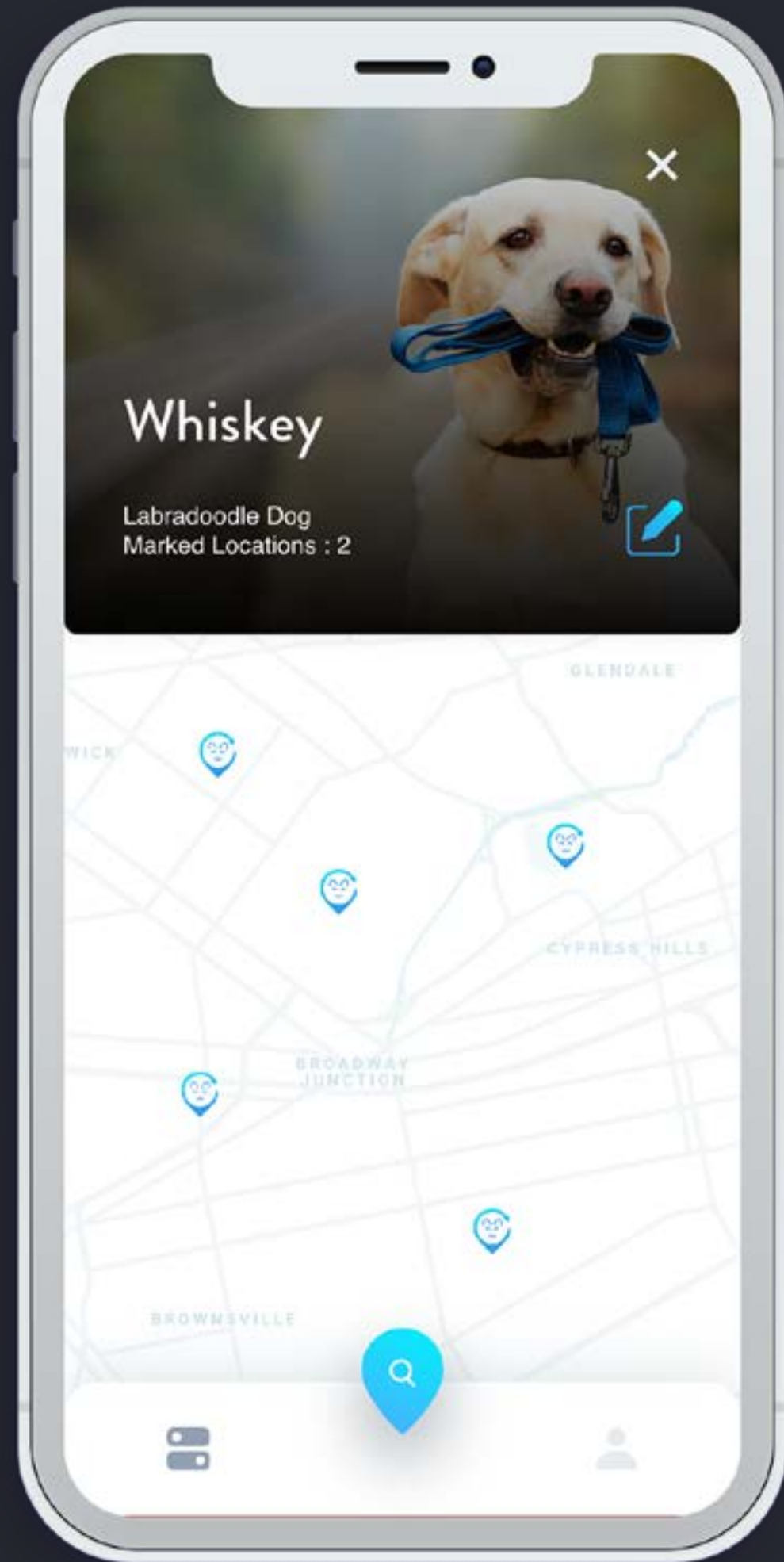


MALACK

APP DESIGN & DEVELOPMENT



To build a hypothetical animal tracking app using HTML, CSS, and JavaScript. The designed app is an app where you can add a dog on your current location on the map. The intention of the app is to track down dogs in different areas and location. These data can be useful in the future to know various facts like what type of dog or dog breed or dog breed type is popular in a particular area of location.

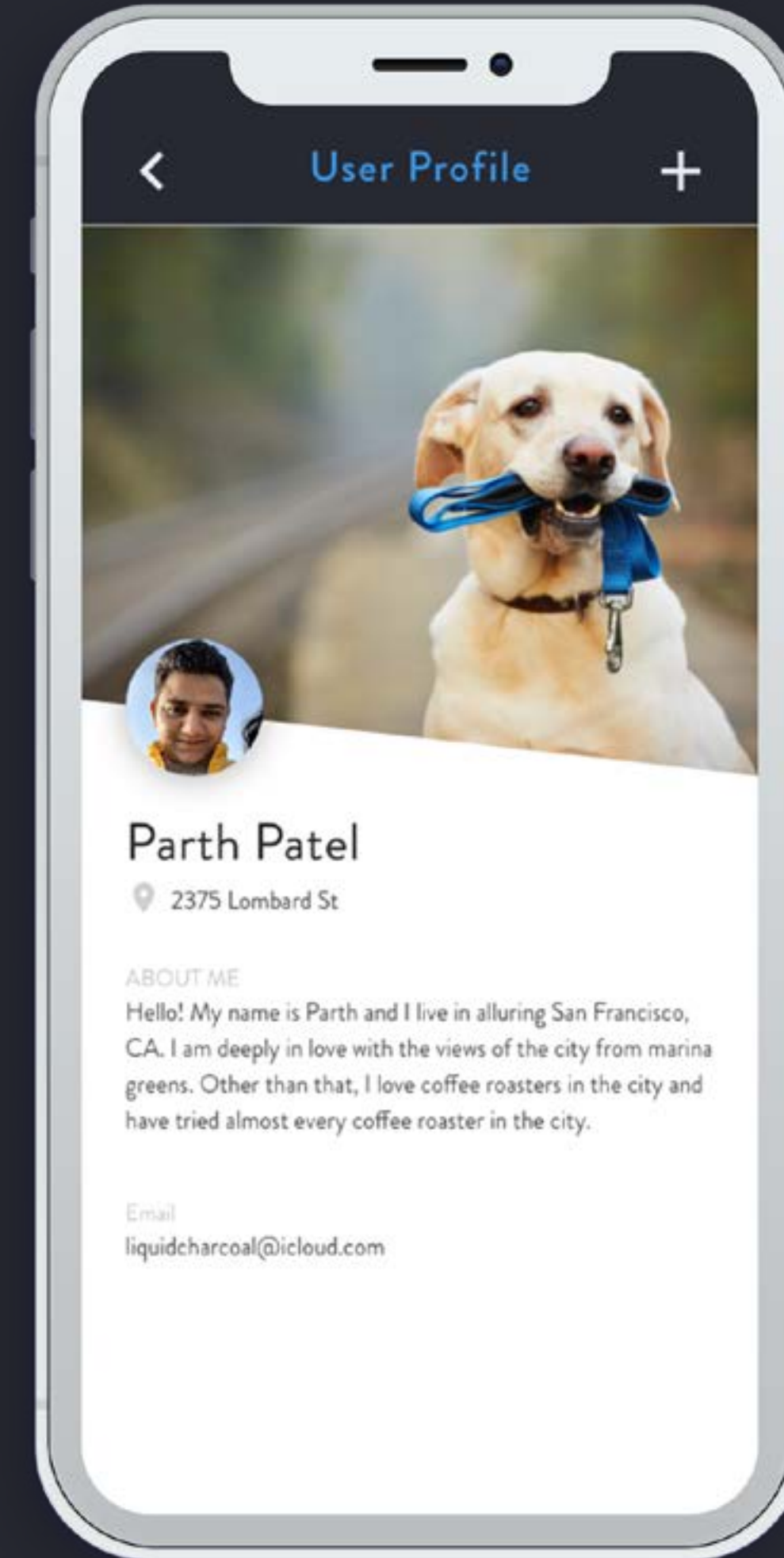
On the other hand, the primary goal of building this app is to explore the coding languages for mobile app development. The technologies used in this app are HTML5, CSS3, Sass, JavaScript, jQuery, jQuery Mobile. Talking about designing tools, the app is designed using Adobe Design software including Adobe XD, Photoshop and Illustrator.

Tasks

- Brainstorming for the names.
- Design a logo for the app.
- List the features to be added in the app.
- Design style guide.
- Prepare wireframes.
- Run user testing.
- Design High-Fidelity wireframes.
- Develop the app with HTML, CSS, and JS.

Features

- Features
- Track a particular dog.
- Track based on the breed.
- Add a location to a dog.
- Edit a dog's information.
- Add a new location to a particular dog.



STYLE GUIDE

Logo Structure



Color Theme

Blue De France

Hex #3998E8
R 57 G 152 B 232

Spanish Sky Black

Hex #00F2FE
R 57 G 242 B 254

Cadet Gray

Hex #929FB3
R 146 G 159 B 179

Glitter

Hex #E7ECEF
R 231 G 236 B 239

Chaleston Green

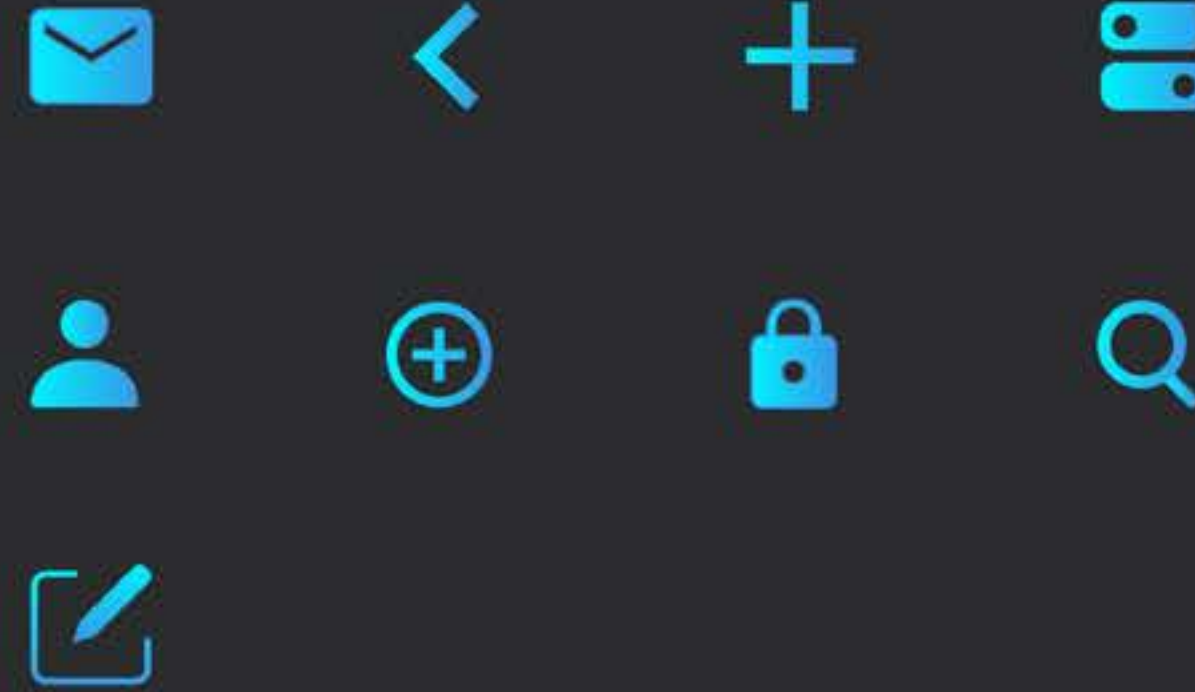
Hex #272939
R 39 G 41 B 50

Gradient

#3998E8

#00F2FE

Iconography and Illustrations



Typography

Brandon Grotesque

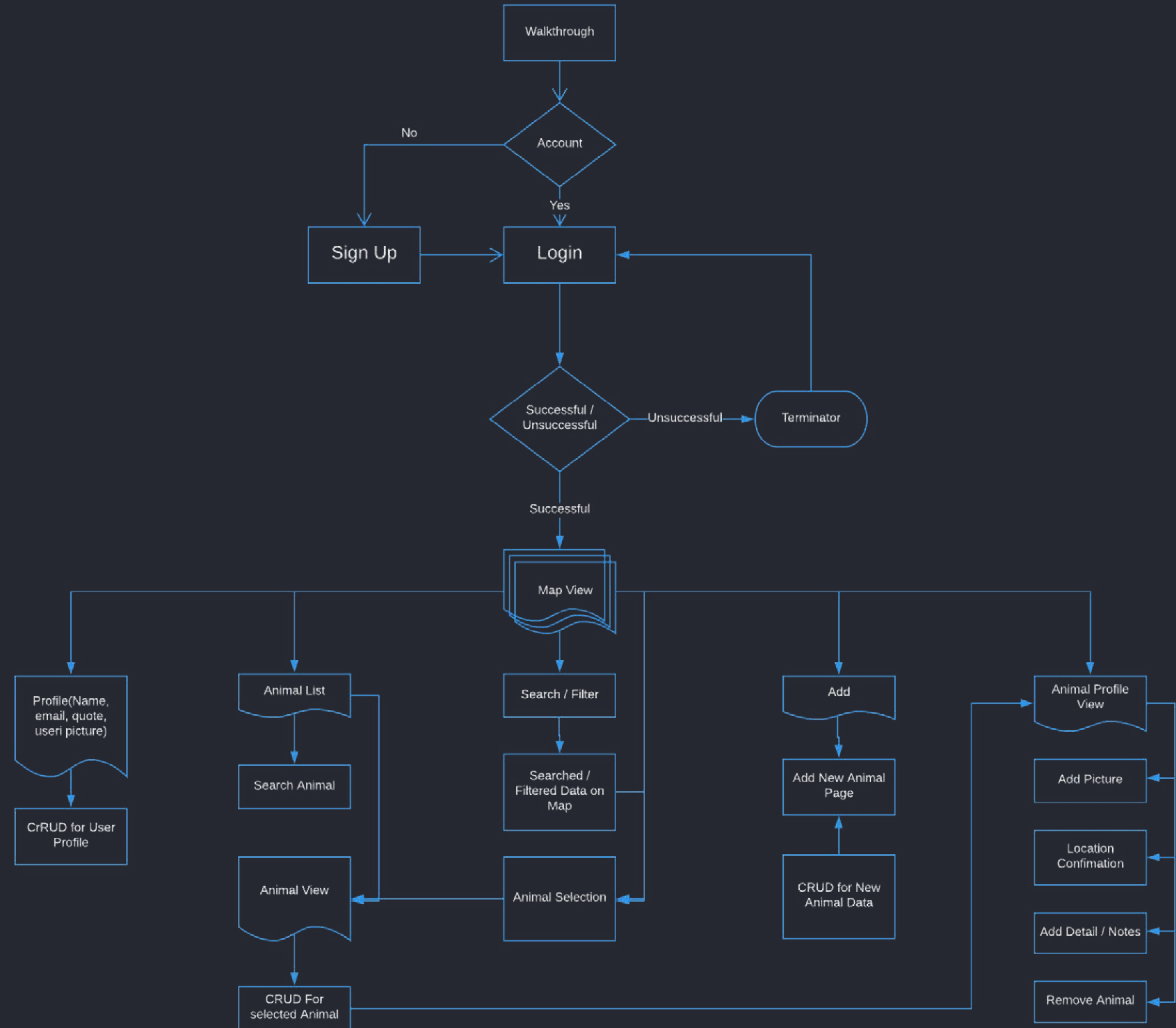
Subtitle, Body text, Button text, Description

Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

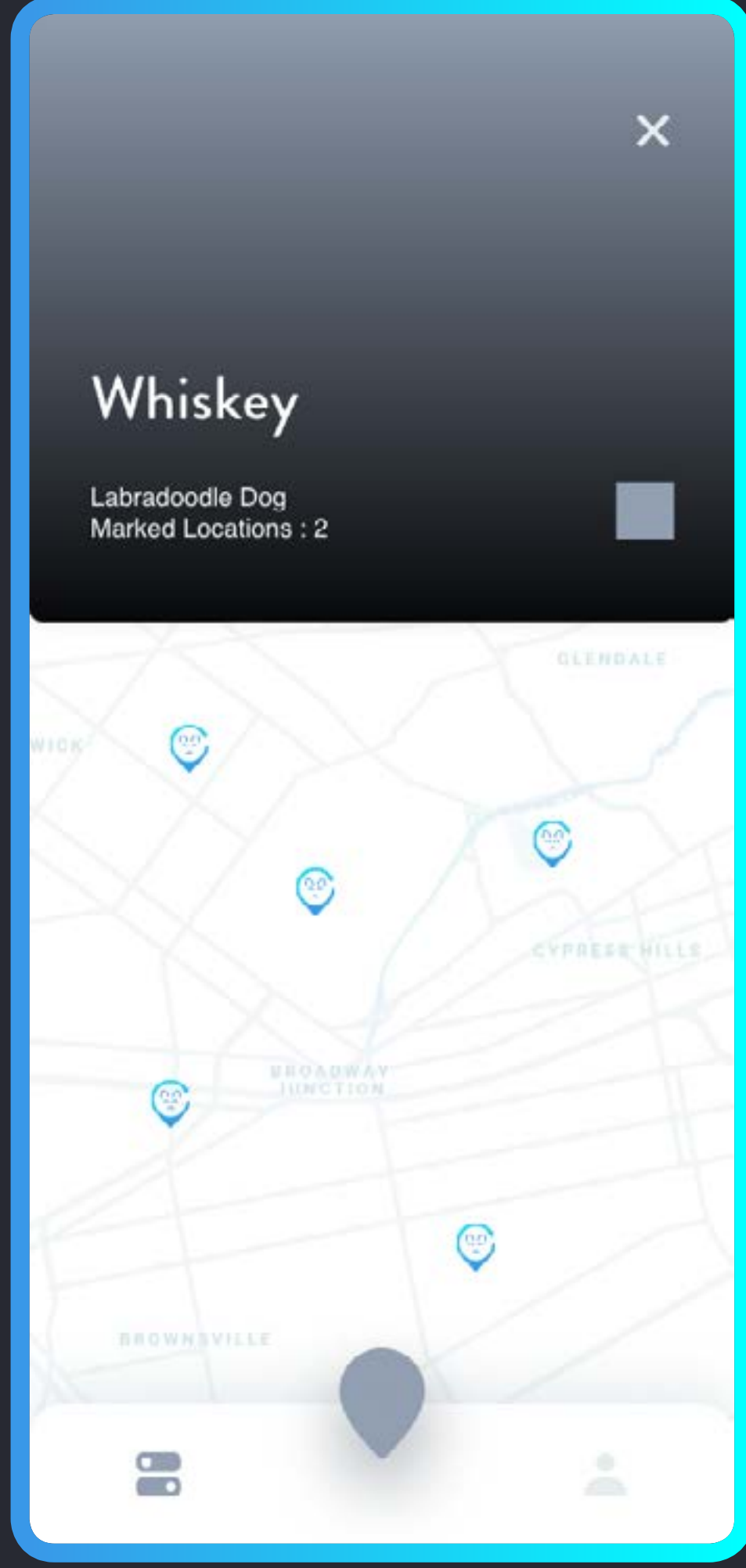
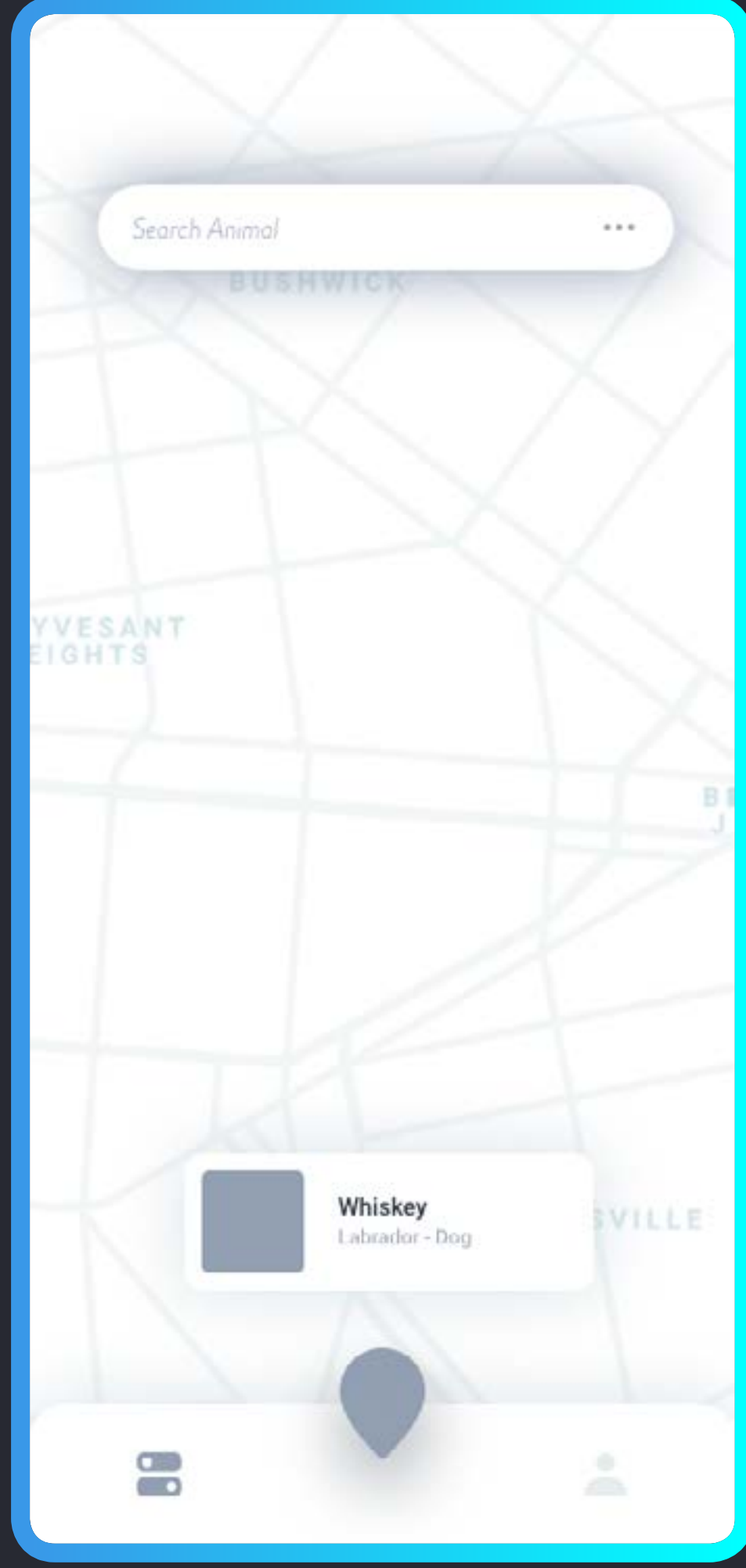
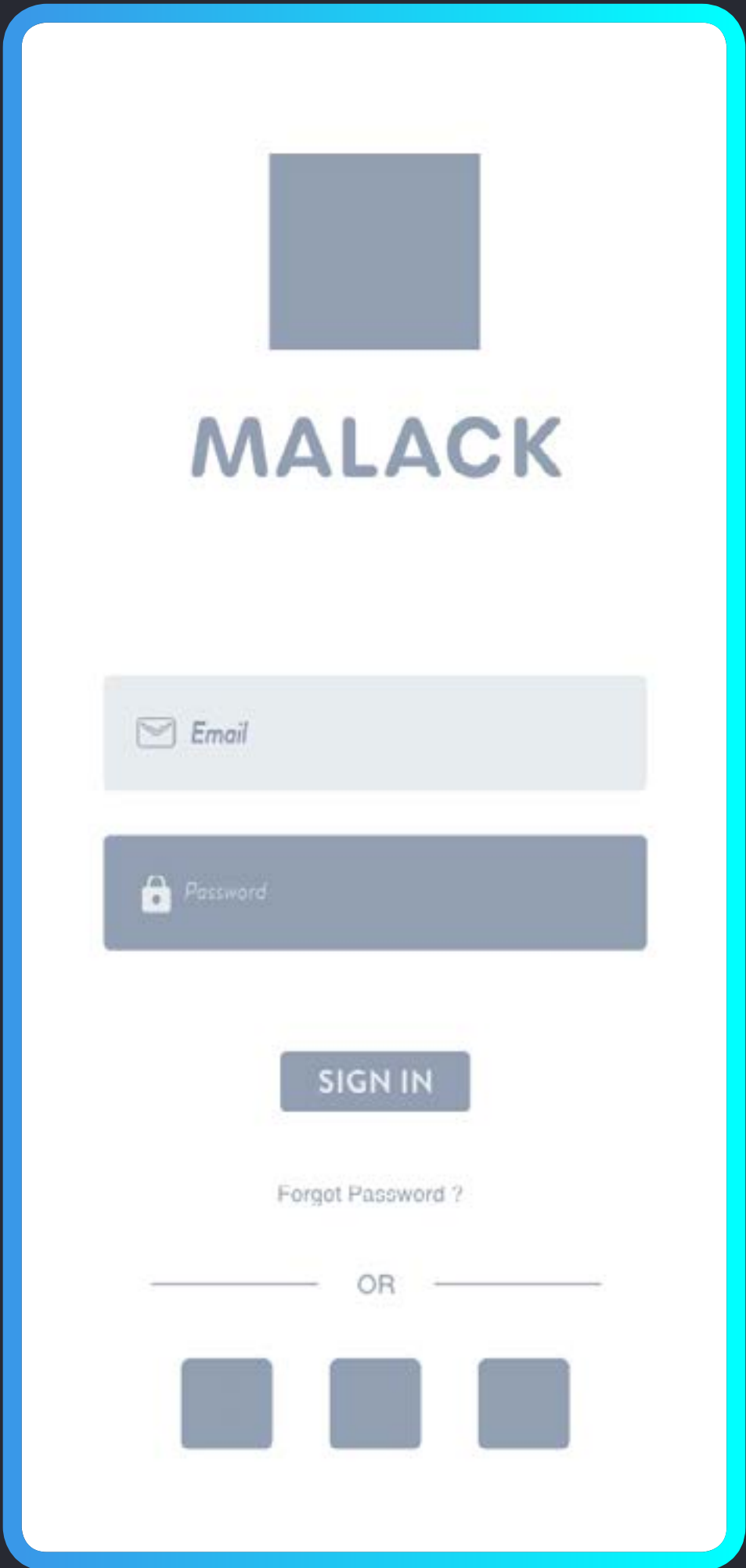
Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890



06

skeleton



< Add Animal Profile +

⊕
Upload Image

Name :

Breed :

Type :

Done

< Edit Profile +

⊕
Upload Image

Name :

Breed :

Type :

Done

< User Profile +

⊕
Upload Image

Parth PATEL
📍 2375 Lombard St

ABOUT ME
Hello! My name is Parth and I live in alluring San Francisco, CA. I am deeply in love with the views of the city from marina greens. Other than that, I love coffee roasters in the city and have tried almost every coffee roaster in the city.

Email
liquidcharcoal@icloud.com

< Edit Profile +

⊕
Upload Image

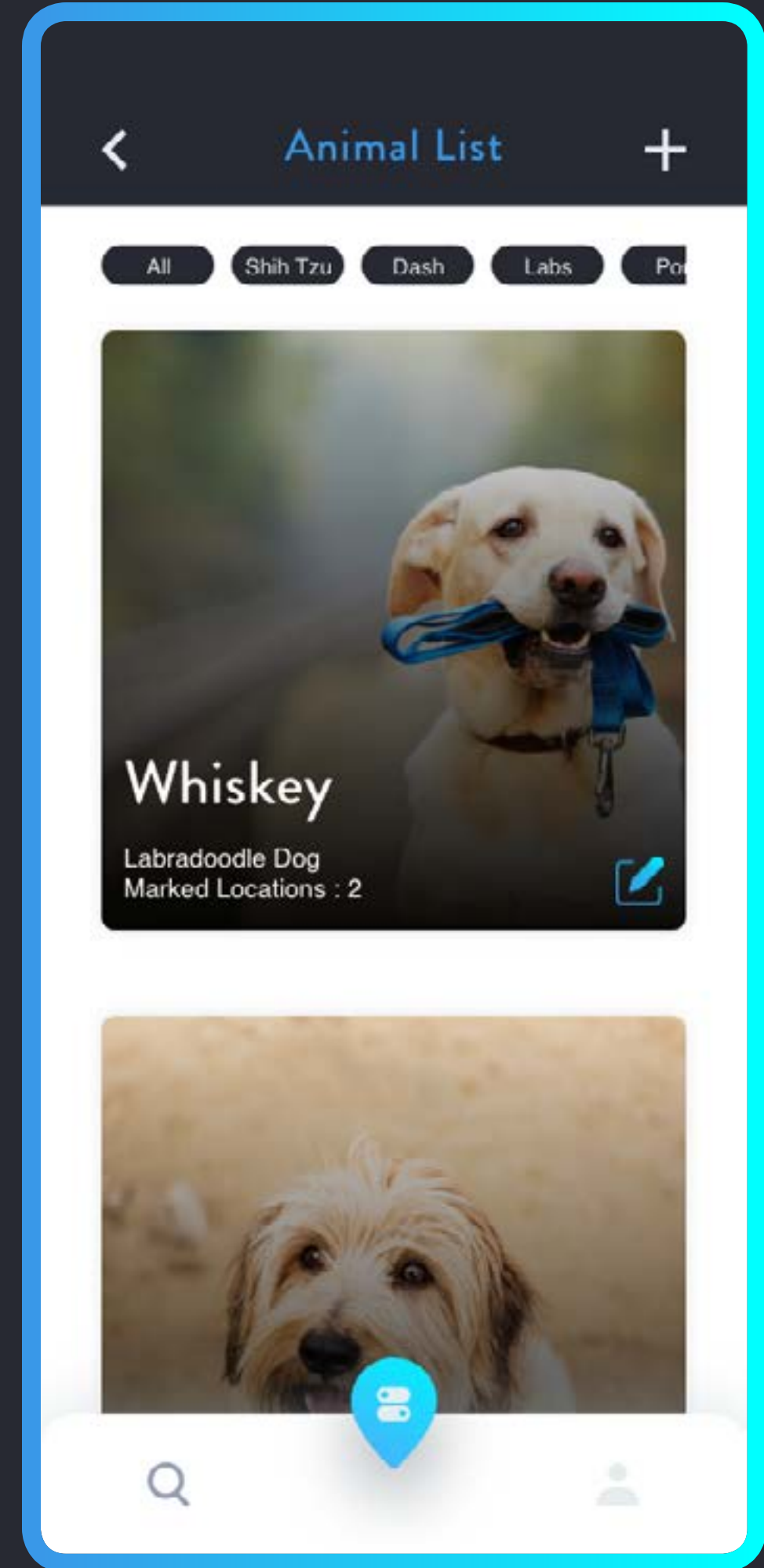
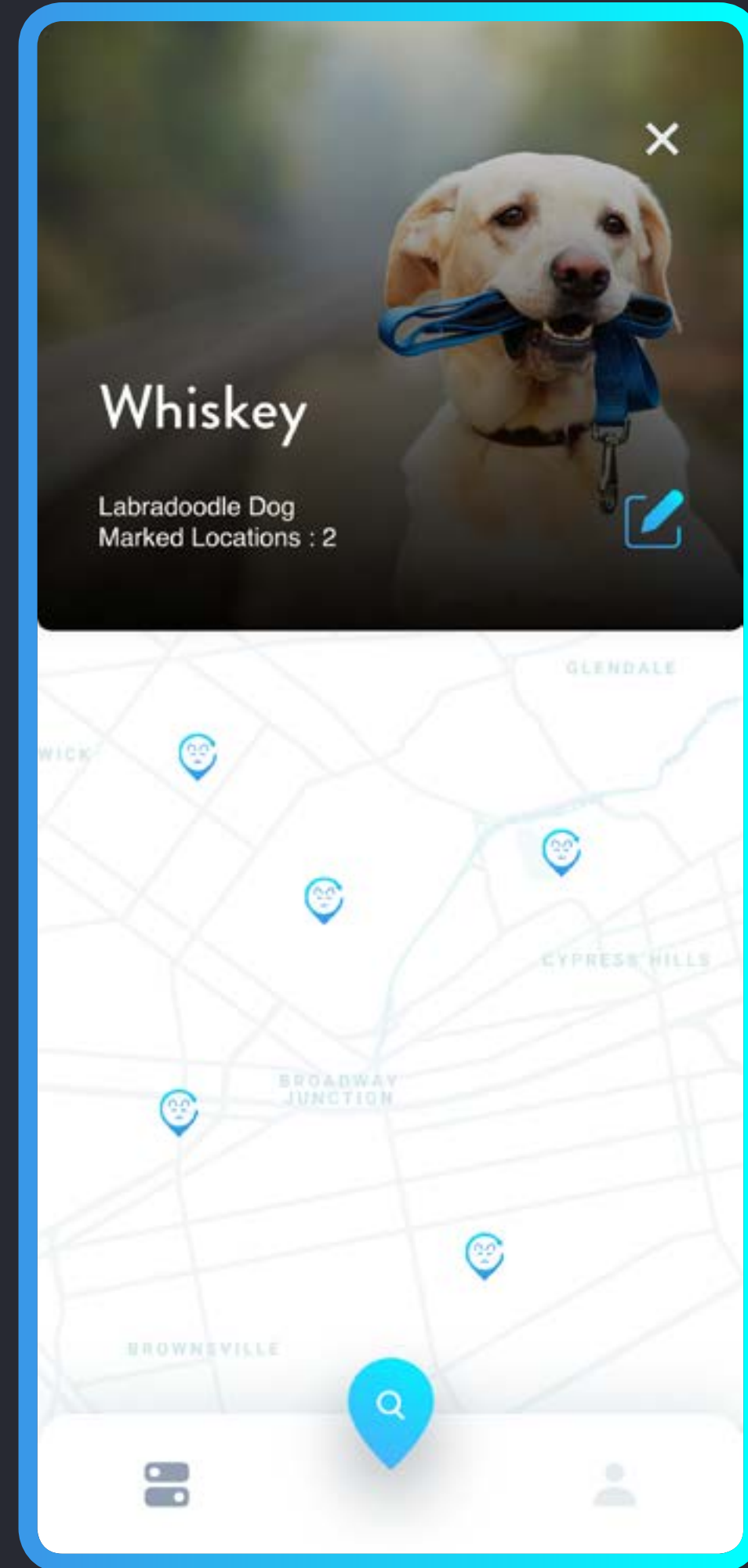
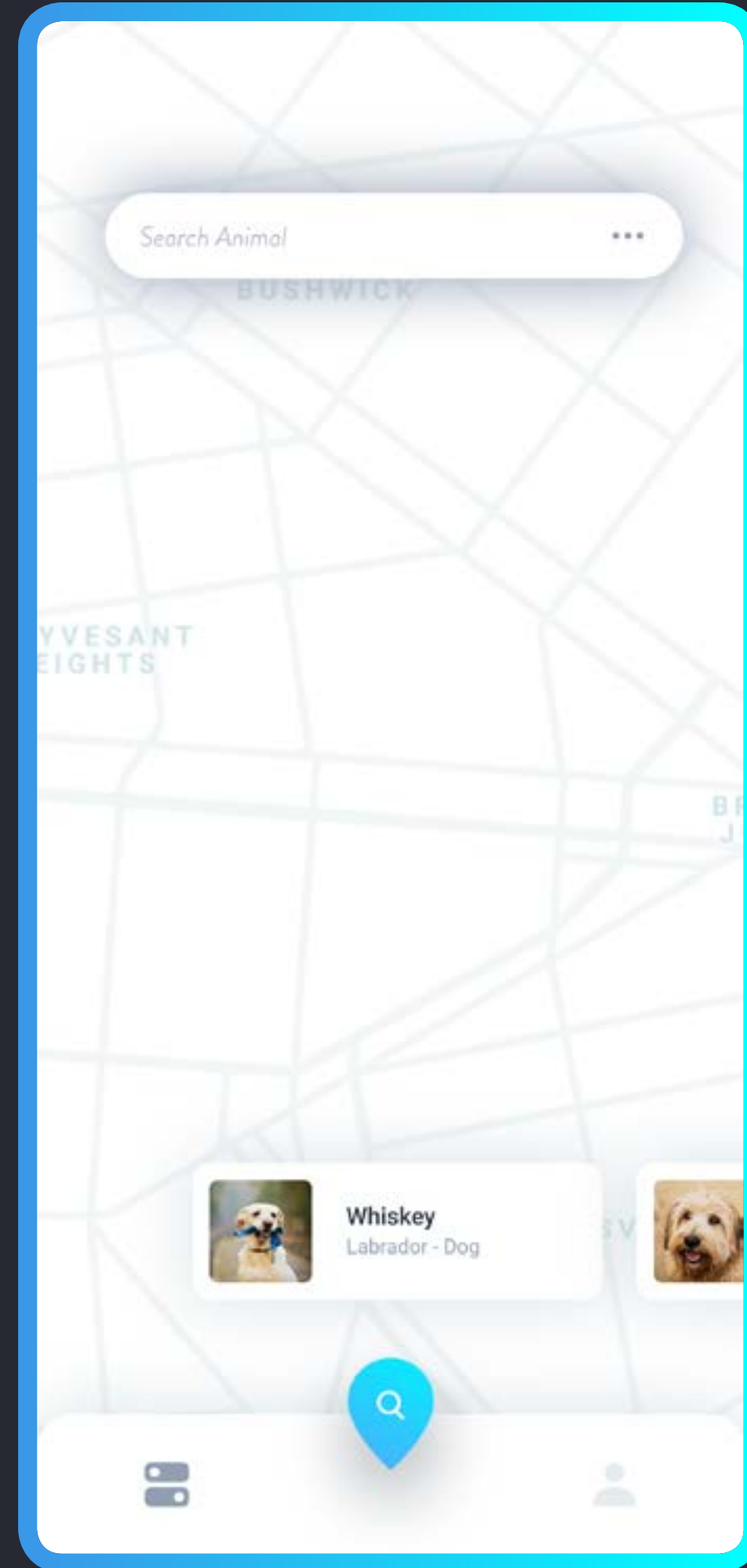
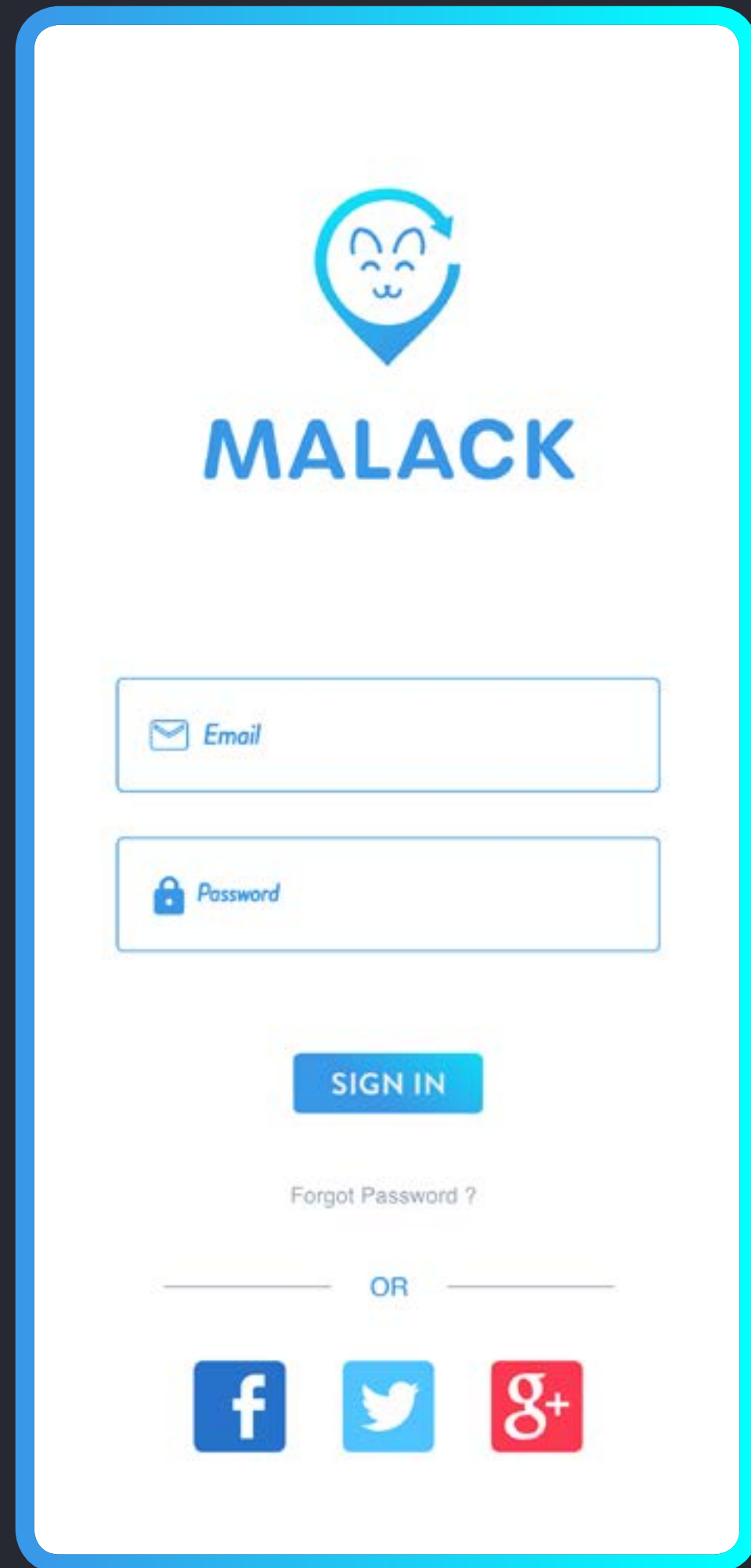
Name :

About :

Address :

Email :

Done



< Add Animal Profile +

+

Upload Image

Name :

Breed :

Type :

Done

< Edit Profile +

+

Upload Image


Name :

Breed :

Type :

Done

< User Profile +



Parth Patel

2375 Lombard St

HELLO! My name is Parth and I live in Alamo, San Francisco, CA. I am deeply in love with the views of the city from various greens. Other than that, I love coffee roasters in the city and have tried almost every coffee roaster in the city.

parthpatel@gmail.com

< Edit Profile +

+

Upload Image

Name :

About :

Address :

Email :

Done

Front-End Development Technologies

HTML



CSS



JS



Global *Sass* variables

```
$tool-height: 3em
$sub-fonts: urbane-rounded, sans-serif //Logo and Title Fonts
$gr-fonts: brandon-grotesque, sans-serif // Body and Title Fonts

$fw-heavy: 900
$fw-bold: 700
$fw-dbold: 600
$fw-med: 500
$fw-reg: 400
$fw-light: 300
$fw-ex-light: 200
$fw-thin: 100

$text-right: right
$text-center: center
```


Global Sass mixins



```
=type($font: $gr-fonts, $size: 1em, $weight: $fw-reg, $align: left)
  font-family: $font
  font-weight: $weight
  text-align: $align
  font-size: $size
  text-rendering: auto

=text-shadow($x: 2px, $y: 2px, $blur: 5px, $color: rgba($dark, 0.4))
  text-shadow: $x $y $blur $color

=box-shadow($x: 2px, $y: 2px, $blur: 5px, $color: rgba($dark, 0.4), $inset: "")
  @if $inset != ""
    +css3-prefix("box-shadow", $inset $x $y $blur $color)
  @else
    +css3-prefix("box-shadow", $x $y $blur $color)
```

Pure CSS3 image gradient overlay



Original Pic



Result

```
.cover-image
  background: linear-gradient( rgba($dark, 0.25),
                             rgba($dark, 0.65) ),
             url('../img/animal_list_page/whiskey_lab.jpg')
```

With use of gradient overlay technique of CSS background property you can easily avoid,

1. Creation of an overlay element.
2. Styling and positioning of overlay element.

Pure CSS3 image shaping



Achievment by image shaping with CSS

- No need of image processing scipts or software.
- Easy modification for future as image is still in original shape.

```
.cover-image
  background: linear-gradient( rgba($dark, 0.25),
                             rgba($dark, 0.65) ),
             url('../img/animal_list_page/whiskey_lab.jpg')

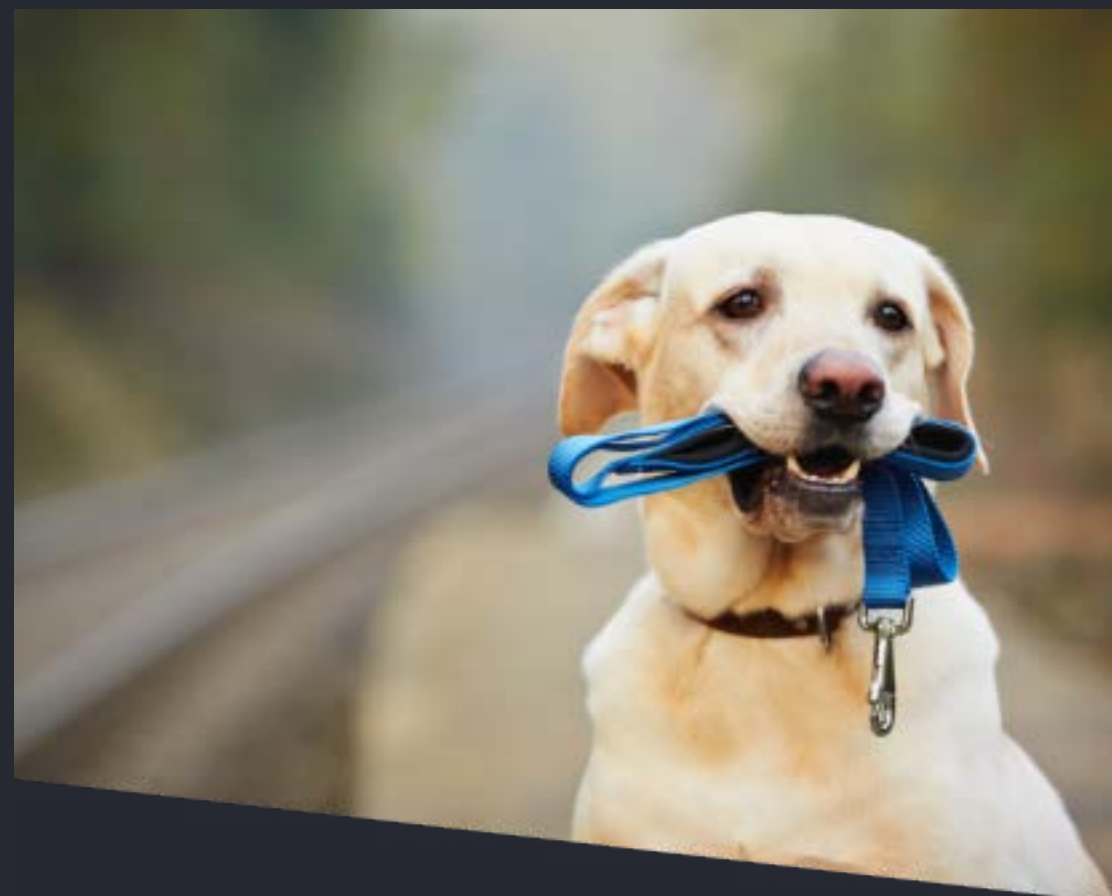
  background-size: cover

  background-repeat: no-repeat

  background-position: center

  clip-path: polygon(0 0, 100% 0, 100% 100%, 0 calc(100% - 12vw))
```


Pure CSS3 image shaping



Achievment by image shaping with CSS

- No need of image processing scipts or software.
- Easy modification for future as image is still in original shape.

```
.cover-image
  background: linear-gradient( rgba($dark, 0.25),
                              rgba($dark, 0.65) ),
              url('../img/animal_list_page/whiskey_lab.jpg')

  background-size: cover

  background-repeat: no-repeat

  background-position: center

  clip-path: polygon(0 0, 100% 0, 100% 100%, 0 calc(100% - 12vw))
```

CSS styling for google map markers.



Achievment by styling markers with css.

- 1. No need to process image for marker. It will get direct shape with border radius
- Wise use of CSS selectors means no JS hussle.

```
.cover-image  
  [src^="http://via.placehol  
    border-radius: 50%
```

Flex-box mixin

```
=flexbox
  display: -webkit-box
  display: -webkit-flex
  display: -moz-flex
  display: -ms-flexbox
  display: flex

%flexbox
  +flexbox

//-----

=inline-flex
  display: -webkit-inline-box
  display: -webkit-inline-flex
  display: -moz-inline-flex
  display: -ms-inline-flexbox
  display: inline-flex

%inline-flex
  +inline-flex

=flex-none
  flex: none
```

Full Plugin at GitHub :

<https://github.com/theliquidcharcoal/flexbox-sass-mixin/blob/master/flex-box-mixin.sass>

```
.flex-parent
  +flexbox

.flex-child
  +flex(1, 1, auto)

.flex-none
  +flex-none

.flex-wrap
  +flex-wrap(wrap)

.flex-vertical
  +flex-direction(column)

// Flex align items
.flex-align-items-center
  +align-items(center)

.flex-align-items-stretch
  +align-items(stretch)

.flex-align-items-start
  +align-items(flex-start)

.flex-align-items-end
  +align-items(flex-end)
```


ajax based JSON database

```
let db = [];  
  
$.ajax({  
  url: 'data/data.json',  
  dataType: 'json'  
})  
.done(d=>{  
  console.log(d);  
  db = d;  
})
```

Google map Inegration

```
const showMap = async (arr, target, callback) => {
  await checkData(()=>window.google);

  const tm = $(target);
  const sf = {lat:37.786227, lng:-122.399309};
  const mapControl = {
    zoom: 12,
    mapTypeId: 'roadmap',

    streetViewControl: false,
    mapTypeControl: false,
    fullscreenControl: false,
    zoomControl: false,
    center: sf,
    title: 'amlImg',
    styles: malackMapStyle
  };

  if(!tm.data("map")) {
    tm.data(
      "map",
      new google.maps.Map(tm[0], mapControl)
    );
    tm.data(
      "infoWindow",
      new google.maps.InfoWindow({
        content: ''
      })
    );
  }
}
```

```
    if(tm.data("markers")) {
      tm.data("markers").forEach(o=>o.set-
Map(null));
    }

    tm.data("markers", []);
    console.log(arr);
    arr.forEach(o=>{

      let marker = new google.maps.Marker({
        position: o,
        map: tm.data("map"),
        icon:{
          url: o.icon,
          scaledSize:{
            width:40,
            height:40
          }
        },
        id:o.id
      });
      tm.data("markers").push(marker);
    })

    if(callback) callback(target);
  }
}
```

Prototype live on web

The app is live for user testing purpose only.

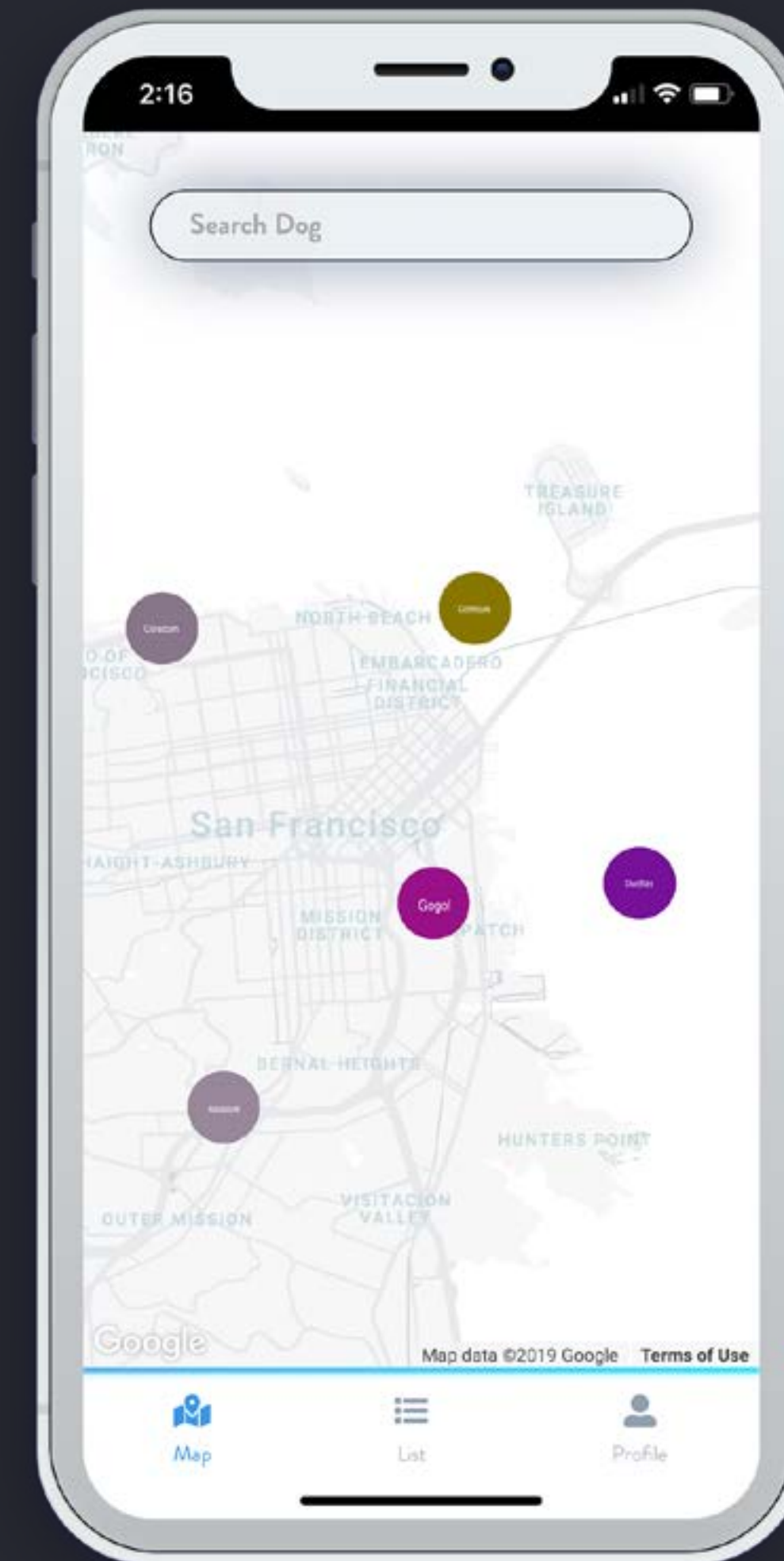
one can visit the link below and give their feedback at liquidcharcoal@icloud.com .

[Visit the app](#)

Test Login credentials:

username : user0

password : pass



Prototype live on web

The app is live for user testing purpose only.

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