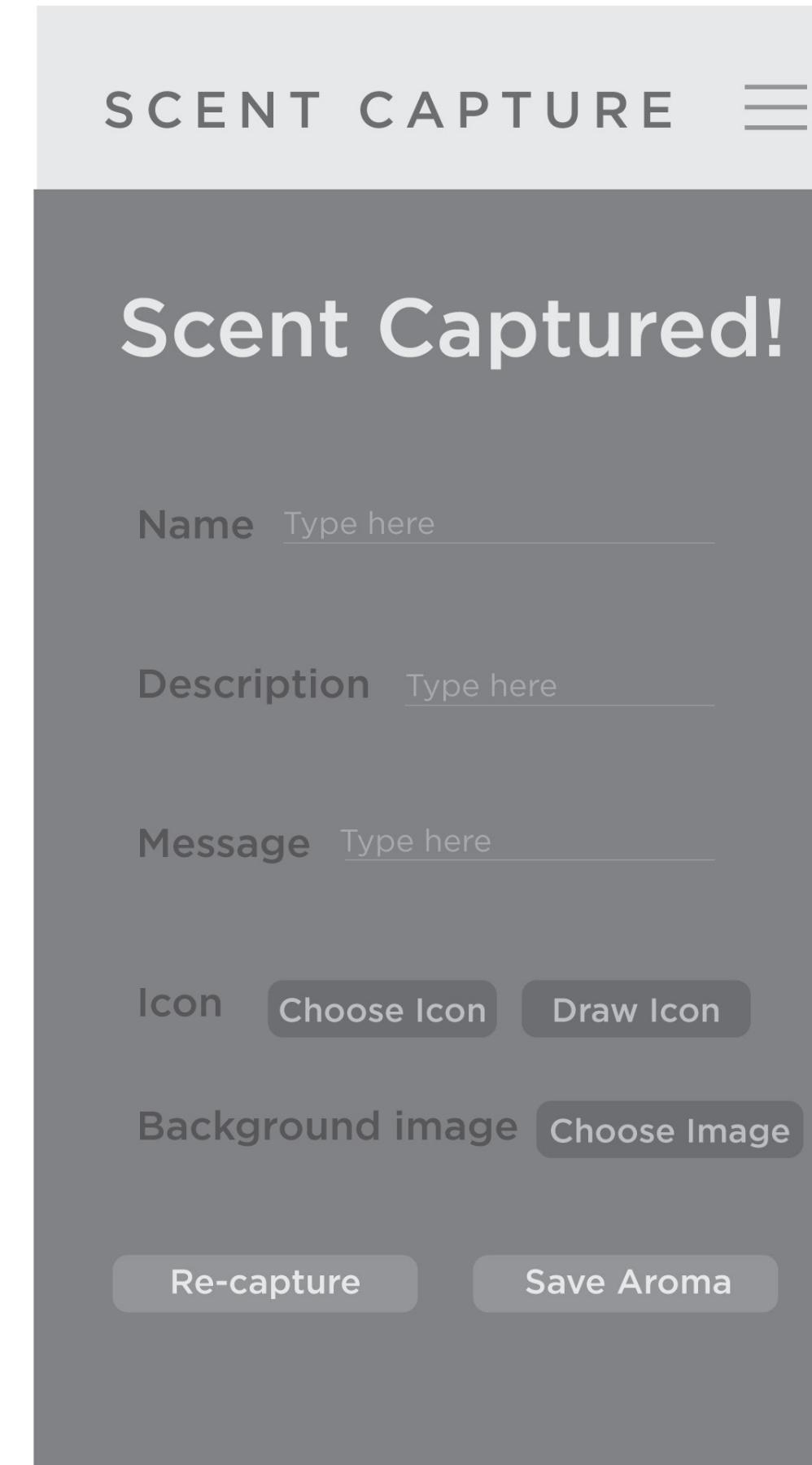
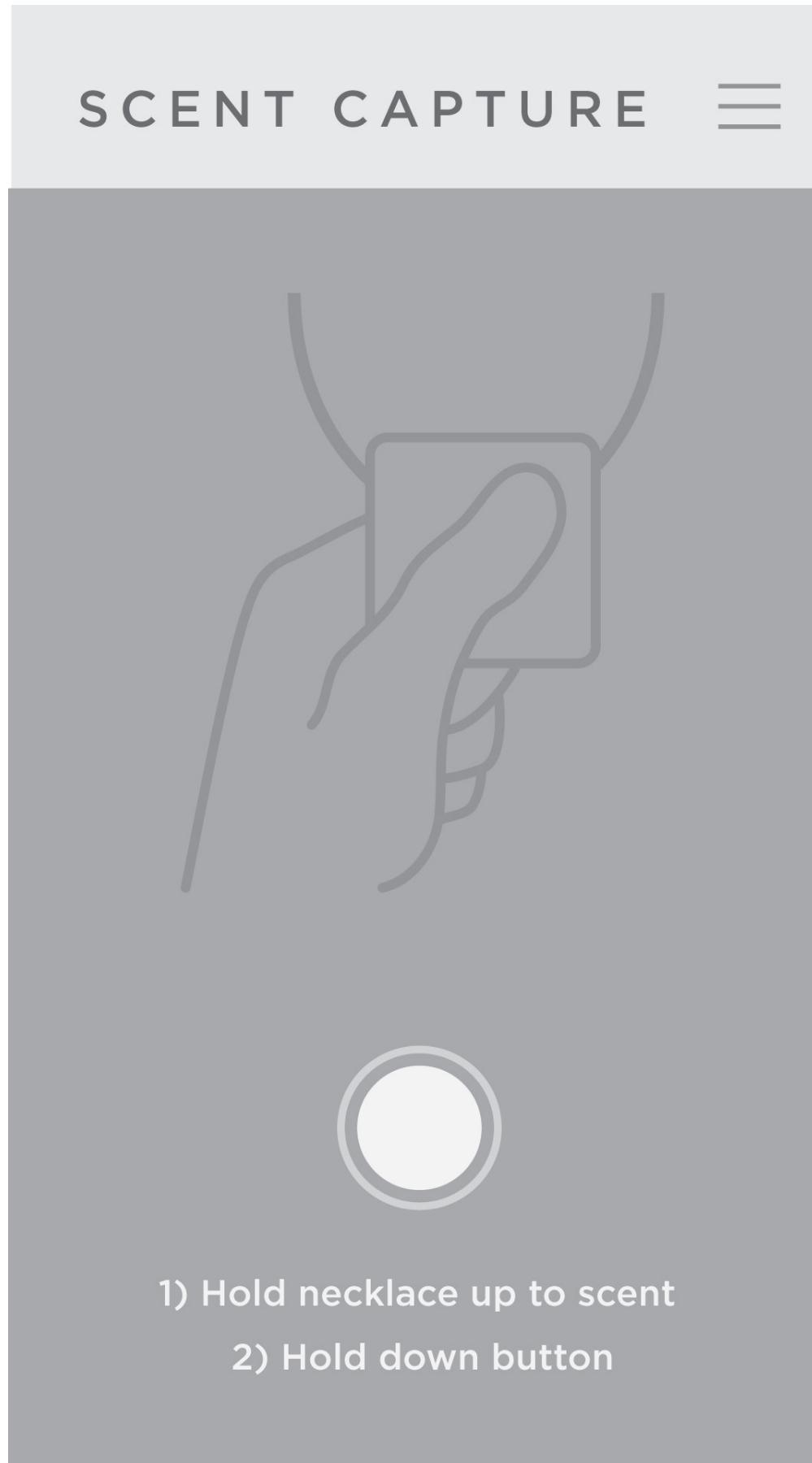
A wireframe of a login screen. At the top center is a large, bold "AROMA" logo inside a white rectangular box with a black border. Below it is a form area with two input fields: "Username" with a user icon and "Password" with a lock icon. Below the password field is a large "SIGN IN" button with rounded corners and a dark gray background. At the bottom are two smaller links: "Create Account" and "Forgot Password?".



WIREFRAMES 4-6



WIREFRAMES 7-9



THE NECKLACE

NECKLACE CONCEPT & SKETCHES



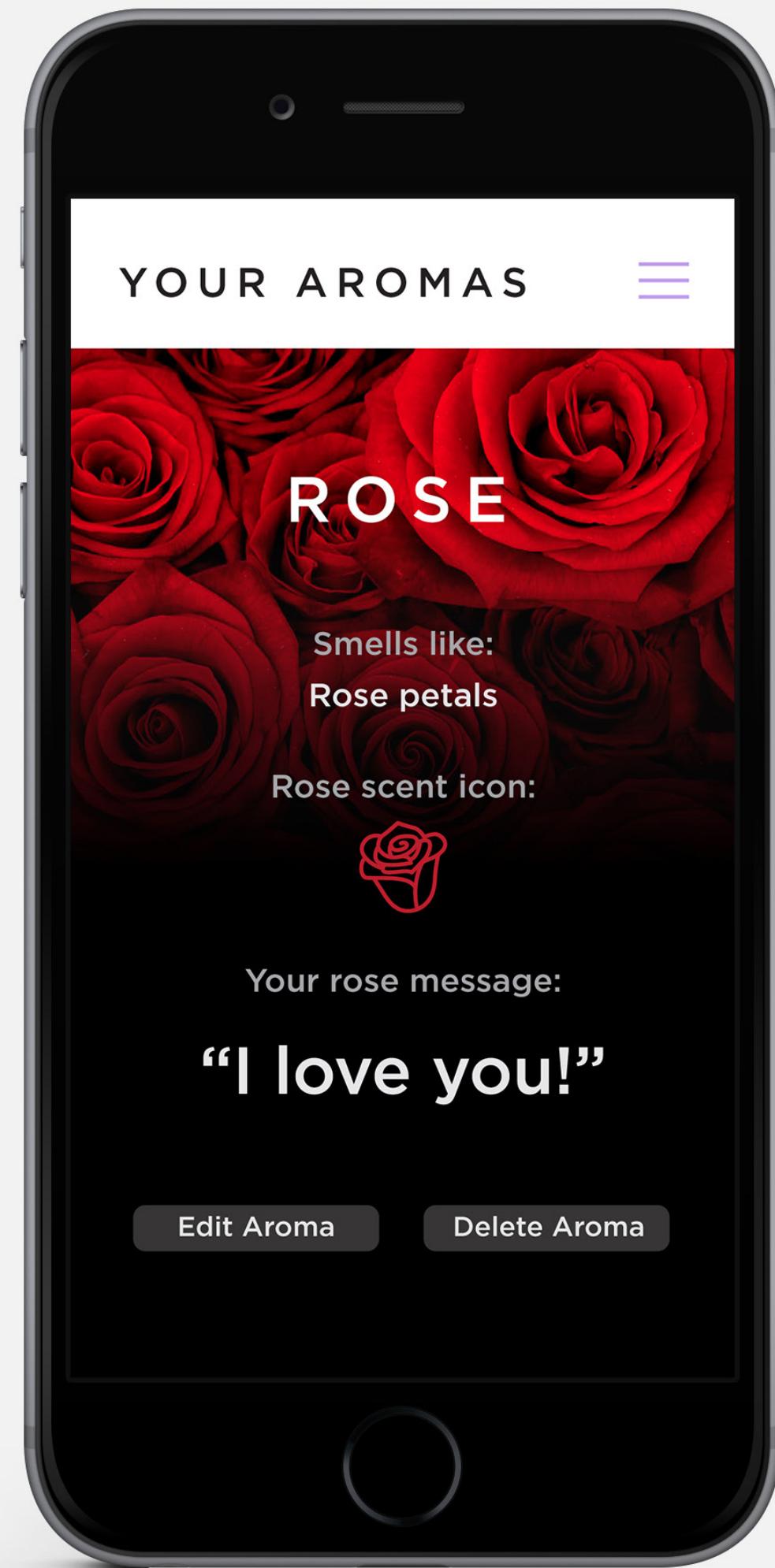
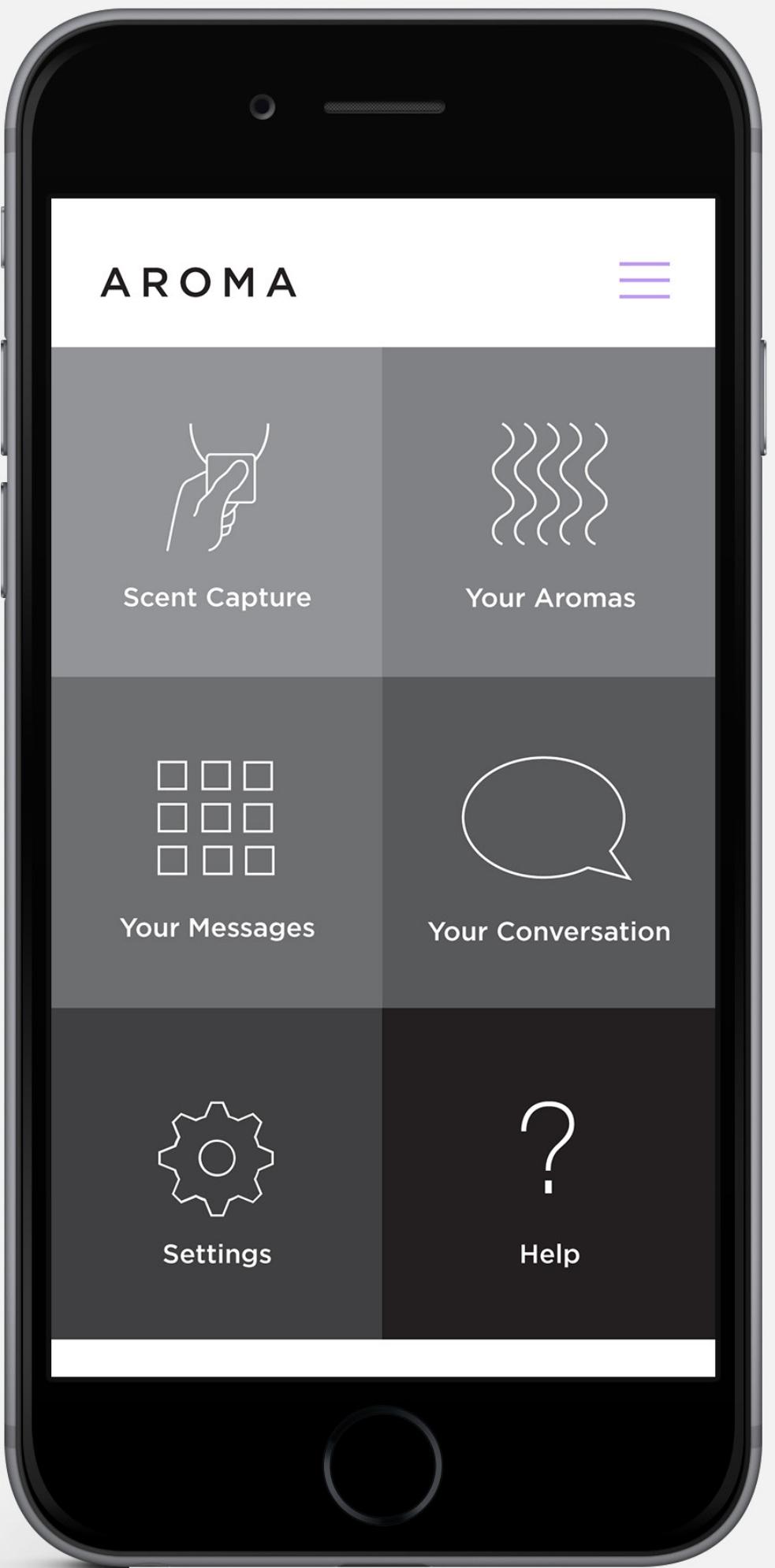
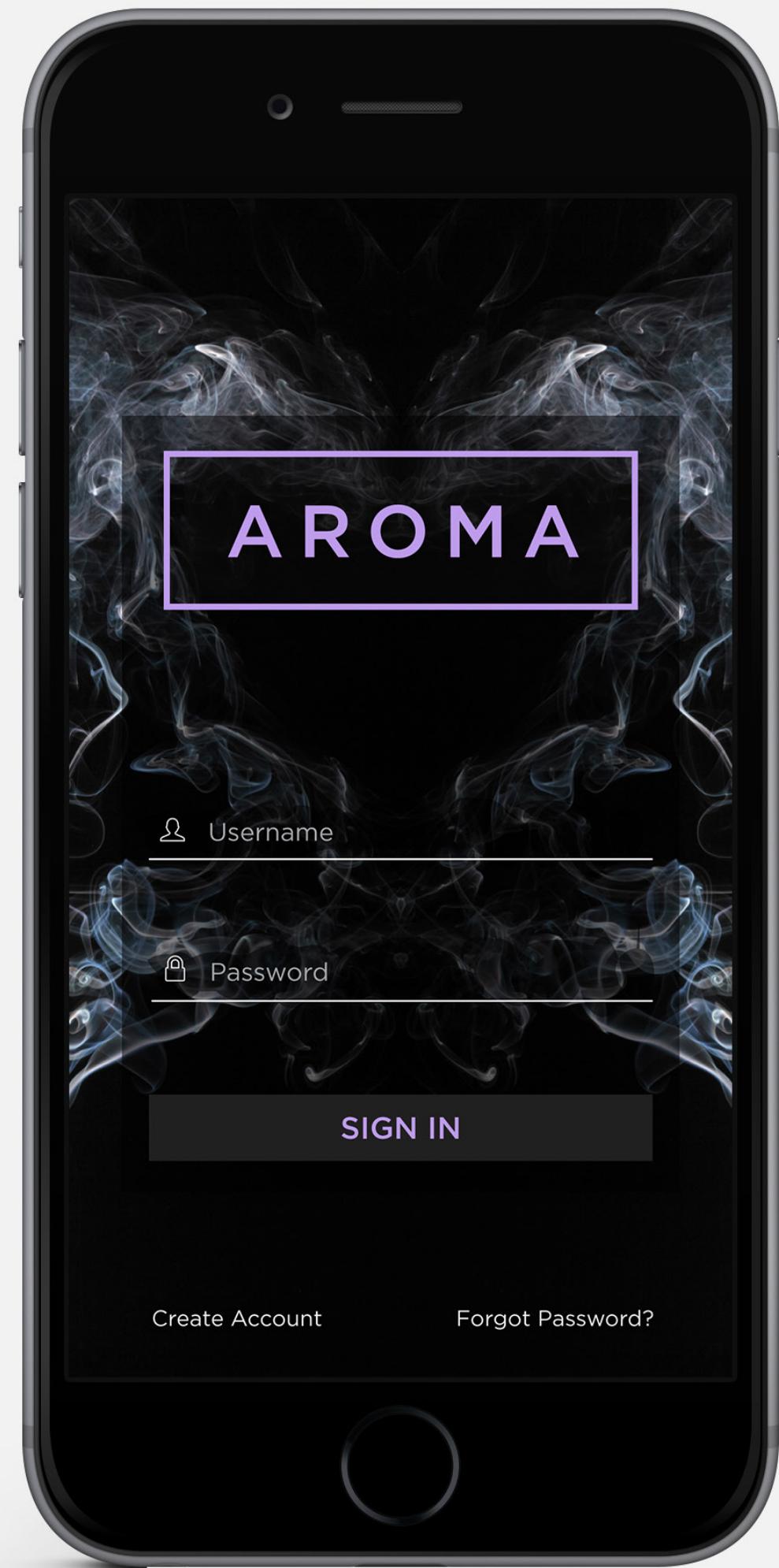
I wanted to keep the necklace very simple so that anyone of any gender and any style would be comfortable wearing it. I originally wanted to put an imprint of the Aroma logo on the bottom and a charging port on the back side of the necklace but instead decided to put the charging port on the bottom and get rid of the Aroma logo to keep it simple.

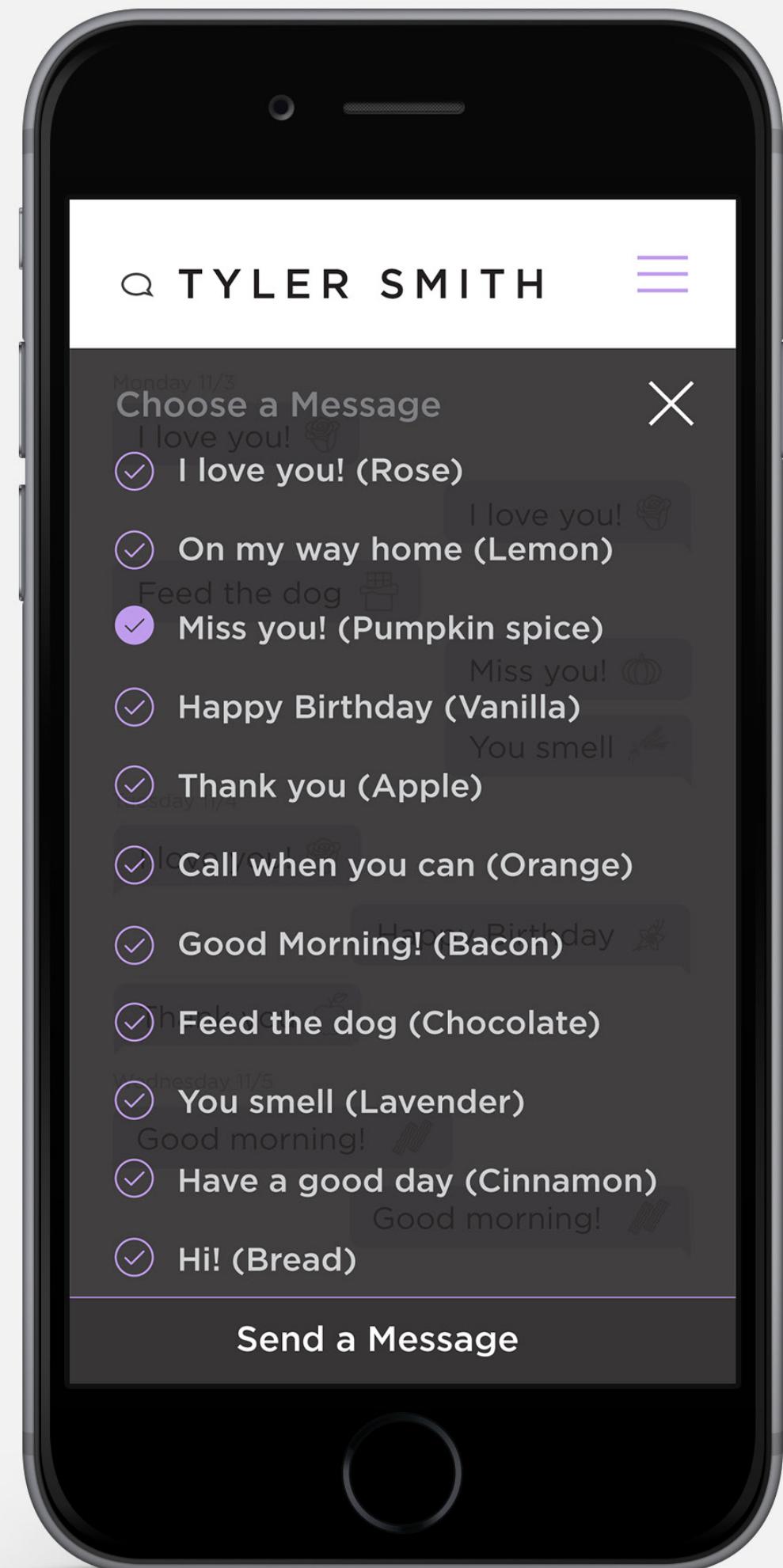
NECKLACE CONCEPT & SKETCHES

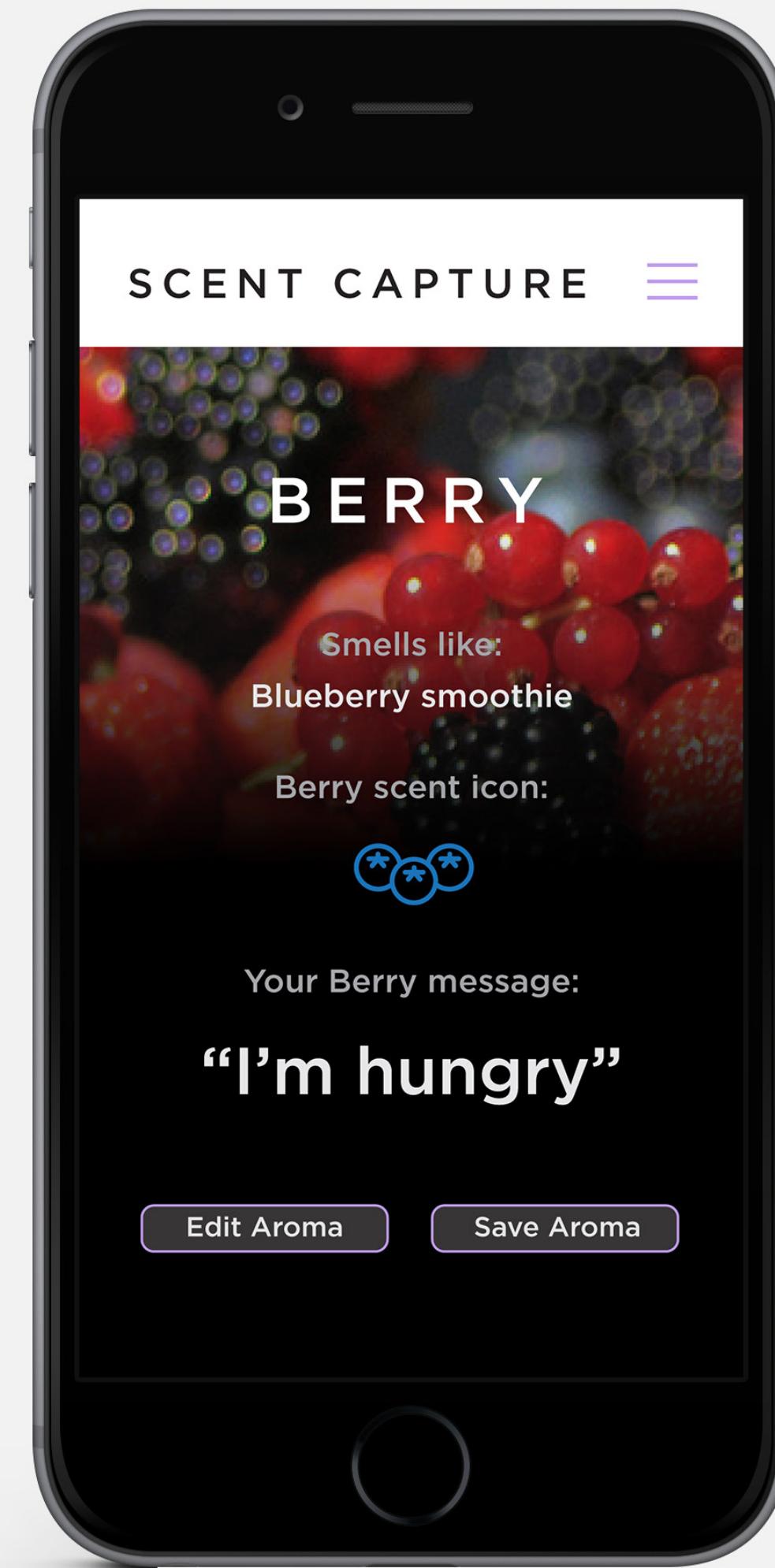
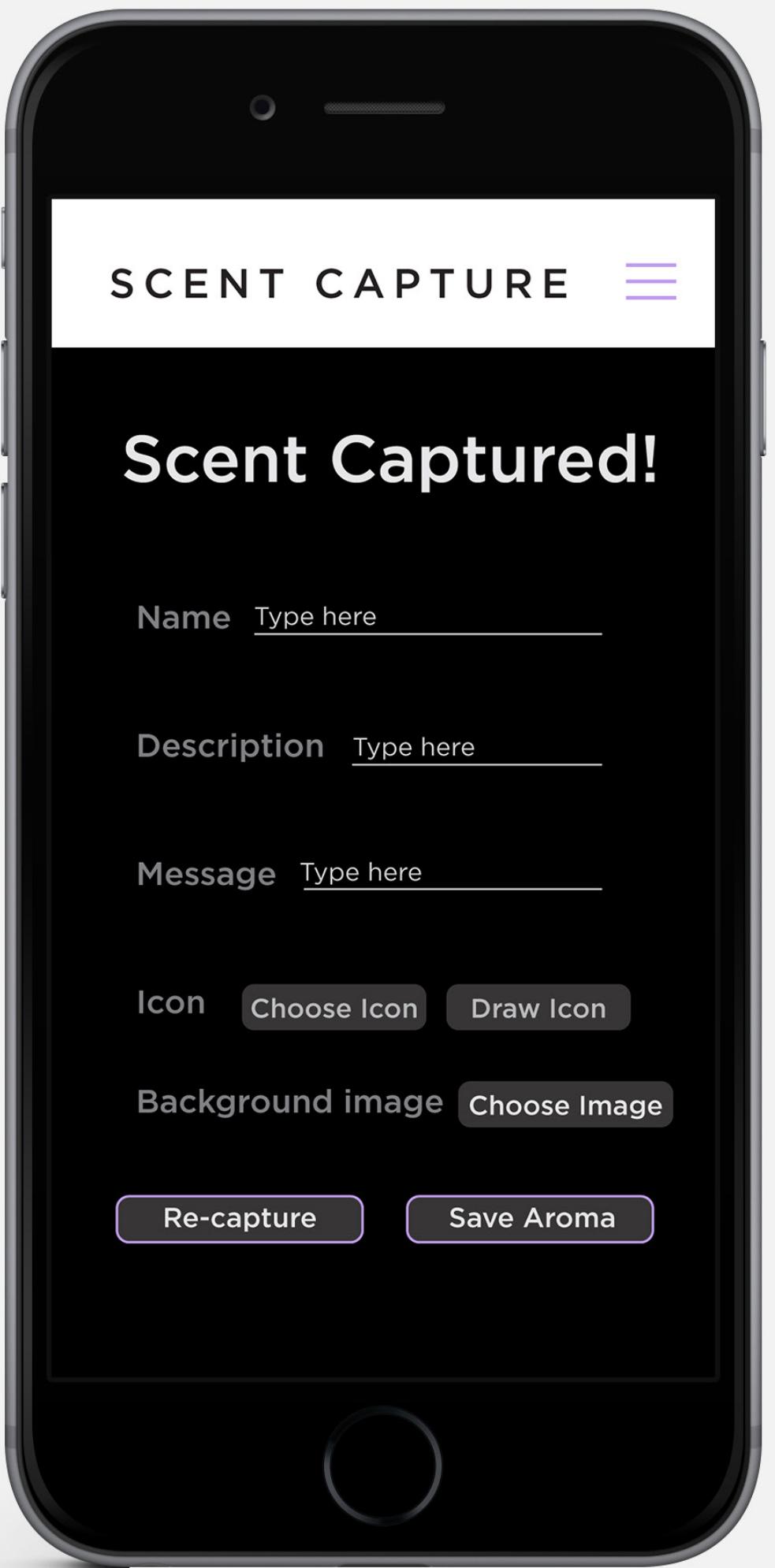


First, I sculpted the necklace from wax and then casted it in sterling silver. The casting process sometimes gives metal a nice, organic texture so I decided to keep one side rough and textured and then make the other side completely smooth. The fact that the necklace is reversible makes it appealing to a wider audience.

FINAL COMPS







A vertical, abstract plume of smoke or steam rising from the bottom center of the frame. The smoke is light-colored at the base and becomes darker and more turbulent towards the top, with wisps dispersing to the sides.

THANK YOU!
