NebulaOS
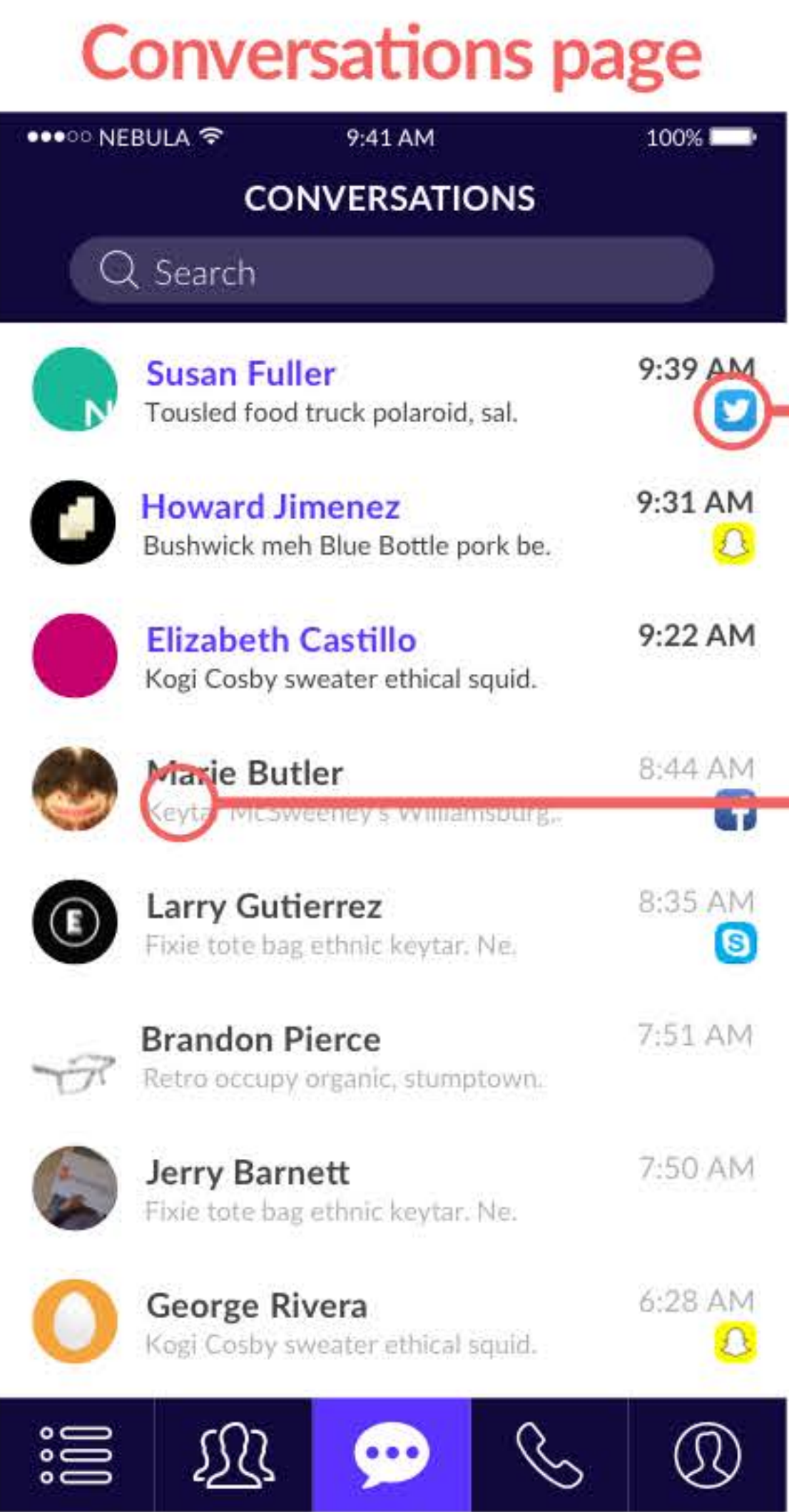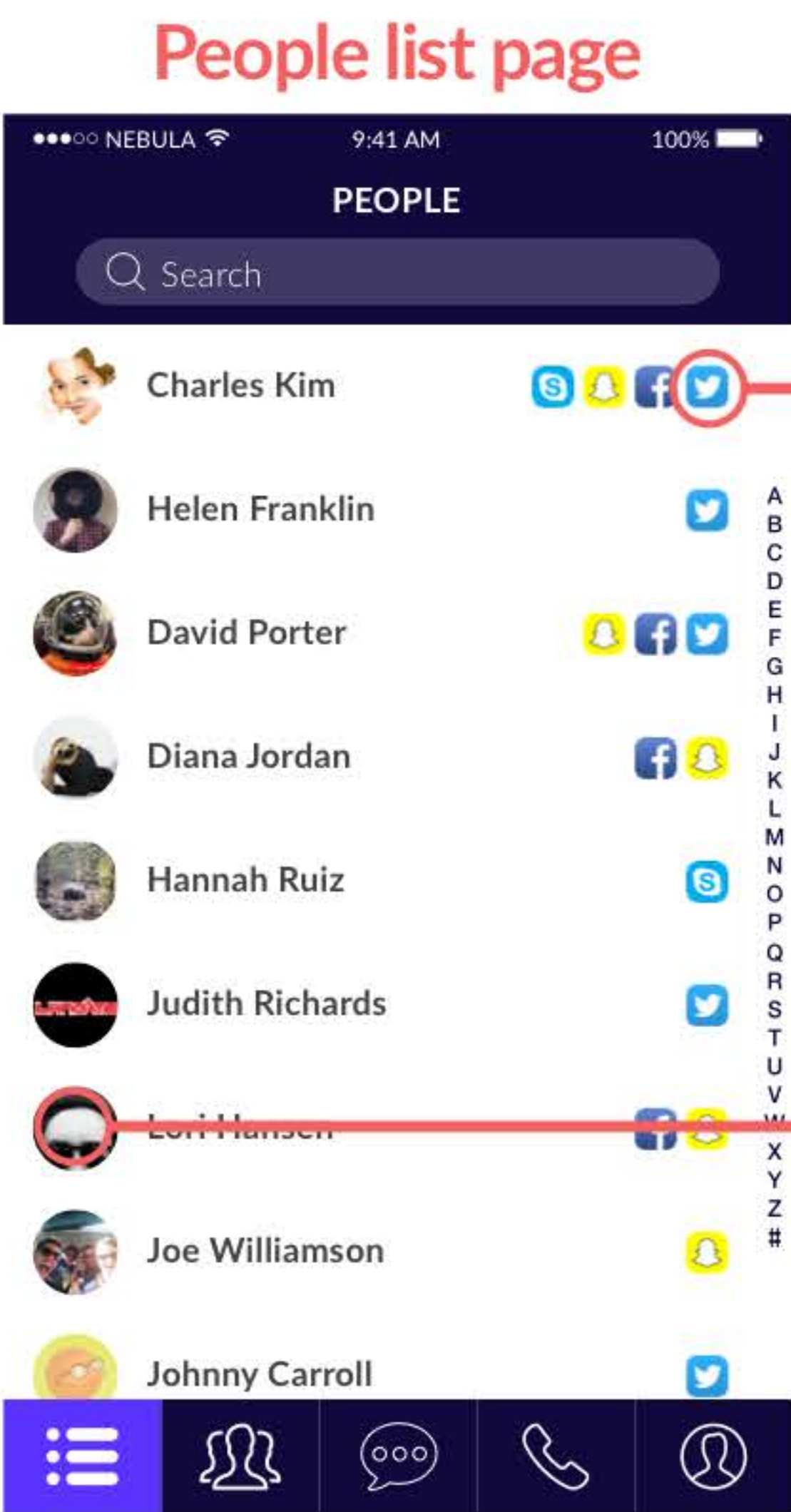
MATTHEW FARMER, JUSTIN McKISSICK, SANG OUK KIM,
MANO BARKOVICS, SIM SINGH, CHAN IM, SEAN TAN

MESSENGER APP (Messages + Caller Apps)

Conversations page

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋
CONVERSATIONS
🔍 Search

Susan Fuller   9:39 AM
Tousled food truck polaroid, sal.

Howard Jimenez   9:31 AM
Bushwick meh Blue Bottle pork be.

Elizabeth Castillo   9:22 AM
Kogi Cosby sweater ethical squid.

Marie Butler   8:44 AM
Keytar McSweeney's Williamsburg..

Larry Gutierrez   8:35 AM
Fixie tote bag ethnic keytar. Ne.

Brandon Pierce   7:51 AM
Retro occupy organic, stumptown.

Jerry Barnett   7:50 AM
Fixie tote bag ethnic keytar. Ne.

George Rivera   6:28 AM
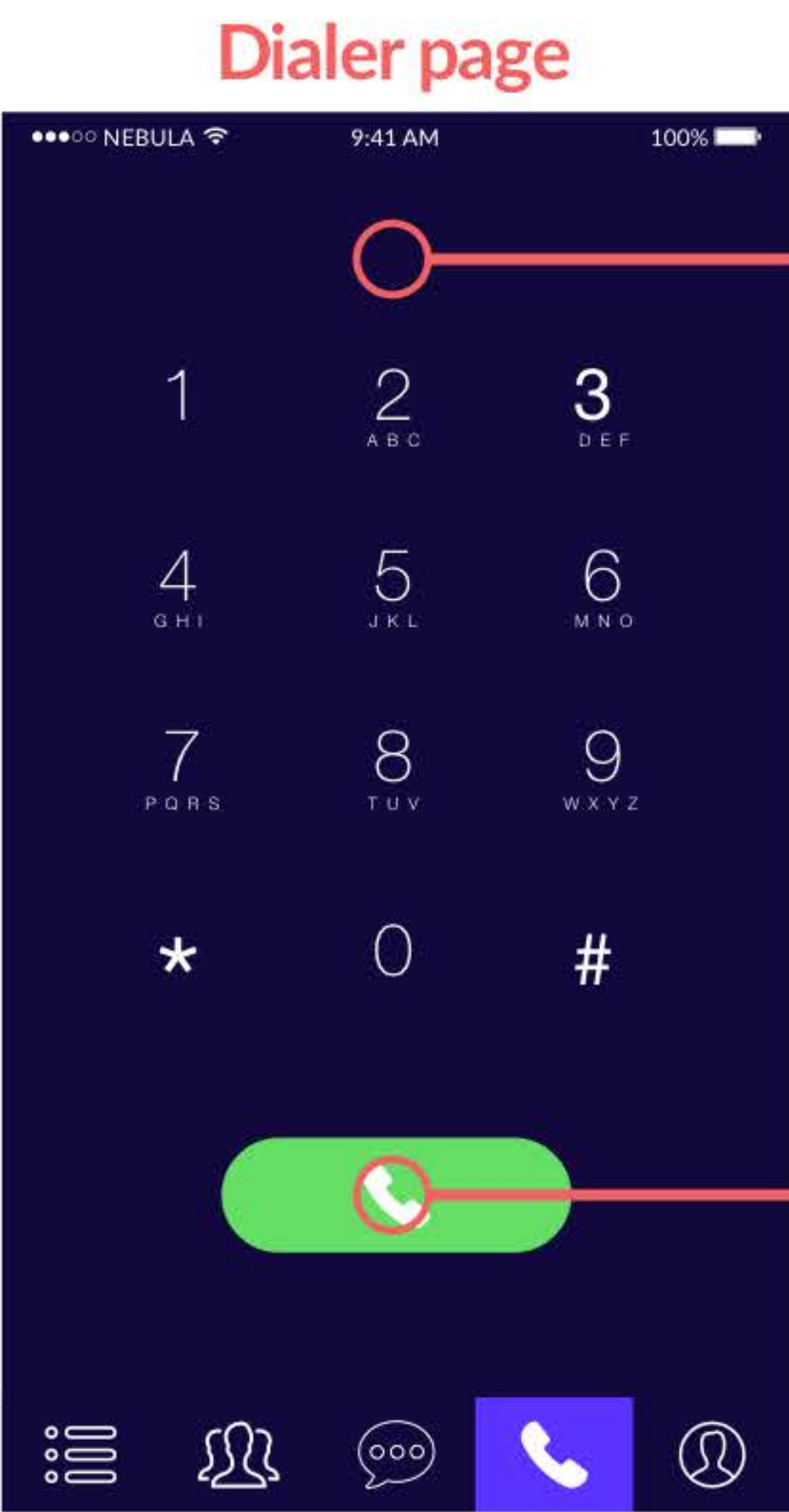Kogi Cosby sweater ethical squid.

Chat integration with third part applications, to act as a hub for all messaging and communication.

Visual differentiation between messages that have been viewed, and those that have not.
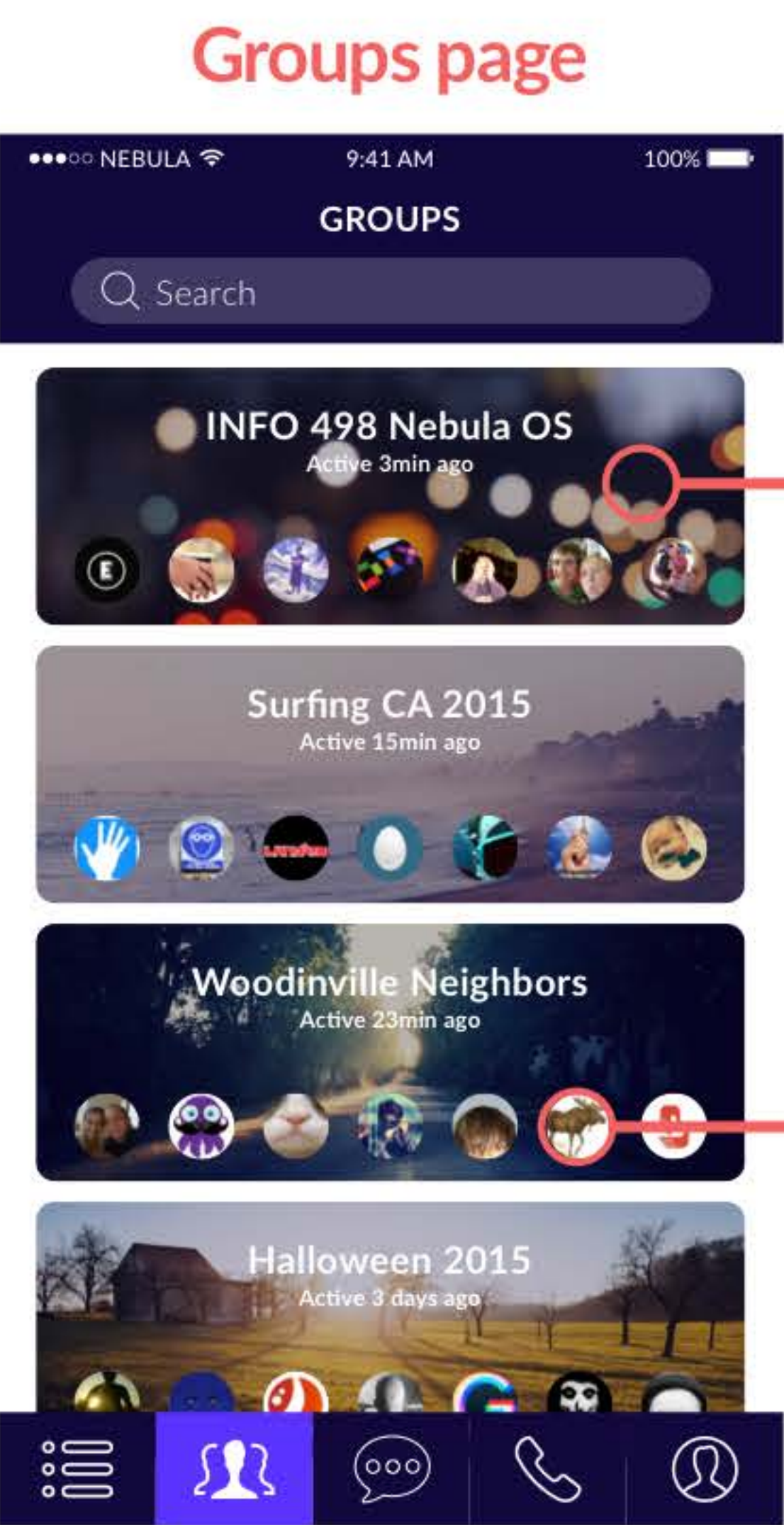
People list page

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋
PEOPLE
🔍 Search

Charles Kim

Helen Franklin

David Porter

Diana Jordan

Hannah Ruiz

Judith Richards

Lori Hansen

Joe Williamson

Johnny Carroll

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

Lists different third party applications that are associated with each contact.

Tapping on a contact will launch the more detailed contacts app.

Dialer page

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋

1   2 ABC   3 DEF
4 GHI   5 JKL   6 MNO
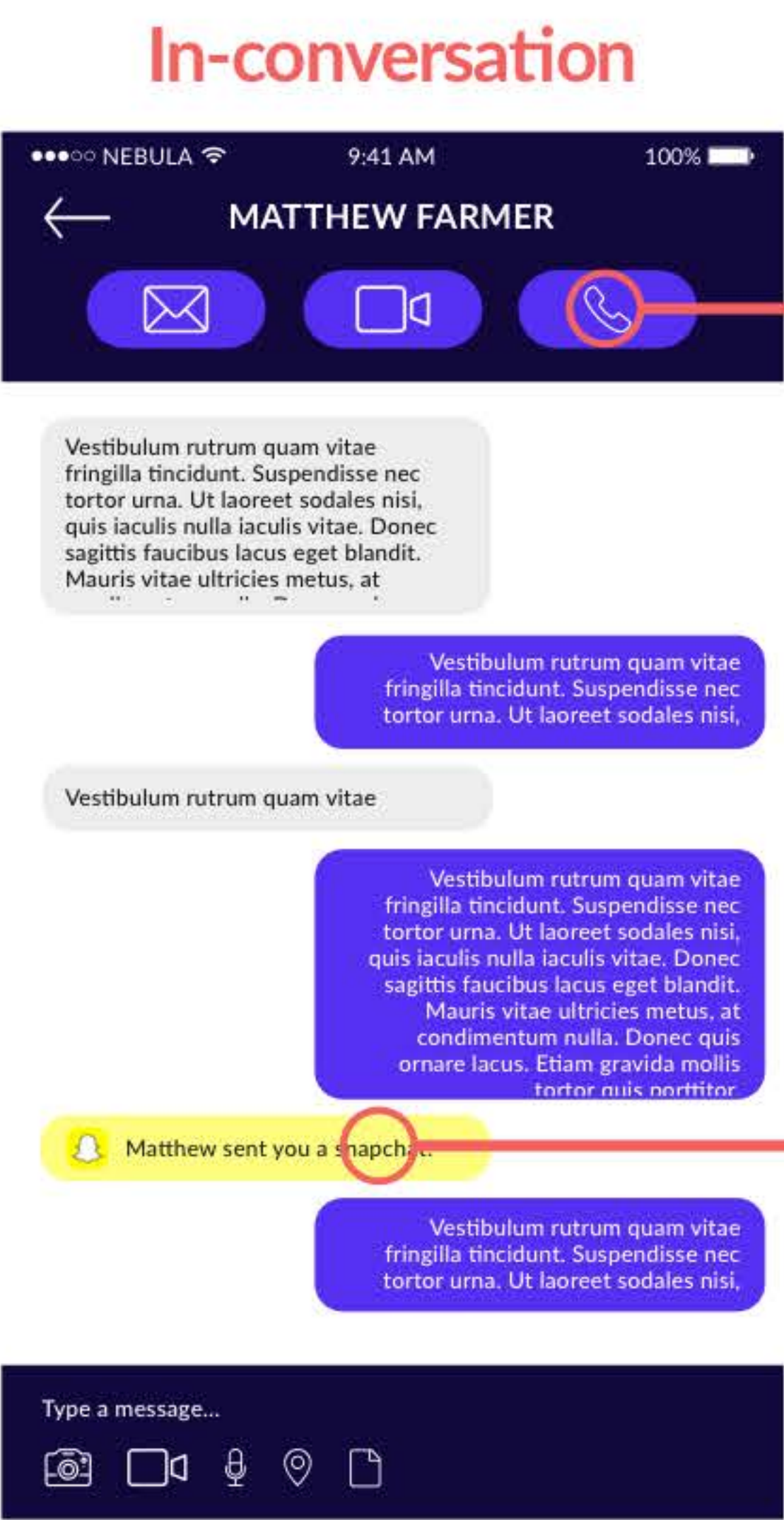7 PQRS   8 TUV   9 WXYZ
*   0   #

Phone number field with backspace button that only appears when you have typed something in.

Simple, green call button as the only action button on this page.

Groups page

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋
GROUPS
🔍 Search

INFO 498 Nebula OS
Active 3min ago

Surfing CA 2015
Active 15min ago

Woodinville Neighbors
Active 23min ago

**Halloween 2015**
Active 3 days ago

Lists group conversations, pulled from third party applications as well as the native messenger.

Loads profile information from these group conversations

In-conversation

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋
← MATTHEW FARMER
✉️   📹   📞

Vestibulum rutrum quam vitae fringilla tincidunt. Suspendisse nec tortor urna. Ut laoreet sodales nisi, quis iaculis nulla iaculis vitae. Donec sagittis faucibus lacus eget blandit. Mauris vitae ultricies metus, at

Vestibulum rutrum quam vitae fringilla tincidunt. Suspendisse nec tortor urna. Ut laoreet sodales nisi,

Vestibulum rutrum quam vitae

Vestibulum rutrum quam vitae fringilla tincidunt. Suspendisse nec tortor urna. Ut laoreet sodales nisi, quis iaculis nulla iaculis vitae. Donec sagittis faucibus lacus eget blandit. Mauris vitae ultricies metus, at condimentum nulla. Donec quis ornare lacus. Etiam gravida mollis tortor quis porttitor.

🔔 Matthew sent you a snapchat.

Vestibulum rutrum quam vitae fringilla tincidunt. Suspendisse nec tortor urna. Ut laoreet sodales nisi,

Type a message...
📷 📹 🎤 📍 📄

Three quick-access buttons that allows for rapid communication: email, video conference, and call.
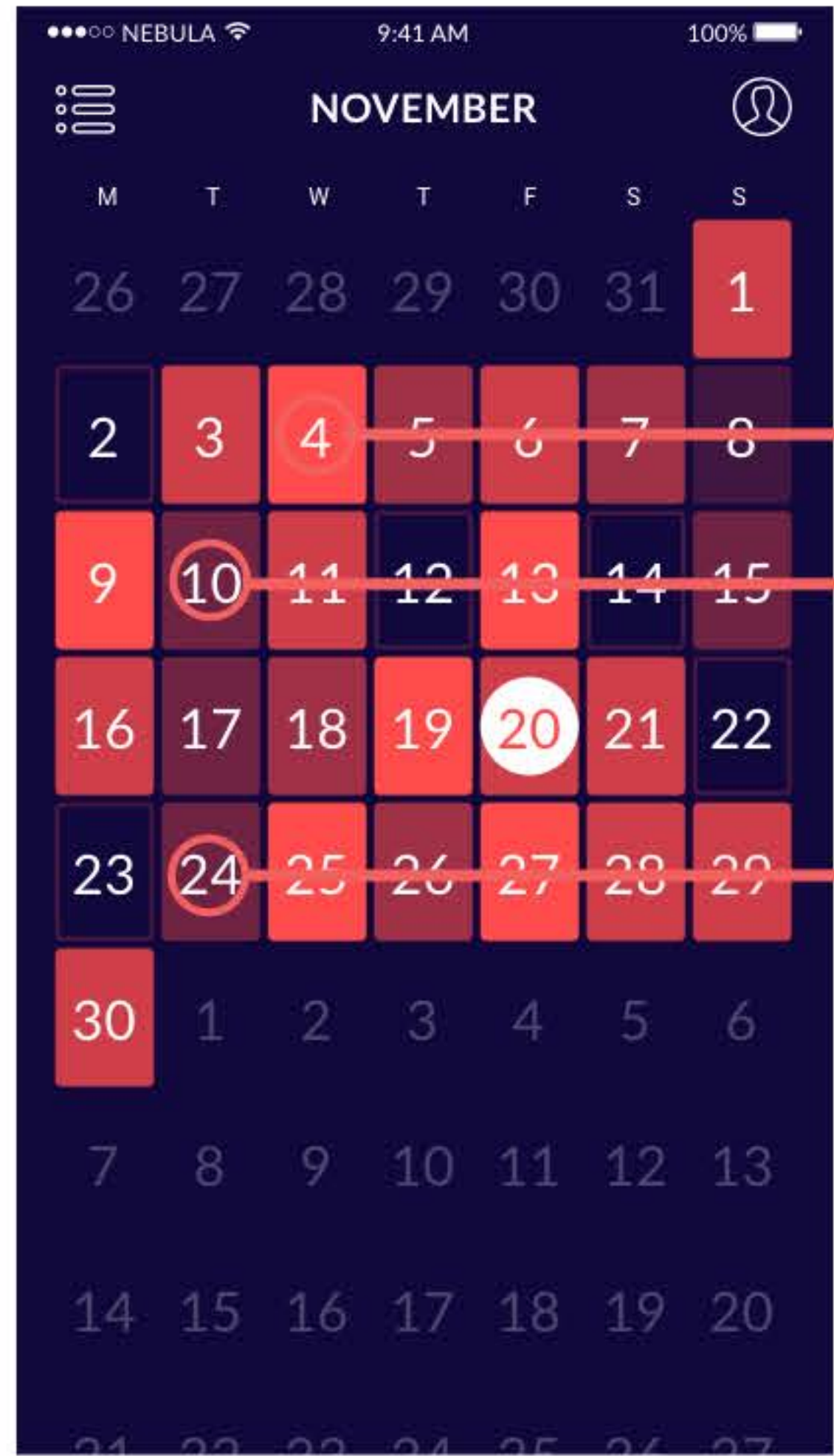
Conversations feature messages across platforms and applications, all in one convenient place.

Account page

●●●○○ NEBULA 🛜   9:41 AM   100% 🔋
JUSTIN MCKISSICK

▶️ 🐦 👻 🟦 f 🟩

Add Channels   Edit Channels
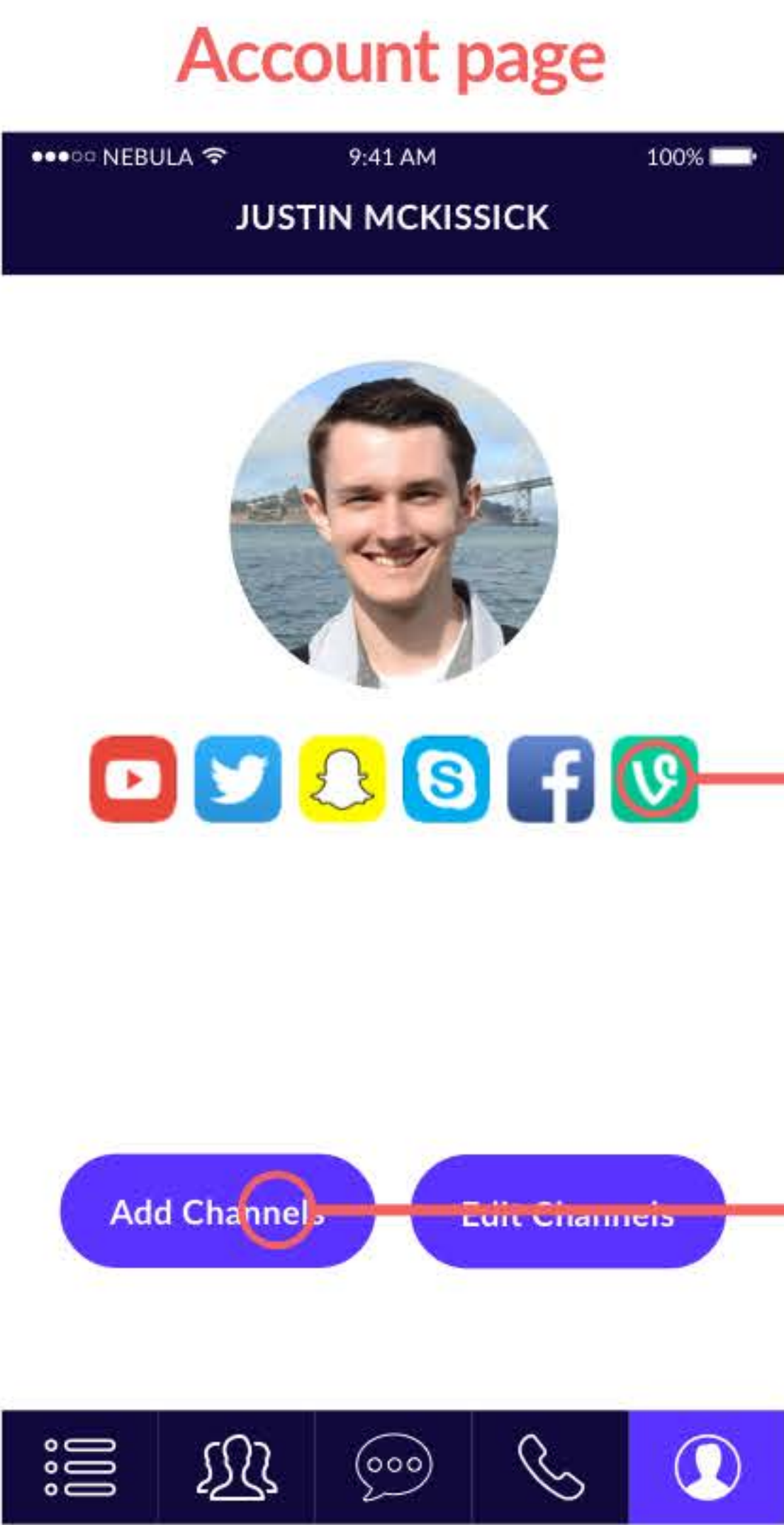
Different social media accounts that are associated with your messenger account can be toggled on/off.

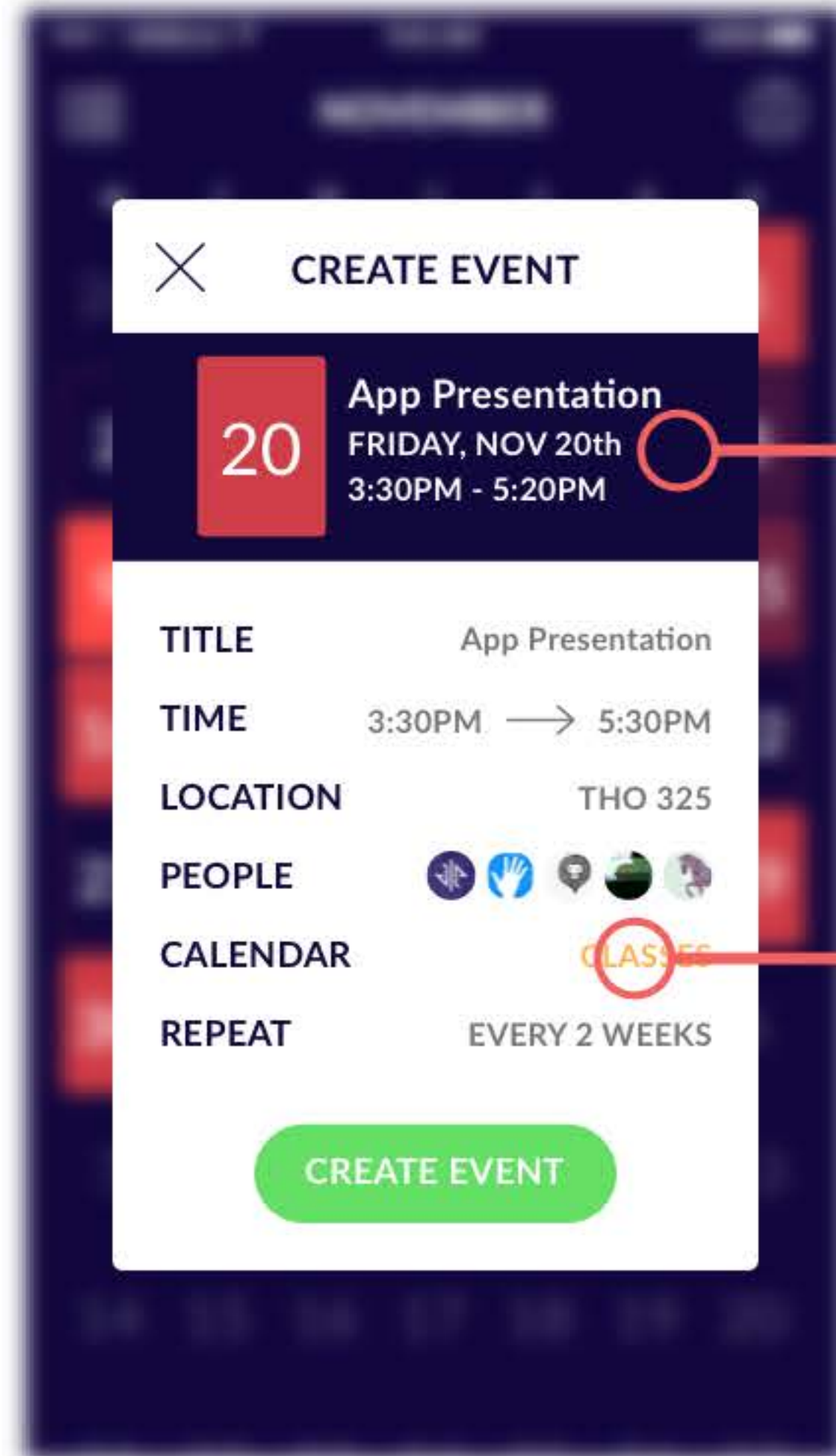14 different social media accounts and services are currently supported.

EVENTS APP (Calendar + Tasks Apps)

Calendar month view

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

NOVEMBER

M	T	W	T	F	S	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

Many events on this day.

Few events on this day.

Heat map system for displaying how many events are on a certain day with a quick glance.

Create event modal

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

NOVEMBER

✕ **CREATE EVENT**

20 | App Presentation
FRIDAY, NOV 20th
3:30PM - 5:20PM

TITLE	App Presentation
TIME	3:30PM ⟶ 5:30PM
LOCATION	THO 325
PEOPLE	🔵🔵🔵⚫🔵
CALENDAR	CLASSES
REPEAT	EVERY 2 WEEKS
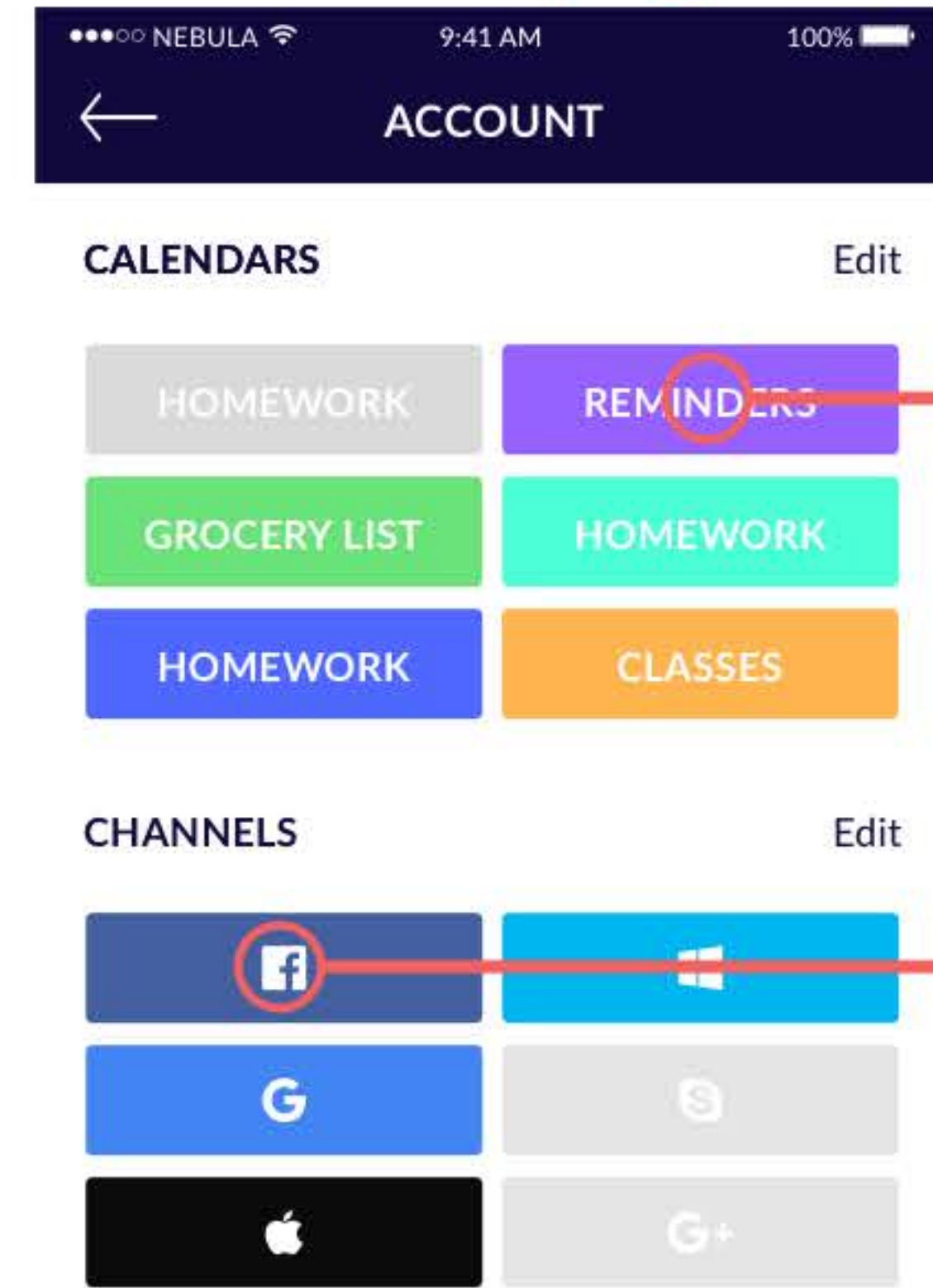
CREATE EVENT

Shows a live preview of the information for the event you are creating.

Events can be assigned to a particular calendar or list group, which are color coordinate on the screen.

Account page

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

← **ACCOUNT**

CALENDARS Edit

HOMEWORK	REMINDERS
GROCERY LIST	HOMEWORK
HOMEWORK	CLASSES

CHANNELS Edit

f	⊞
G	skype
🍎	G+

Easily toggle different calendar that you want to display.

A similar system exists for all events and tasks created through third-party app "channels".
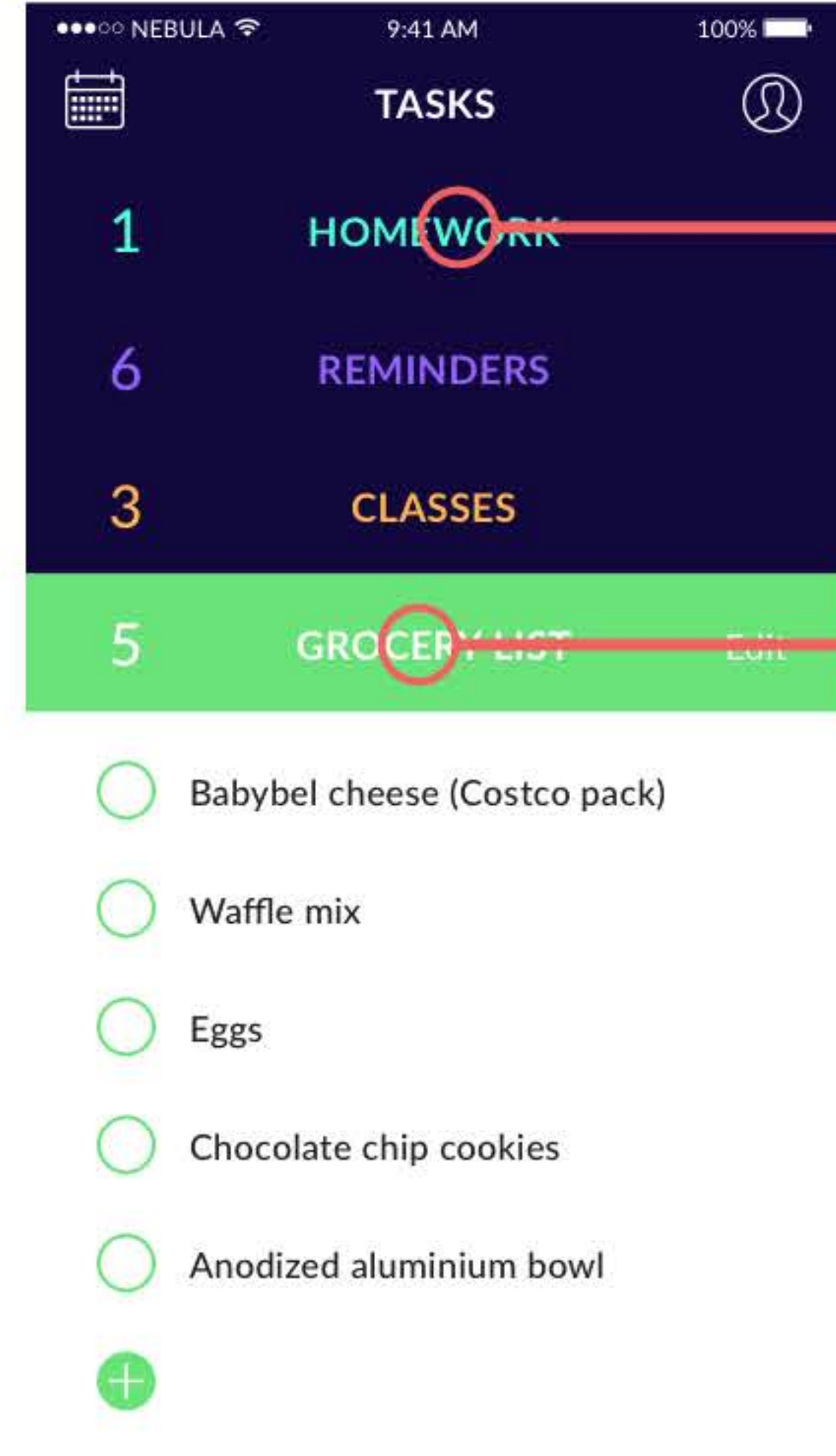
Calendar weekly view

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

FRI, NOV 20th

M	T	W	T	F	S	S
16	17	18	19	20	21	22

11 AM	INFO 360 MGH 321 10:30PM - 11:20PM
12 PM	
1 PM	Lunch with Jason and Alexa Chipotle 12:20PM - 1:40PM
2 PM	
3 PM	
4 PM	INFO 498 Sprint 3 THO 325 Presentation 3:30PM - 5:20PM
5 PM	
6 PM	Spectre AMC Pacific Place 6:30PM - 9:30PM
7 PM	
8 PM	

Currently selected day expands from the week slider.

Events are created in-app, or are synced from third-party applications.

Tasks list expanded

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

📅 **TASKS**

1	HOMEWORK
6	REMINDERS
3	CLASSES
5	GROCERY LIST Edit

○ Babybel cheese (Costco pack)
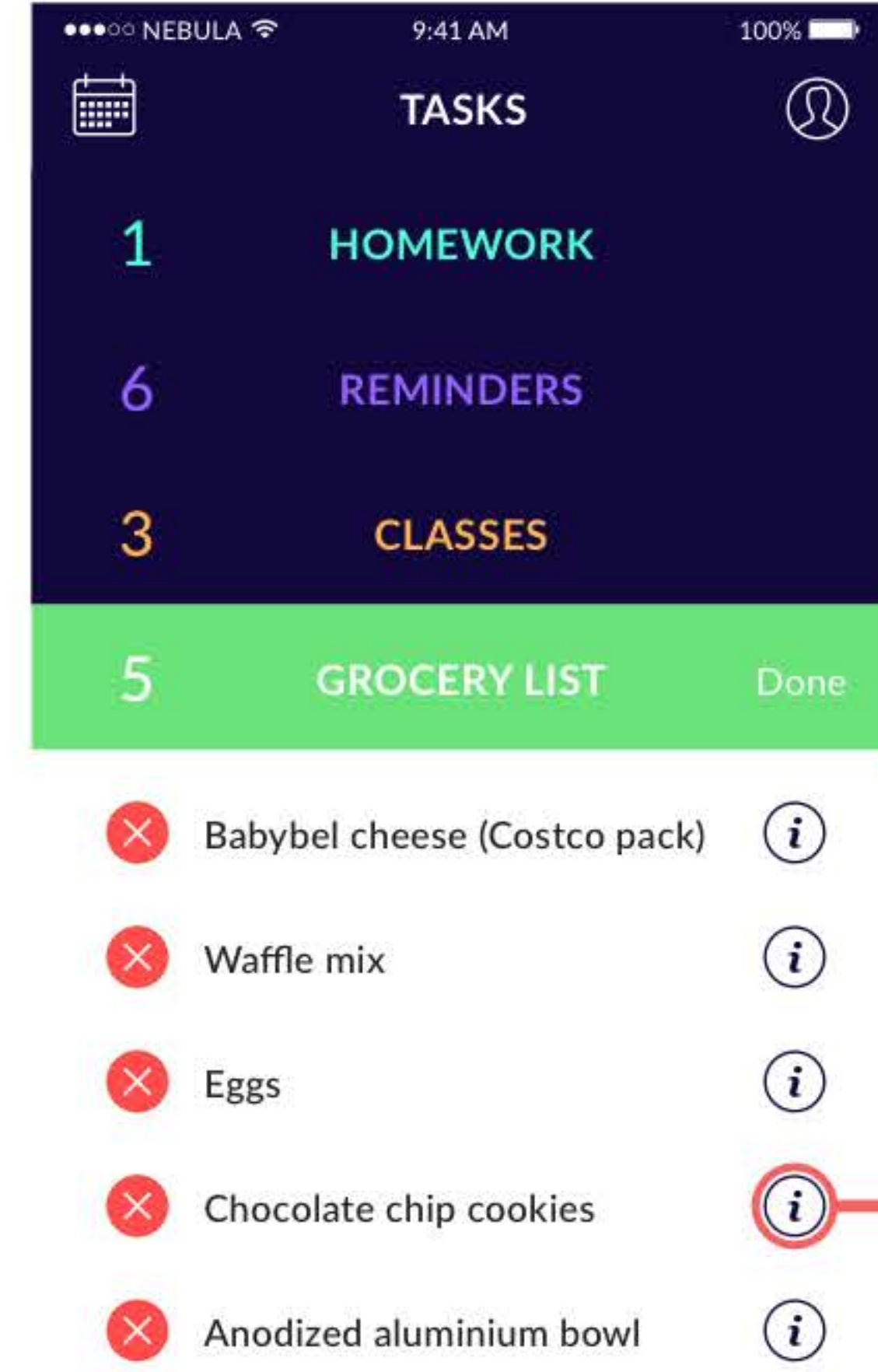○ Waffle mix
○ Eggs
○ Chocolate chip cookies
○ Anodized aluminium bowl
⊕

Task lists are also color coordinated, and match with their calendar counterparts on the calendar view screen.

Expanded list shows different items that you are able to interact with.

Edit list page

●●●○○ NEBULA 📶 9:41 AM 100% 🔋

📅 **TASKS**

1	HOMEWORK
6	REMINDERS
3	CLASSES
5	GROCERY LIST Done

✕ Babybel cheese (Costco pack) ⓘ
✕ Waffle mix ⓘ
✕ Eggs ⓘ
✕ Chocolate chip cookies ⓘ
✕ Anodized aluminium bowl ⓘ

Tapping this icon will bring up more information about the task, such as timed reminders or its importance level.

HEALTH APP

Health overview page
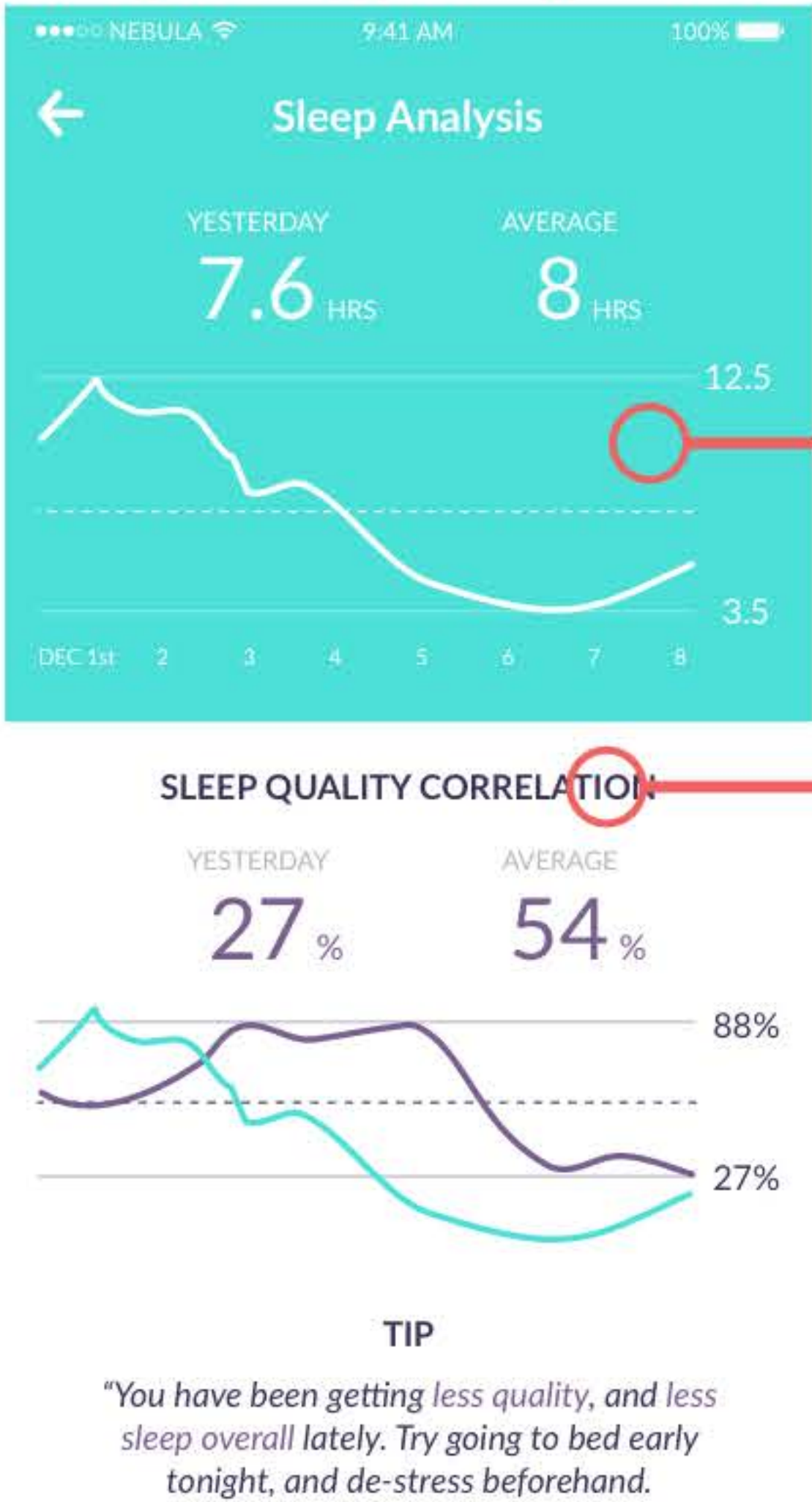
●●●○○ NEBULA 🛜   9:41 AM   100% ▭

HEALTH   Edit

85
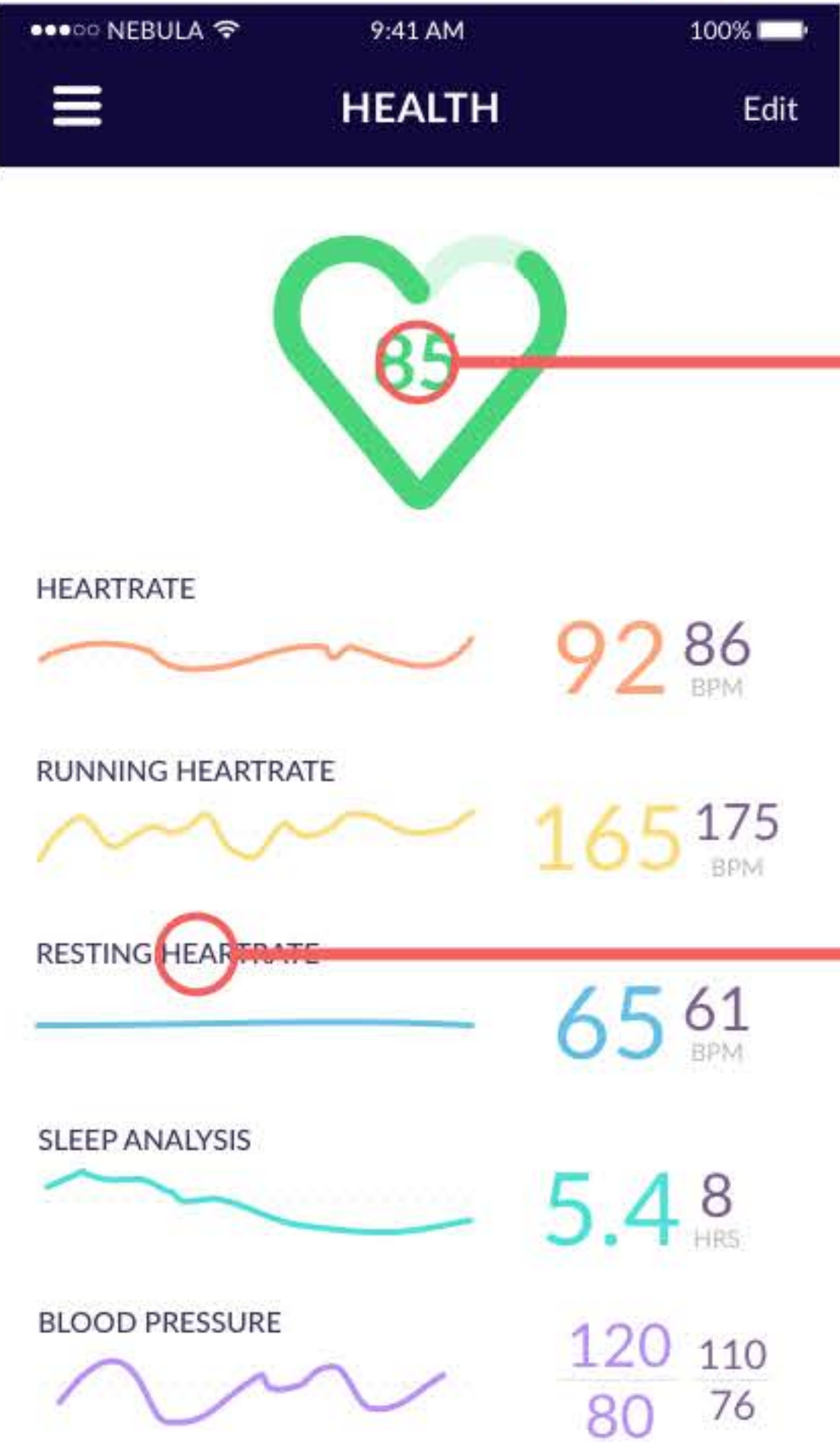
Shows your overall health score, based on a variety of biological data.

HEARTRATE
92 86 BPM

RUNNING HEARTRATE
165 175 BPM

RESTING HEARTRATE
65 61 BPM

Several different health data sets can be tracked, such as your resting heartrate; displaying both the current data point, and the average over time.

SLEEP ANALYSIS
5.4 8 HRS

BLOOD PRESSURE
120 110
80 76

Sleep analysis expanded

●●●○○ NEBULA 🛜   9:41 AM   100% ▭

← **Sleep Analysis**

YESTERDAY
7.6 HRS

AVERAGE
8 HRS

12.5

3.5

DEC 1st   2   3   4   5   6   7   8

Graphs show visually how certain data tracked changes over time.

SLEEP QUALITY CORRELATION

YESTERDAY
27 %

AVERAGE
54 %

88%

27%

TIP

"You have been getting less quality, and less sleep overall lately. Try going to bed early tonight, and de-stress beforehand.

Viewing more detailed data about a statistic can also show different, related data points that might be relevant. In this case, the correlation between time asleep and how good that sleep really was.

Diet overview page

●●●○○ NEBULA 🛜   9:41 AM   100% ▭

DIET   Edit
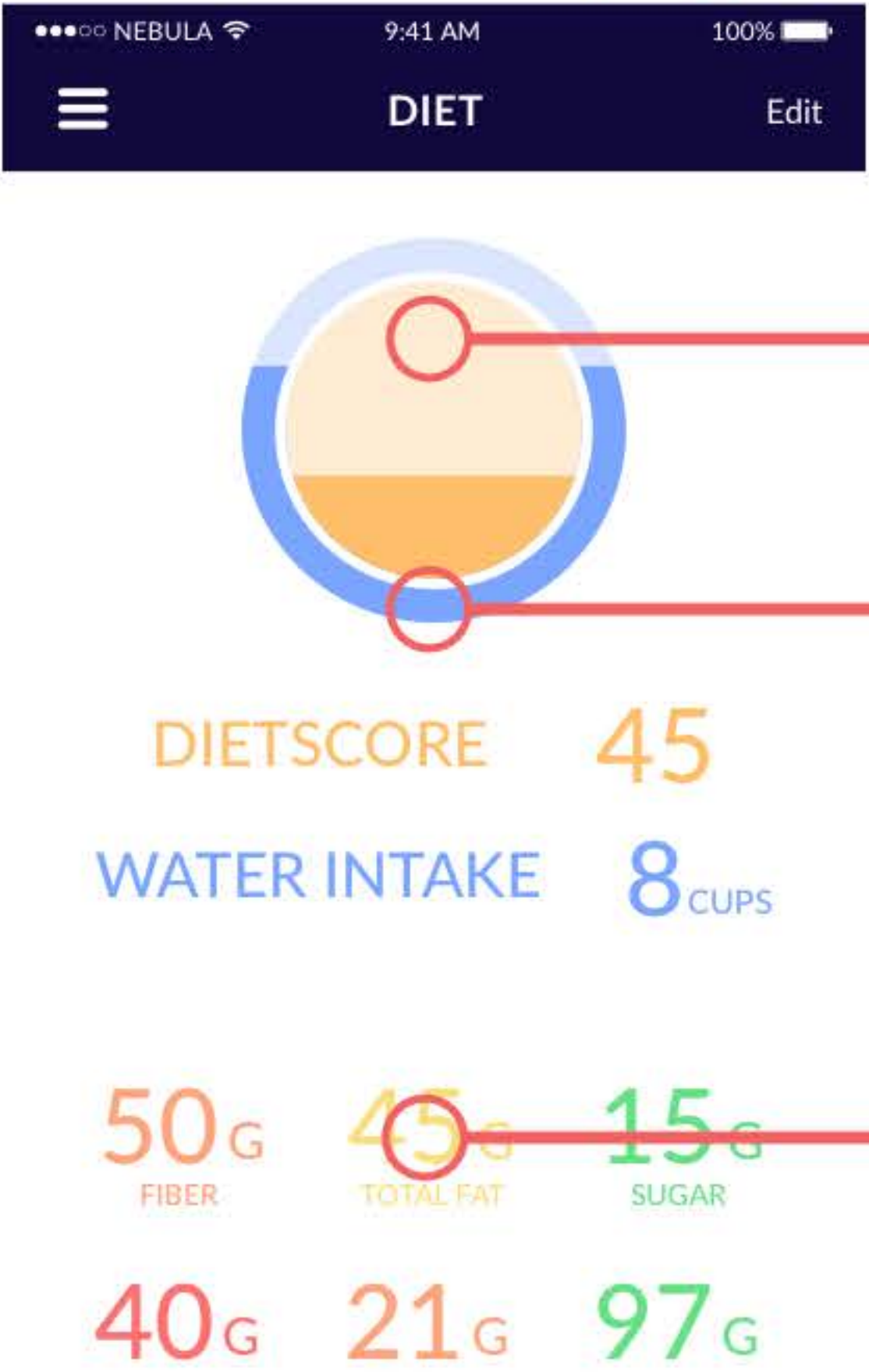
The center circle tracks nutrition throughout the day.

The outer circle tracks water consumed throughout the day.

DIETSCORE   45

WATER INTAKE   8 CUPS

50 G **FIBER**   45 G **TOTAL FAT**   15 G **SUGAR**

40 G   21 G   97 G

Different food nutritional statistics can be tracked through the user inputting what they eat; either through manual input or object recognition by taking a picture of it with their smartphone.

Daily fitness page

●●●○○ NEBULA 🛜   9:41 AM   100% ▭

FITNESS   Edit

A set of rings inspired by the Apple Watch, which motivate people to get a full set of 3 different varieties of physical activity per day.

1 HRS **LEISURE**   1.3 HRS **ACTIVE**   30 MIN **RIGOROUS**

ACTIVITY LOG

11 AM

12 PM

Different types of activities are tracked throughout the day, and logged here; color-coded based on activity.

Daily fitness (scrolled down)

●●●○○ NEBULA 🛜   9:41 AM   100% ▭

FITNESS   Edit

1 HRS **LEISURE**   1.3 HRS **ACTIVE**   30 MIN **RIGOROUS**

ACTIVITY LOG

11 AM

12 PM

1 PM

2 PM

3 PM

4 PM

This activity log tracks groups of activities over the past 24 hours.

Daily overview page

●●●○○ NEBULA 🛜   9:41 AM   100% ▭

DAILY   Edit

85
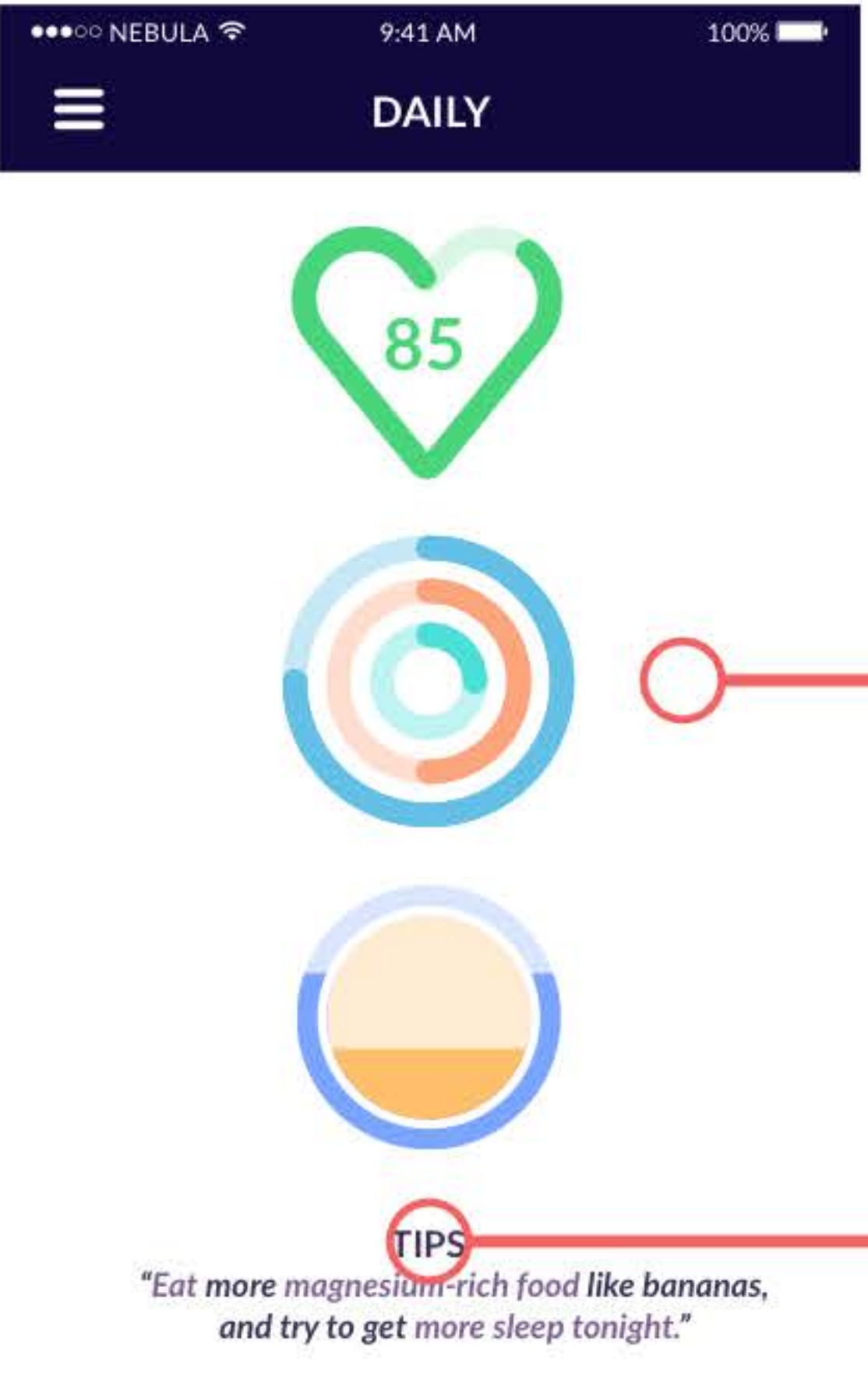
Quick view of the three types of aggregate data meters in this application gives you a comprehensive view of your personal well-being.

TIPS

"Eat more magnesium-rich food like bananas, and try to get more sleep tonight."

Data is then presented to the user in easy to understand "tips" of how to improve their health.

PHOTOS APP

Albums page

MY ALBUM ∨

ALBUMS   PHOTOS

Europe Trip (75)   December. 2015

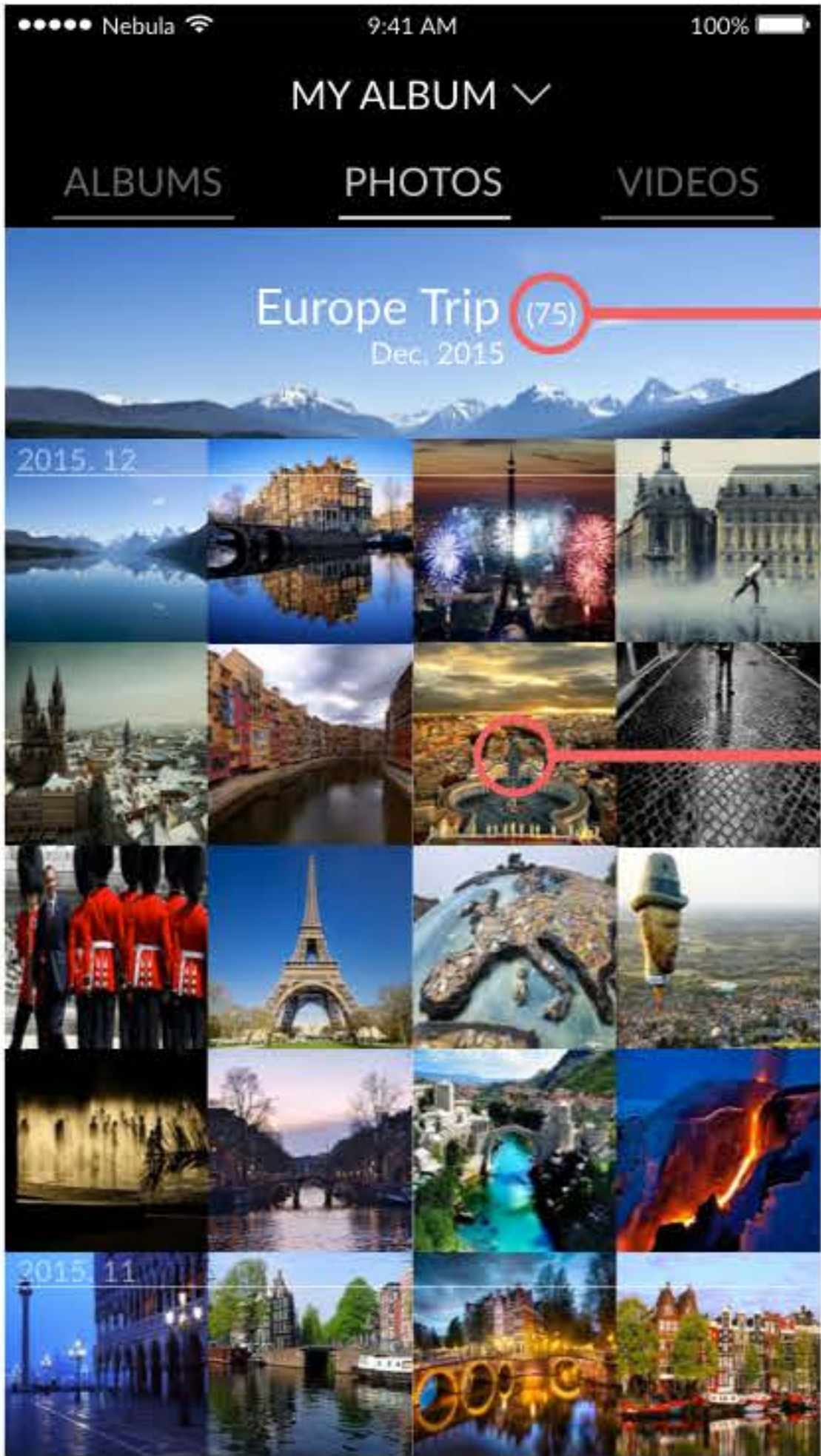Korea Trip (133)   June. 2015

Design Discussion (18)   April 2015

Swipe between your albums, photos, and videos categorically.

Tapping the cover photo of an album reveals the rest of the picutres in it.

Photos within album

MY ALBUM ∨

ALBUMS   PHOTOS   VIDEOS

Europe Trip (75)
Dec. 2015

2015. 12

2015. 11

The number of photos that are in the album are listed next to the title.

Tapping an individual photo in the album reveals the picture fullscreen.

Photo selected view

Dec. 21. 2015
Amsteram, Netherlands

EDIT   SHARE

Share the current photo over your linked social media accounts, or via messenger.

Menu toggled

MY ALBUM ∧

CAMERA

PRIVATE ALBUM

SETTINGS

Europe Trip (75)   December. 11. 2015

Korea Trip (133)   June. 9. 2015

Design Discussion (18)   April. 31. 2015
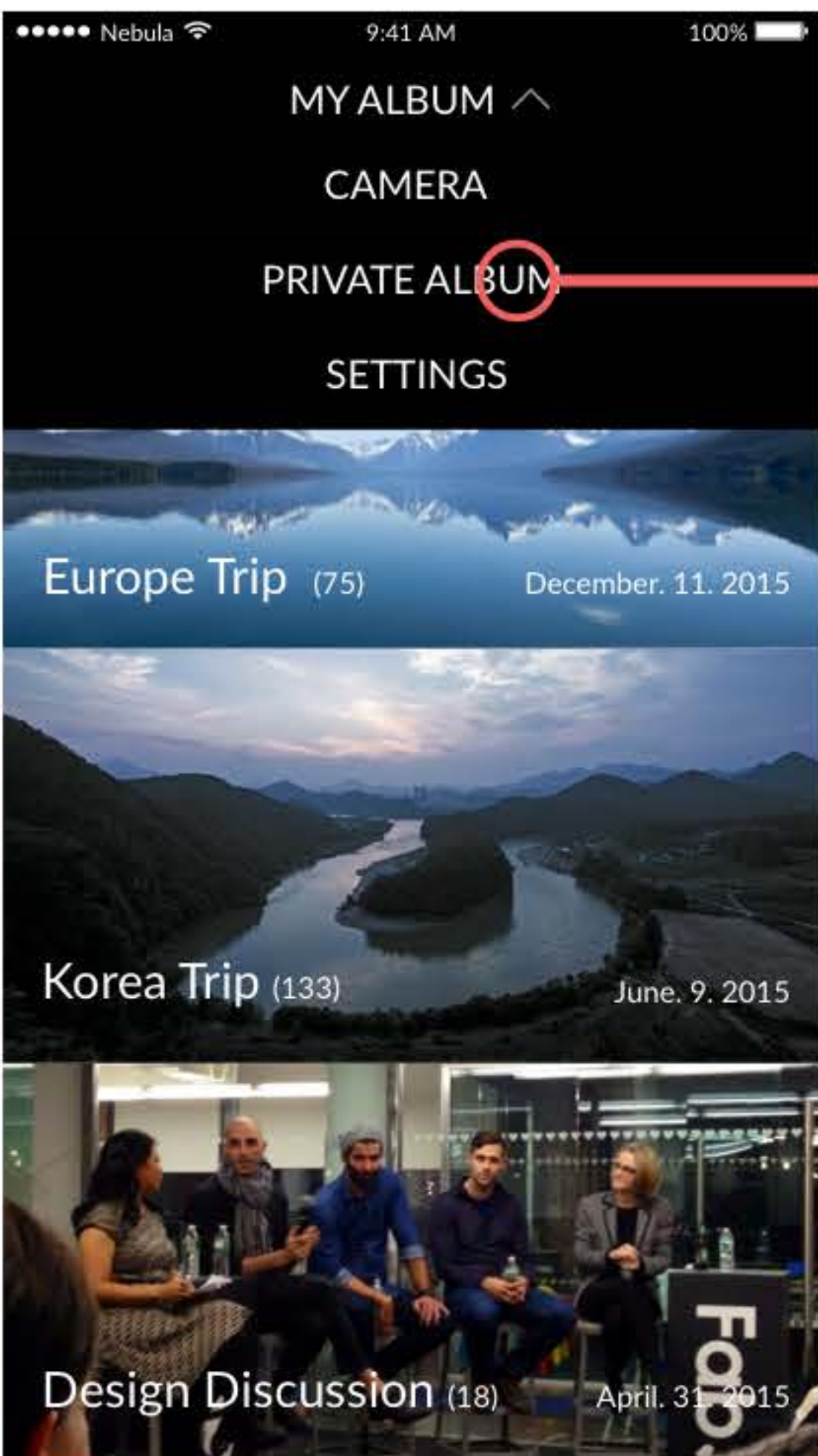
Different top-level navigation options are available by tapping on the current screen title.

Private album unlock

MY ALBUM ∧

CAMERA

PRIVATE ALBUM

SETTINGS

Europe Trip

Korea Trip

PLACE YOUR FINGERPRINT

ENTER PASSWORD

Design Discussion (18)   April. 3
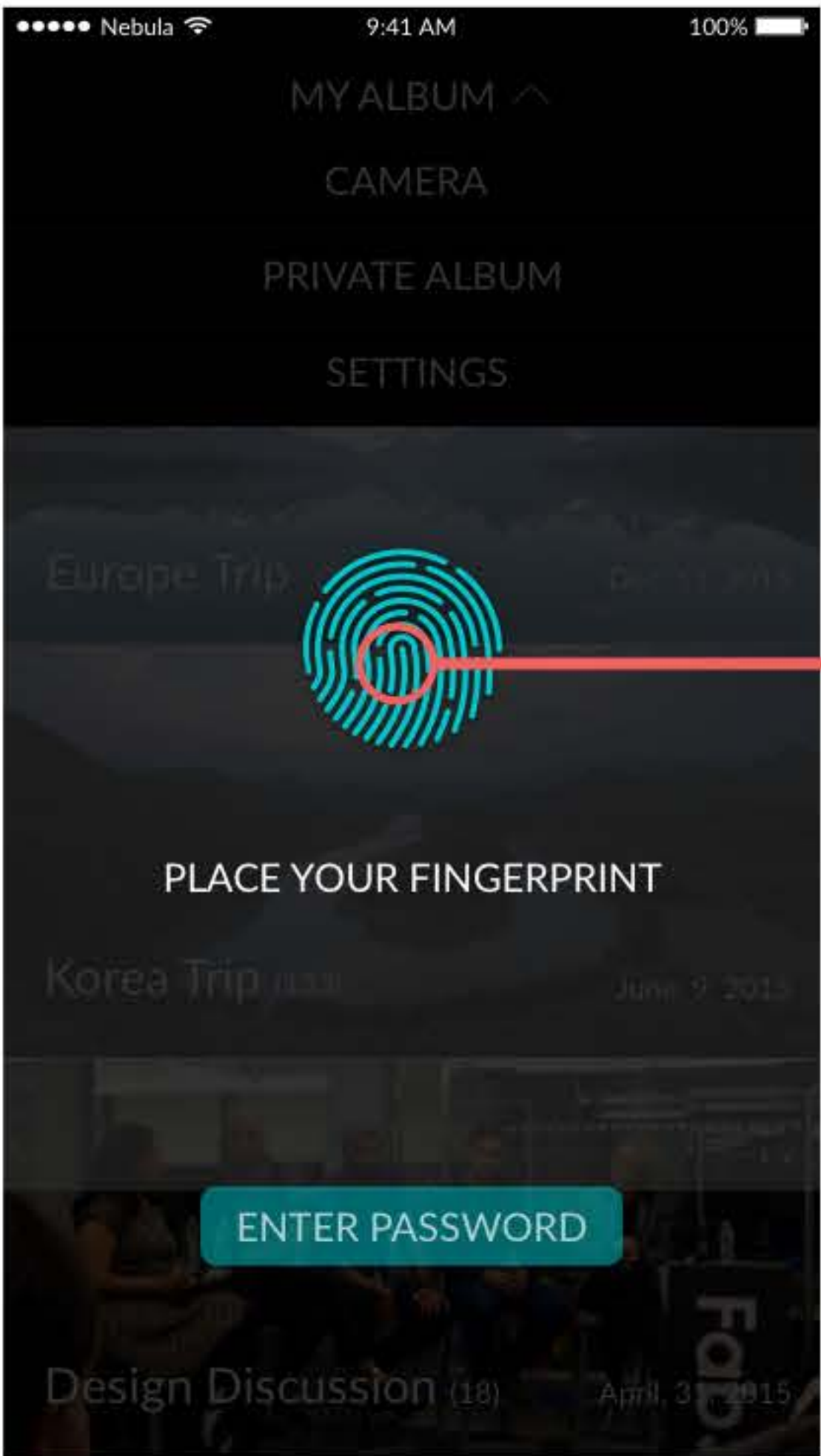
Unlocking a private album can be done via biometric scanner, or a traditional password field.

Secret albums page

PRIVATE ALBUM ∨

ALBUMS   PHOTOS

Besties (5)   November. 13. 2015

Adam's Bday (77)   June. 9. 2015

My Design Ideas (277) March. 9. 2013

Know that you are in a private album with the lock icon at the top next to the album name.

CLOCK APP

Clock page
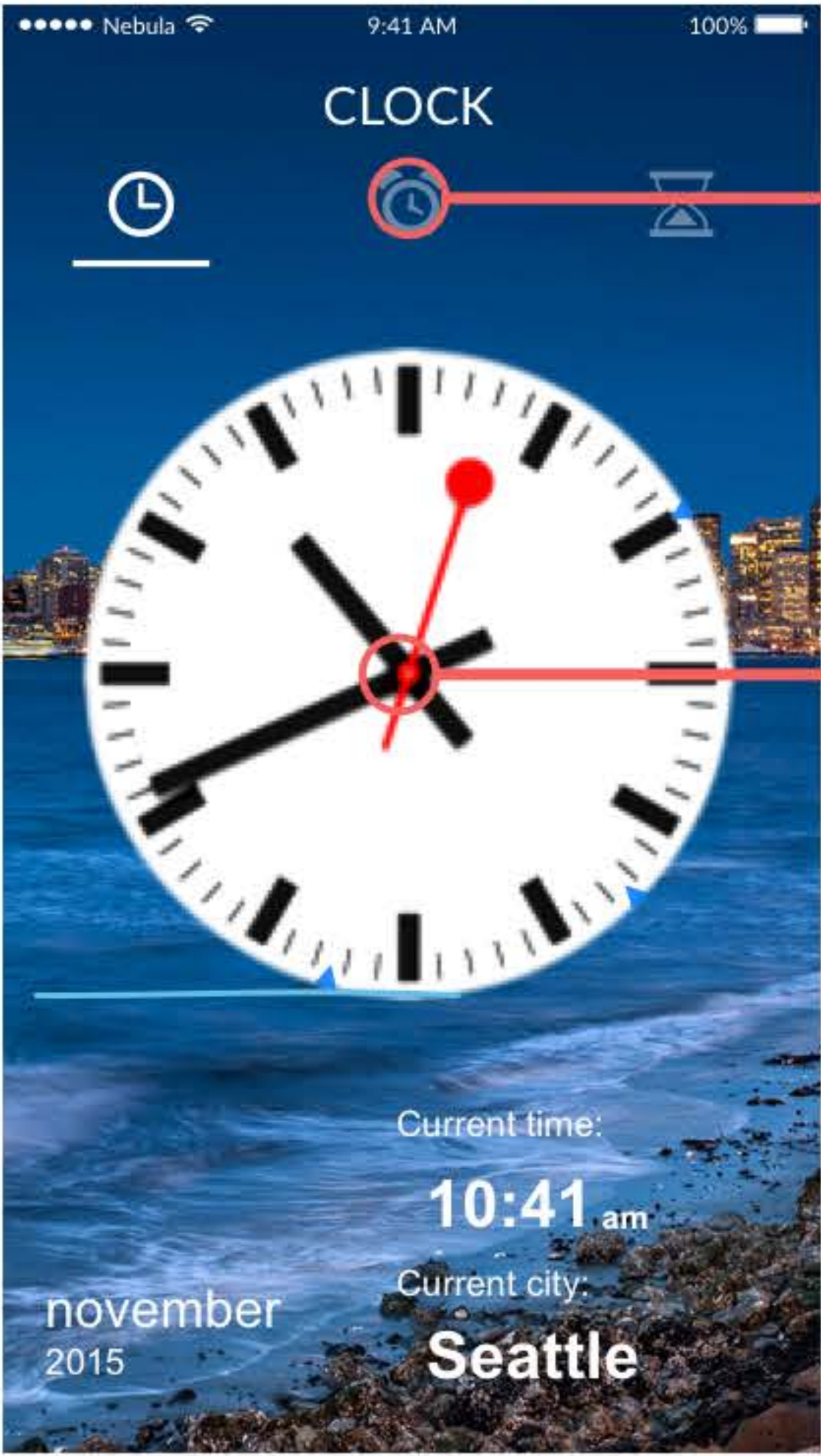
Swipe between your clocks, alarms, and stopwatch pages.

This clock design was inspired by the Mondaine Swiss Railway Watchface.

Alarm page

Add different alarms, or edit your existing ones by tapping their respective buttons on this bar.

Alarm set page
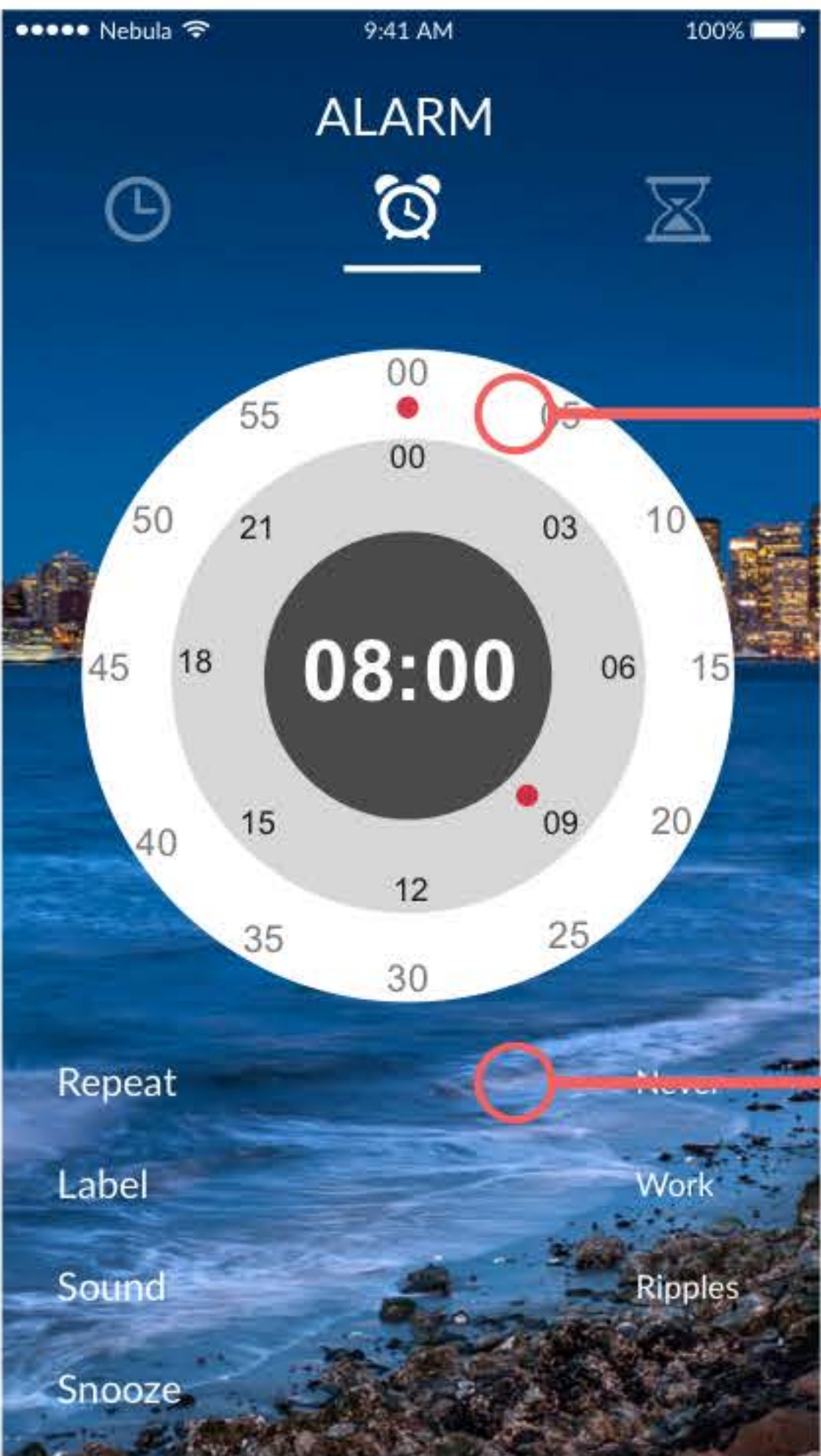
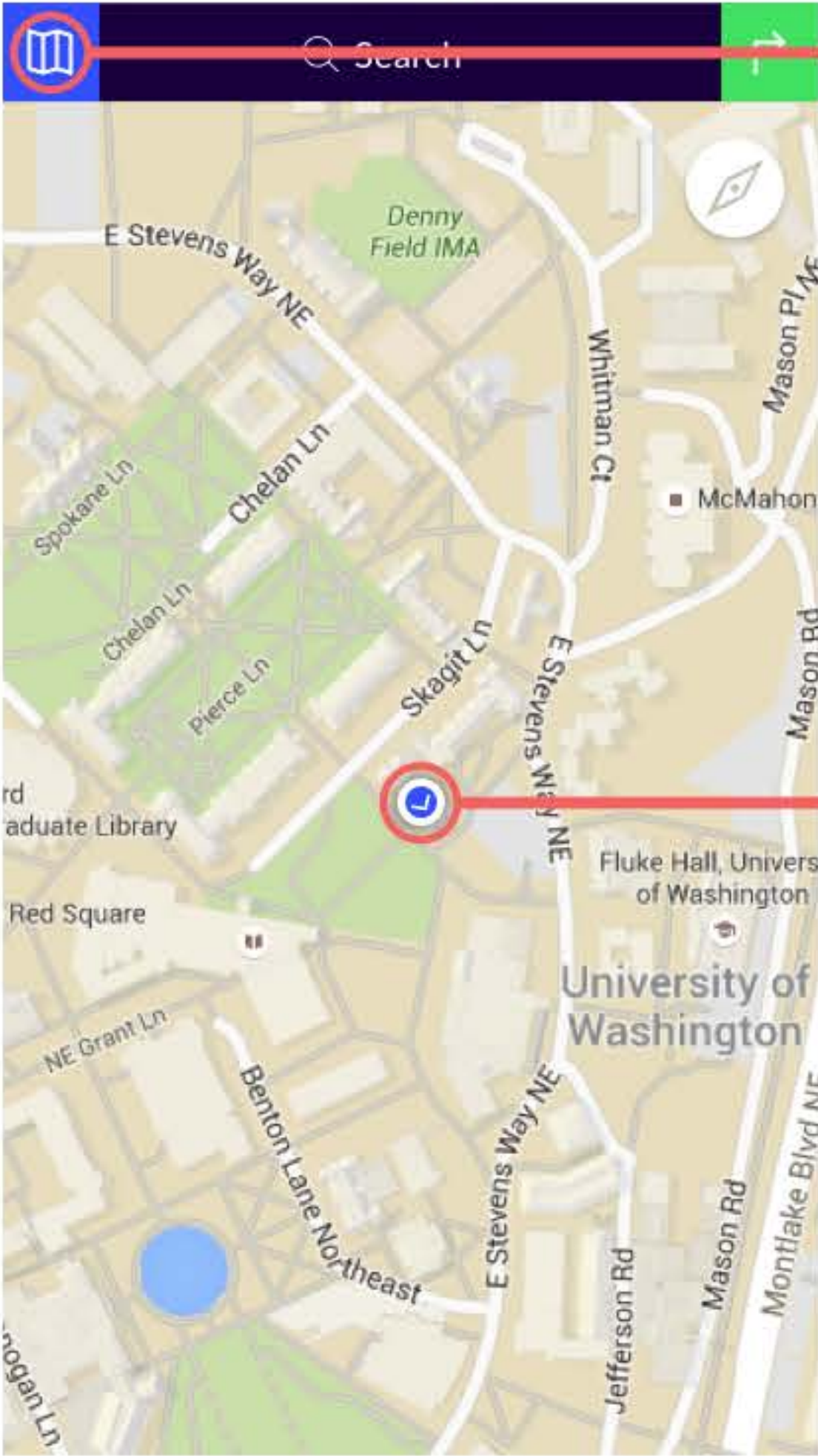Rotate three different dials on the alarm to set different time intervals.

Set additionals options such as the sound and whether the alarm should repeat or not at the bottom of the page.

Stopwatch page

Using a digital-analog combination called "Digilog", you have two different ways of viewing the time on your stopwatch.

MAPS APP

Main map view

Filter information displayed on the map through layer control.

Your location, visualized as a blue dot with an arrow in the direction you are currently facing.

Selected location view

I See Food
900 feet
★ ★ ★ ★ ★
72 reviews on Yelp

Photos
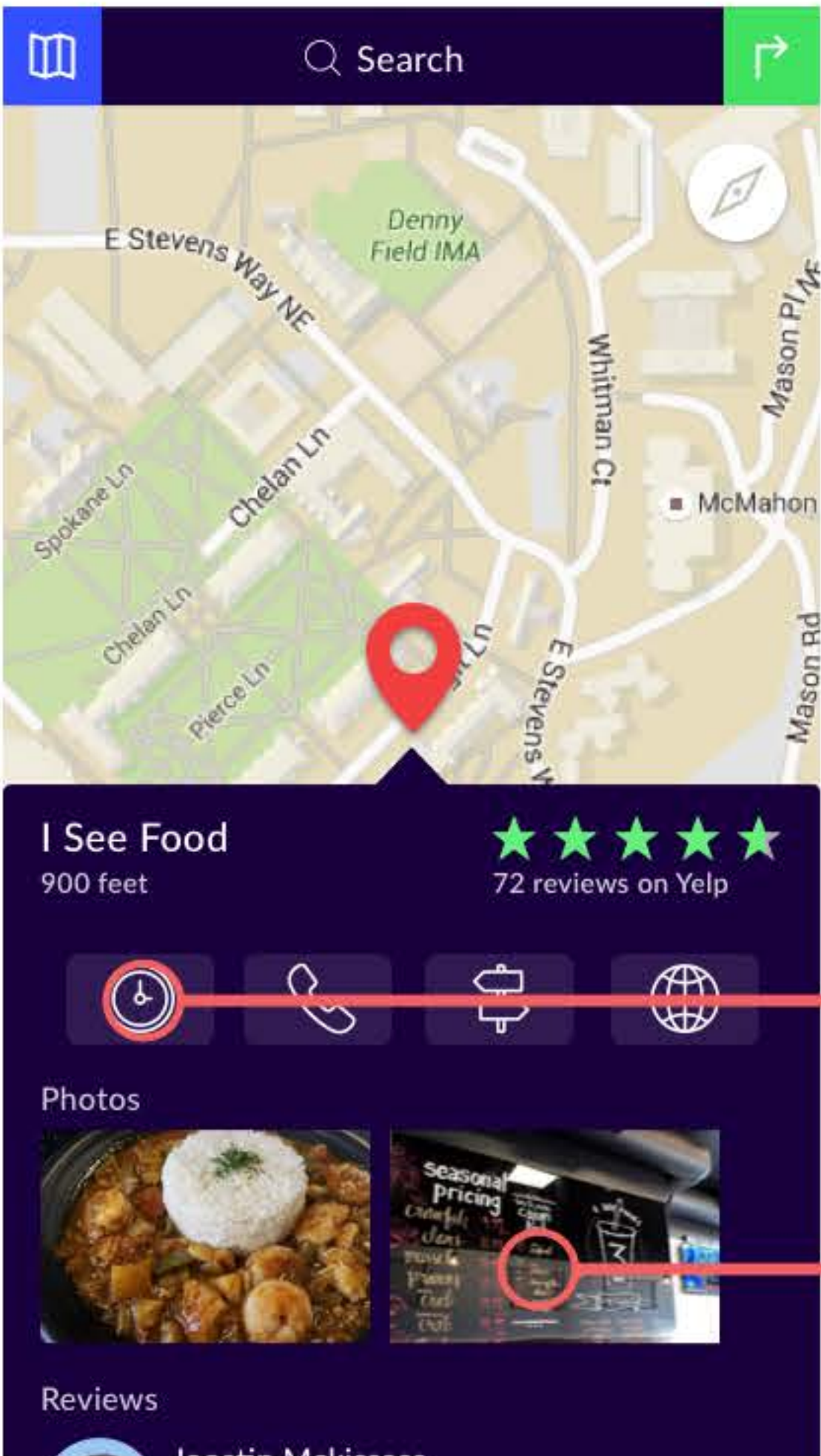
Reviews

Various forms of contact for the business selected are shown, as well as hours open.

Pictures and reviews are loaded from third-party applications such as Yelp and Foursquare.

Location peek view

NE 43rd Street
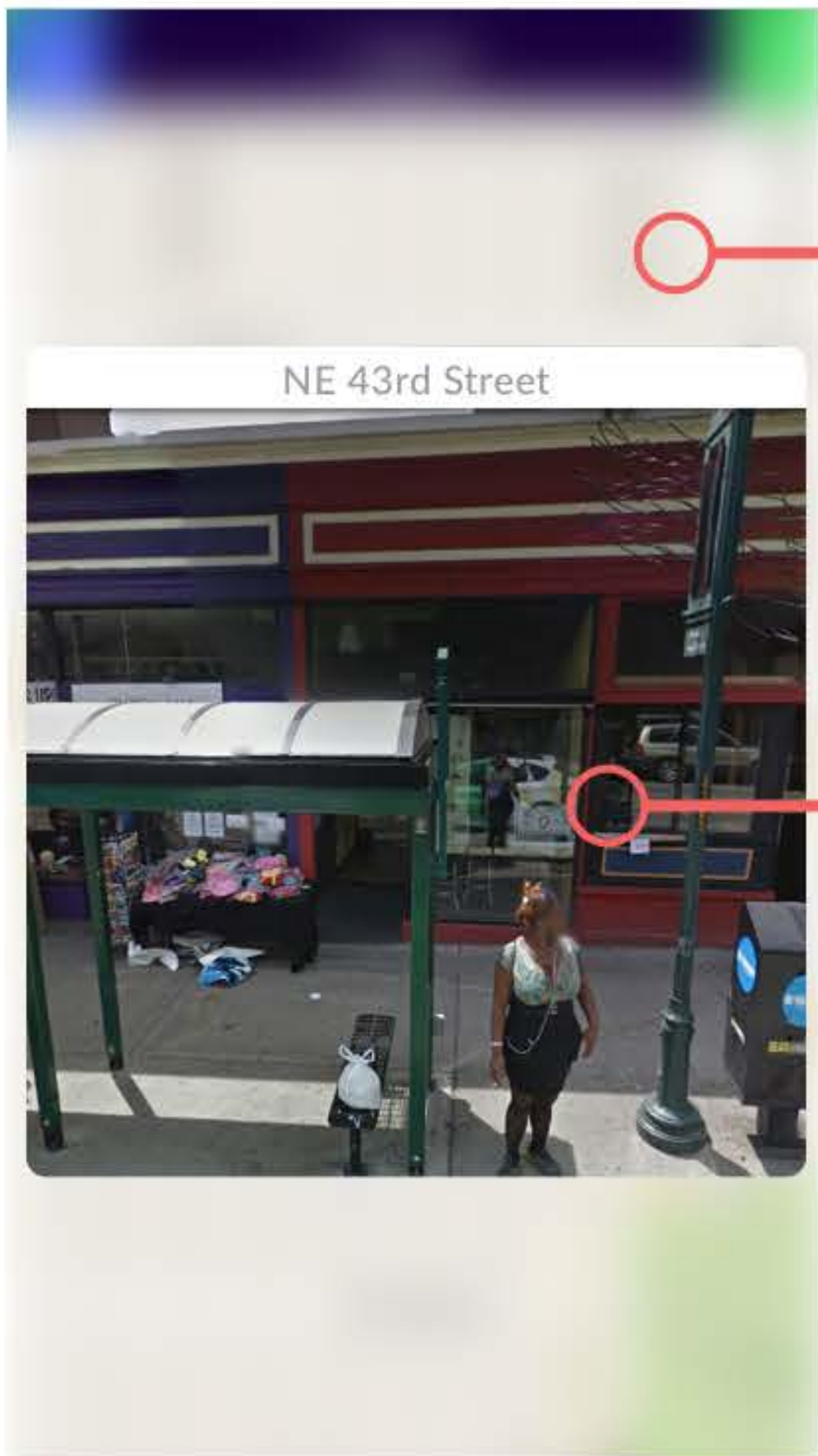
This view pops up after force-touching an area of the map.

Displays the address of the location you pressed, as well as a quick google street view shot.

Navigation view

NE Stevens Way
⚠ Accident Ahead
Chelan Ln

X   3.4 Miles   35min
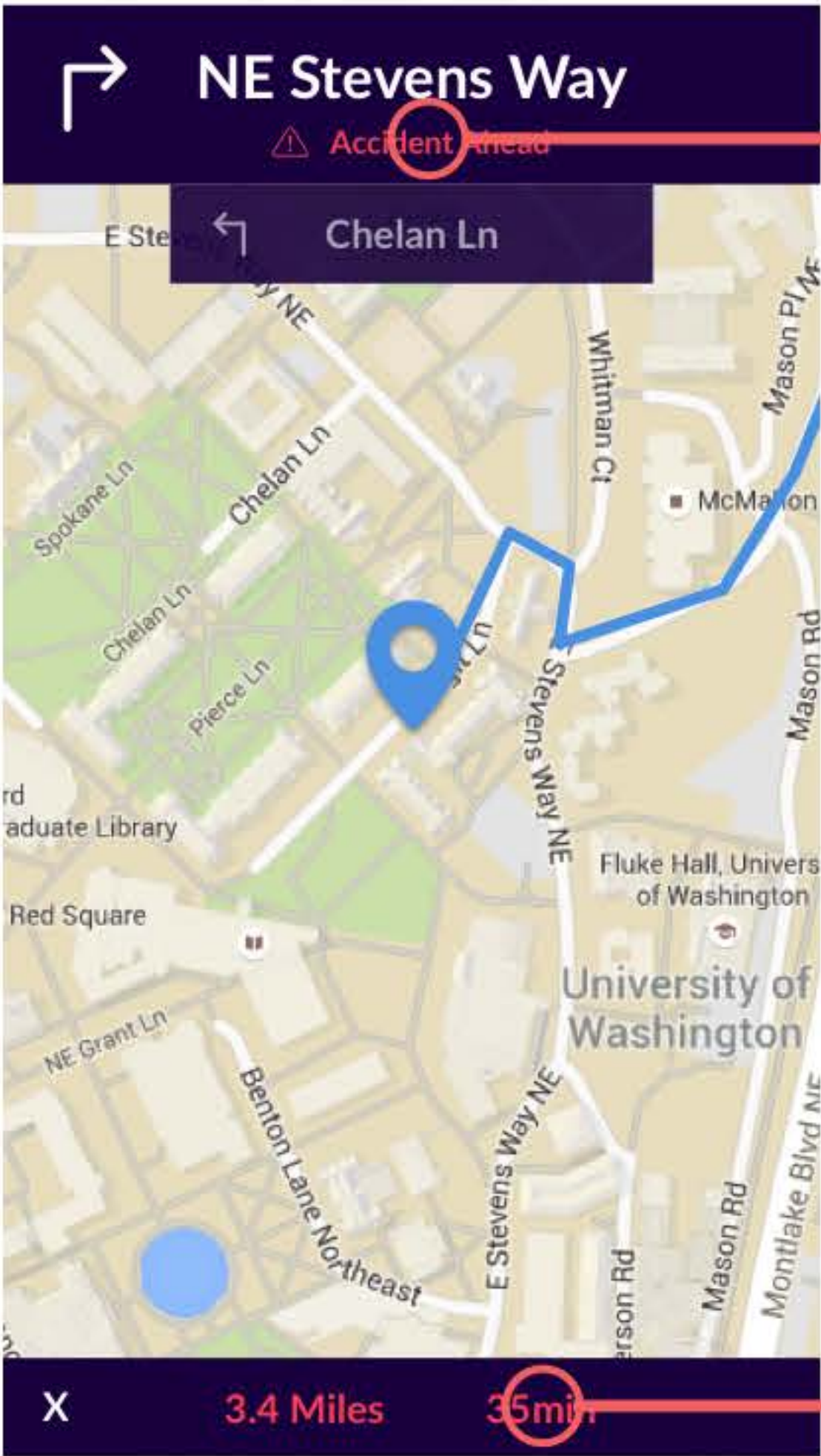
The turn-by turn navigation will notify you if there are ny unexpected road hazards ahead (powered via Waze)

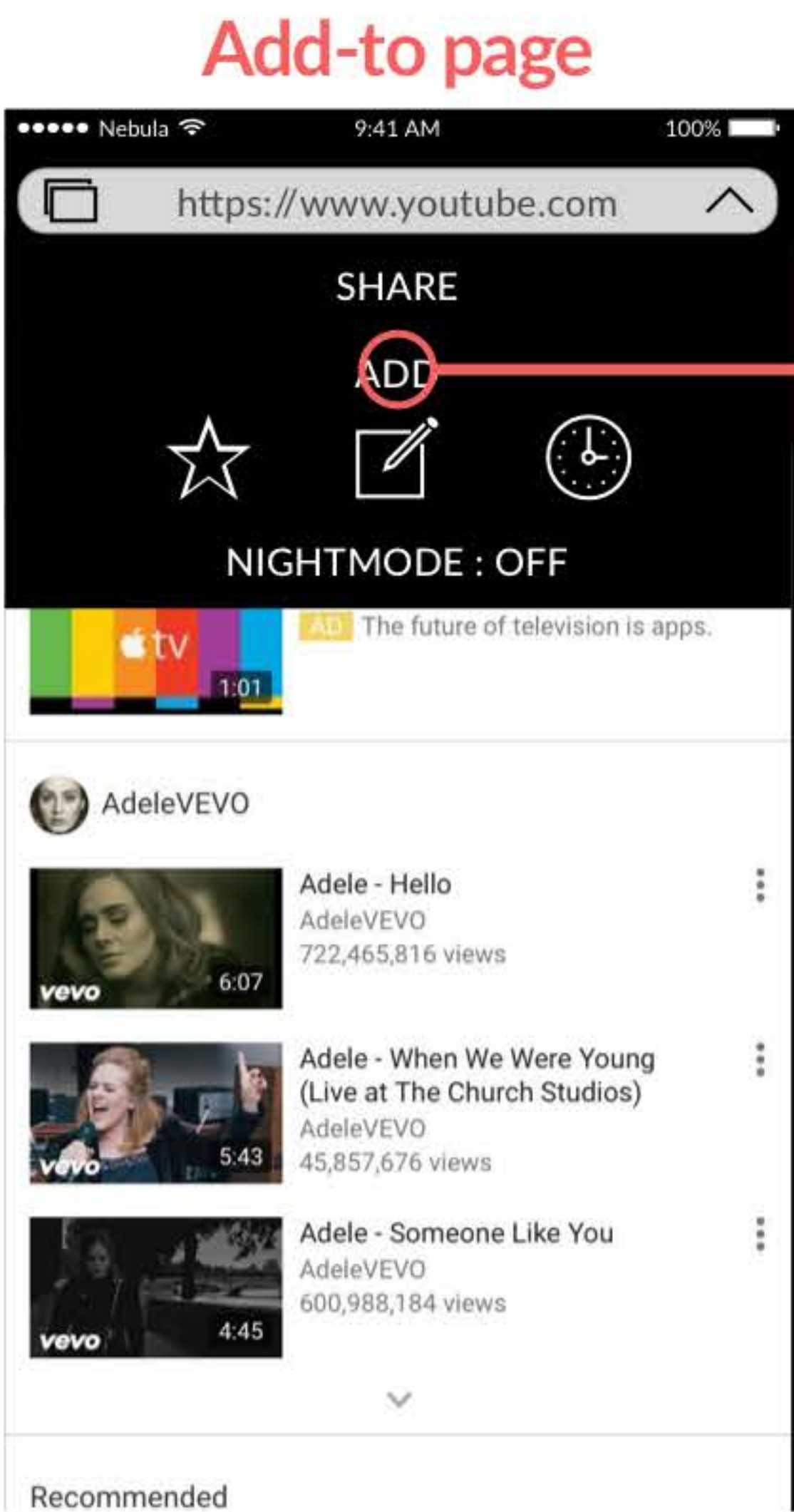Real time distance and time counters are displayed on the bottom of the screen.
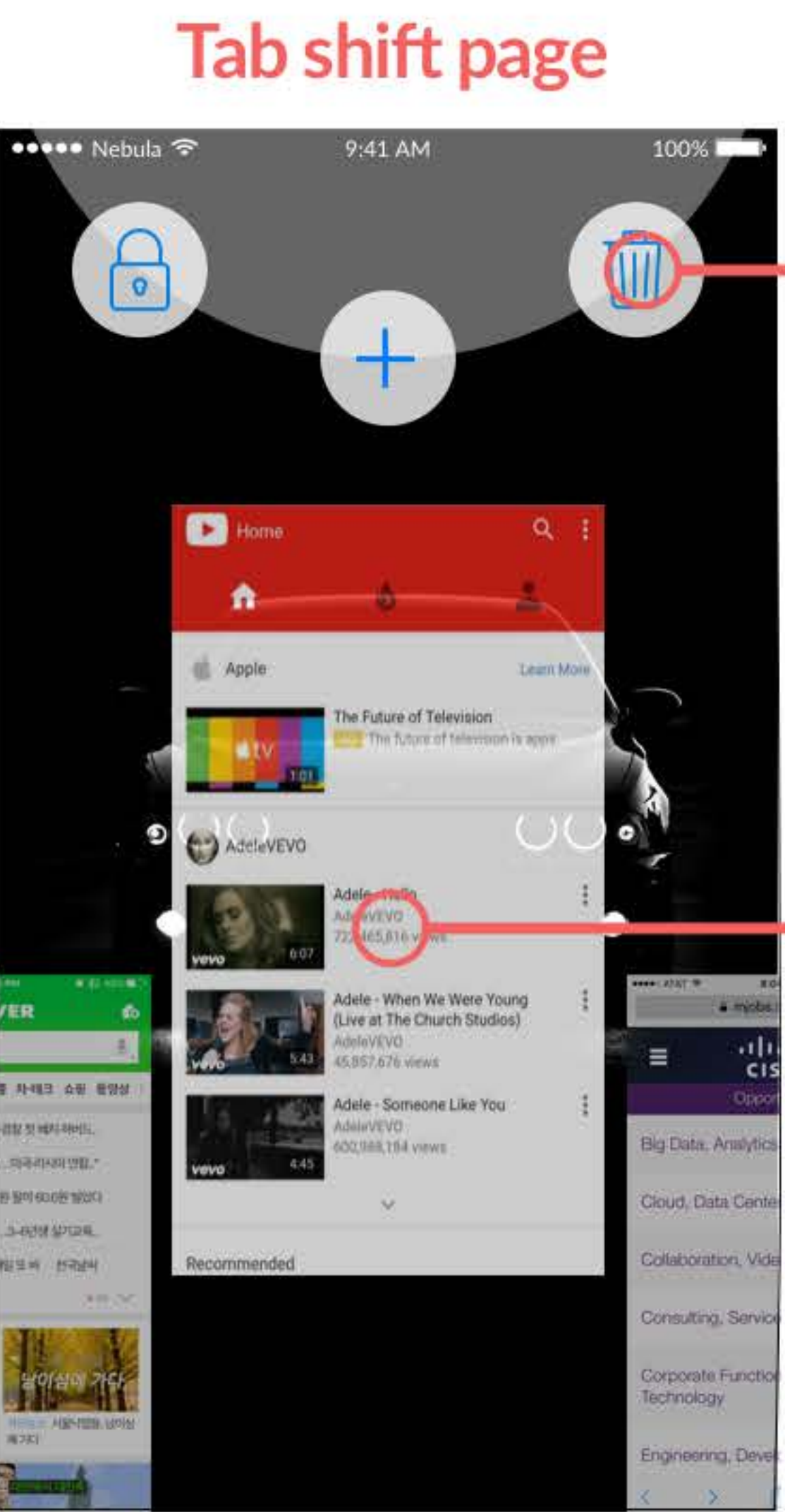
WEB BROWSER APP

New search page
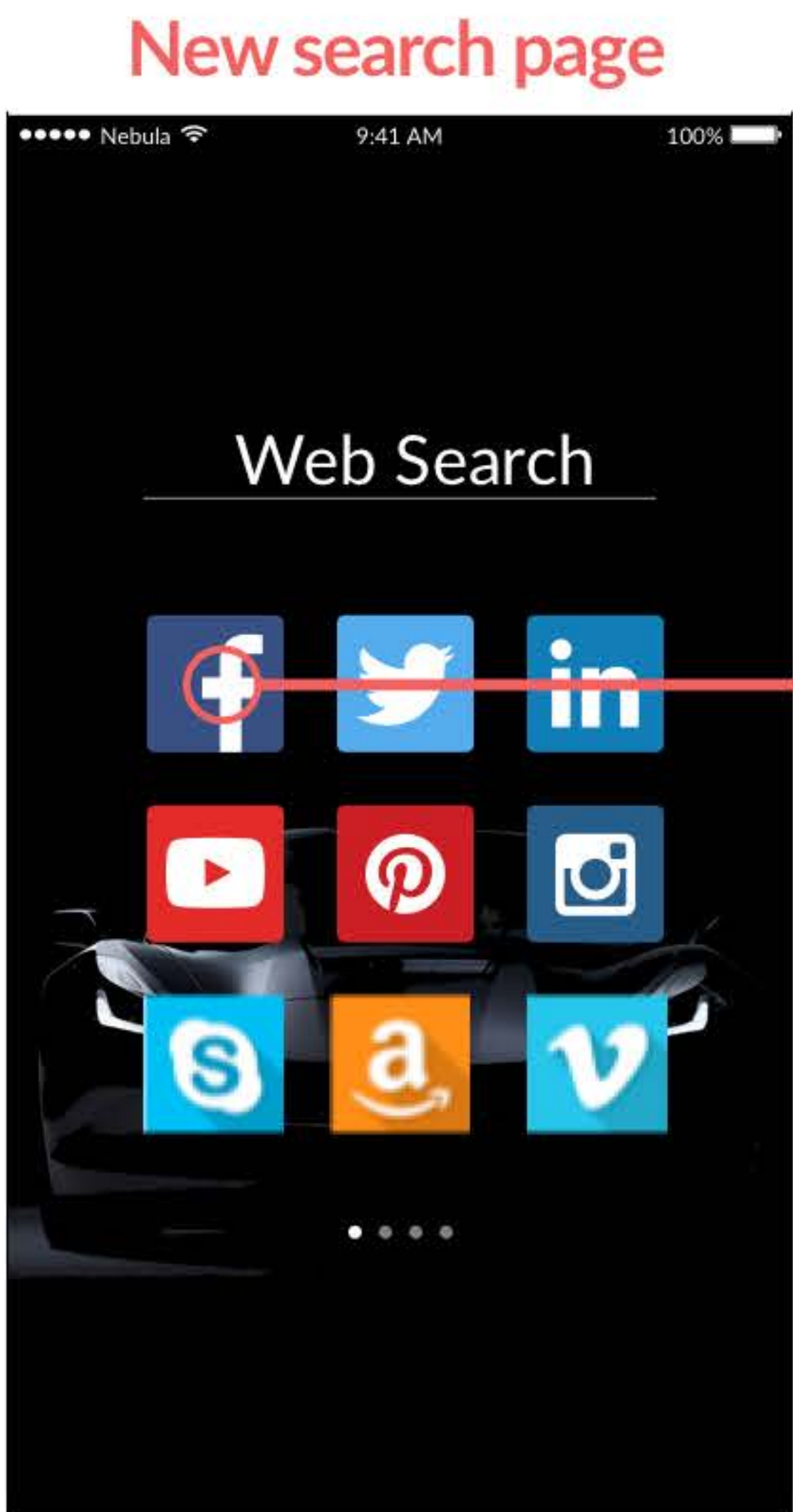
Save your favorite web pages and have them easy to access, right from your new tab screen.

Main browser view
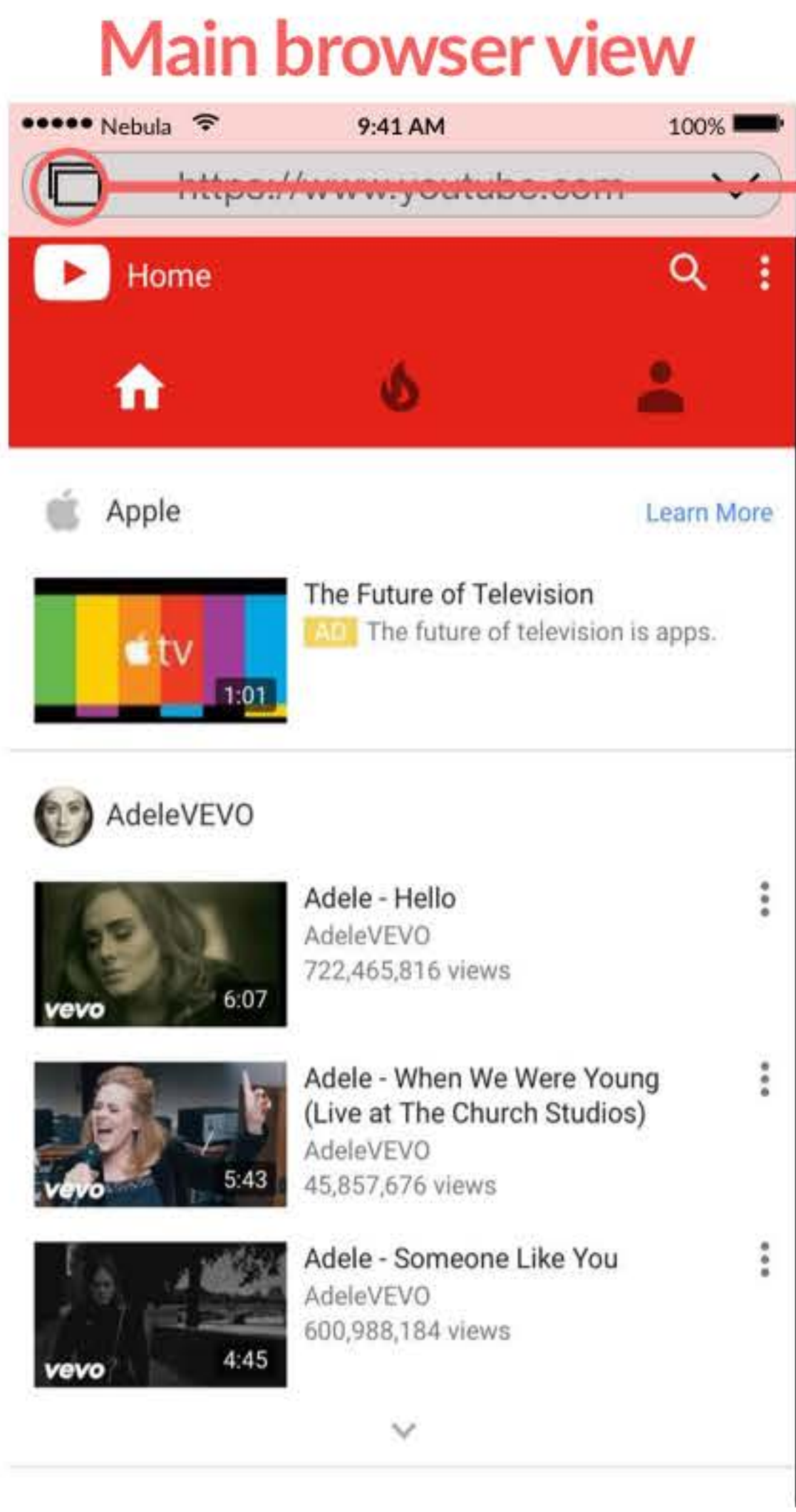
Tabbed view lets you browse through all of your tabs you currently have open on your device.
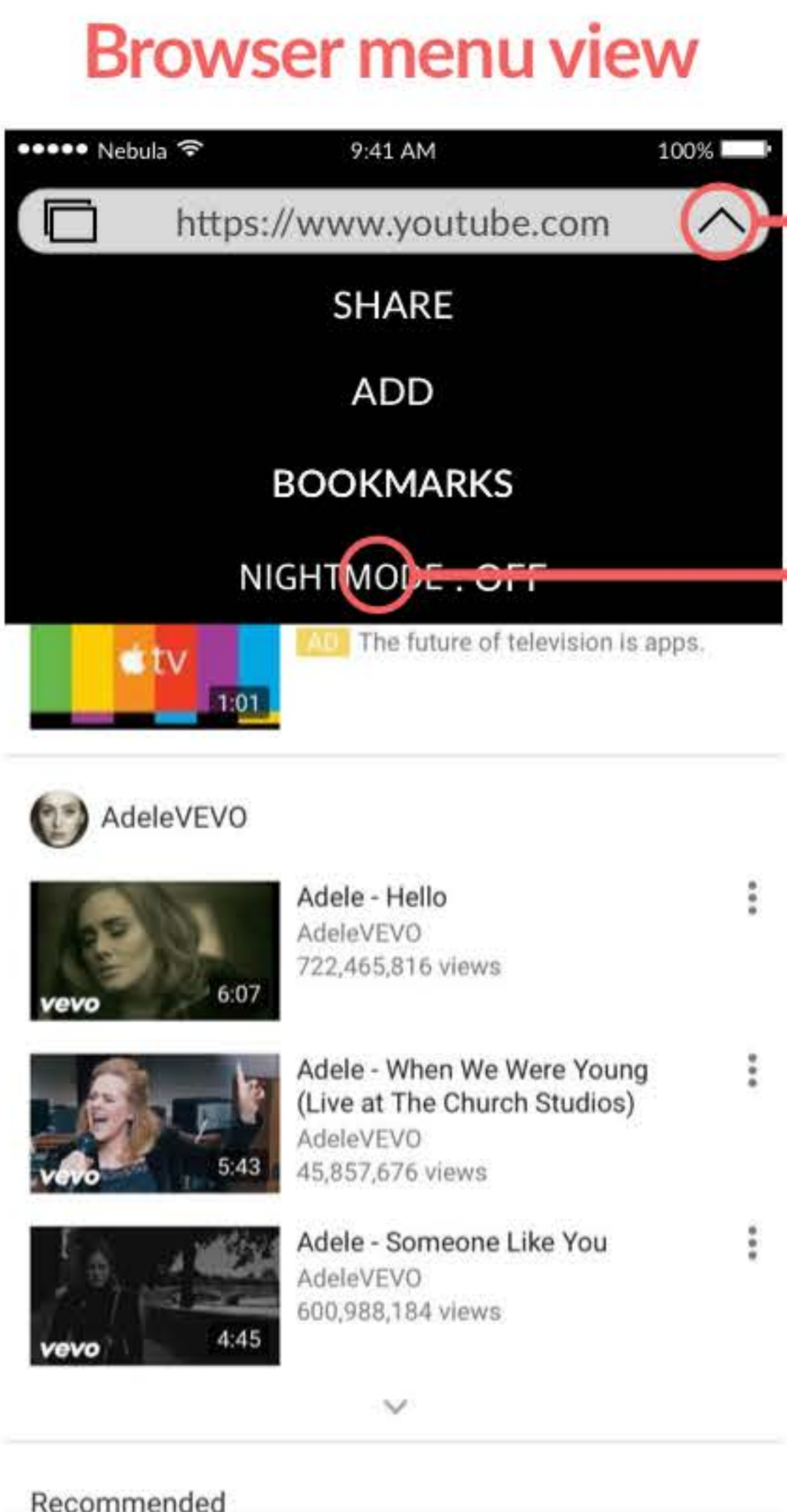
Add-to page

Tapping one of the menu options bring a drop down menu with more specific actions available.

Tab shift page


Quick access buttons let you easily lock a page, add to favorites, or delete.

Swipe between pages with carousel-style rotation.
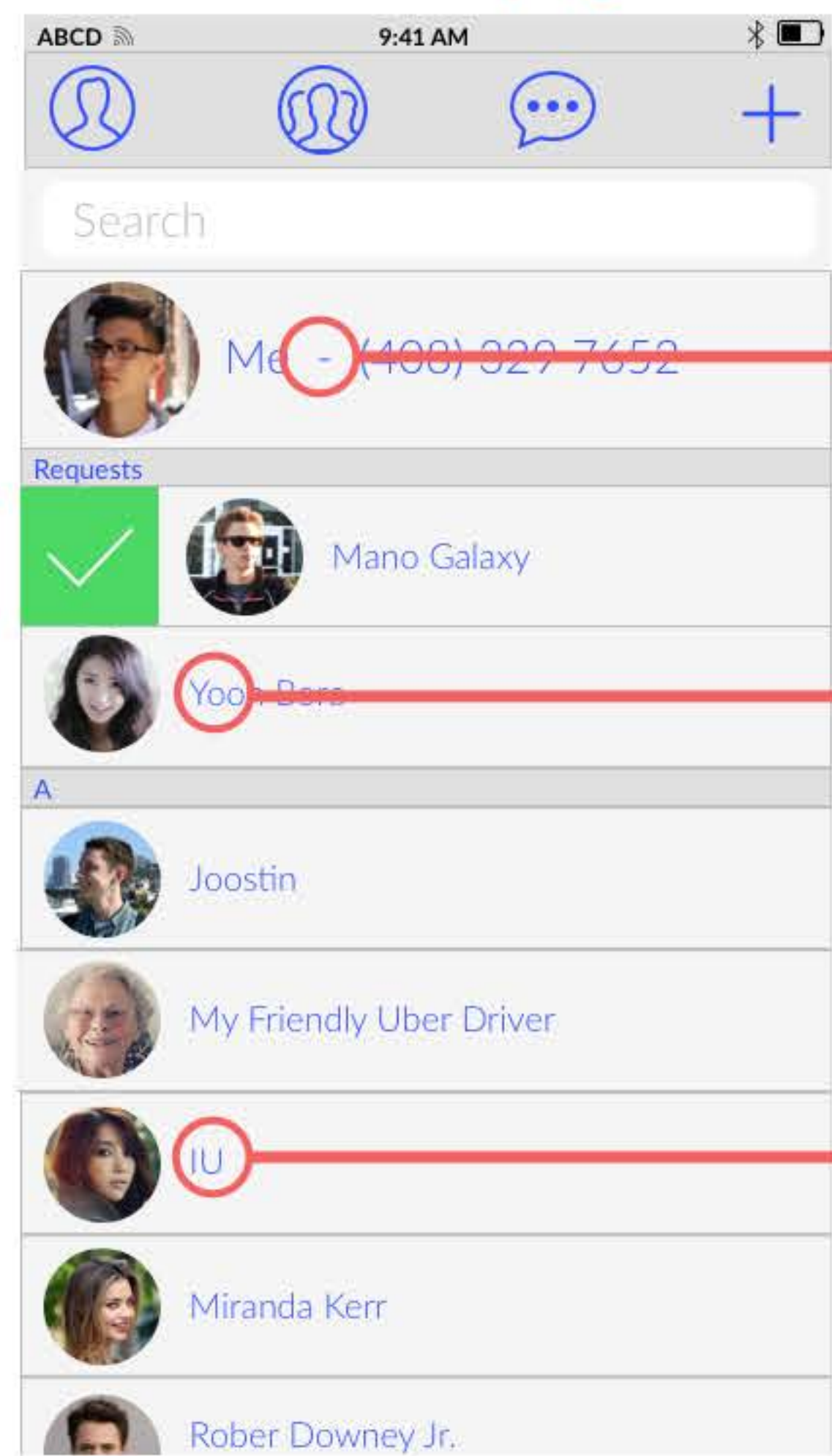
Browser menu view

The web browser page-menu is accessible via tapping the carrot icon on the address bar.

Night / day mode lets you optimize your device screen brightness and contrast settings for an optimal viewing experience.

Customize background
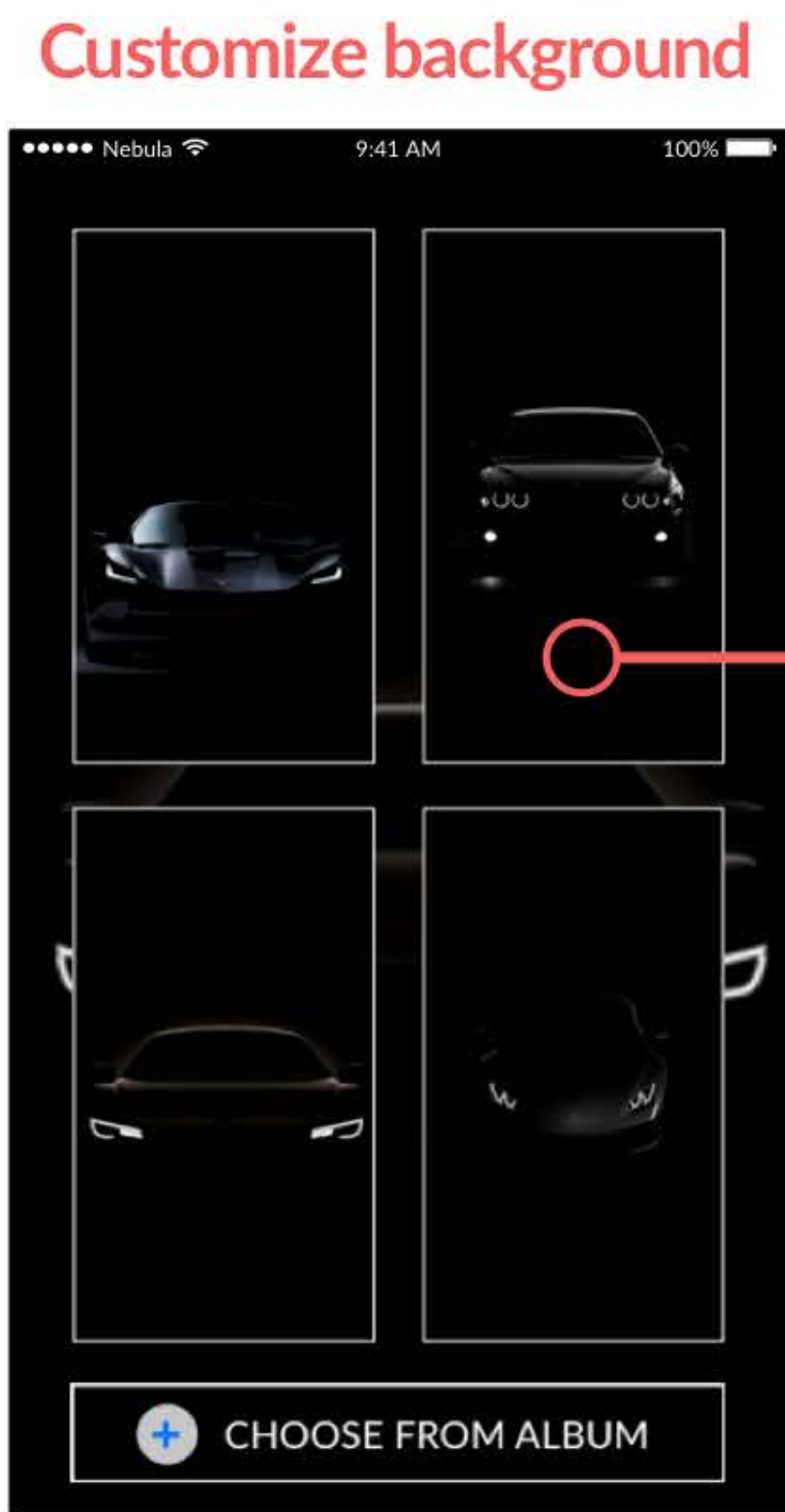
Save different picture backgrounds for the app to personalize your browsing experience.

CONTACTS APP

Contacts page

ABCD   9:41 AM

Search

Me - (408) 329 7652

Requests

✓   Mano Galaxy

Yoon Bora

A

Joostin

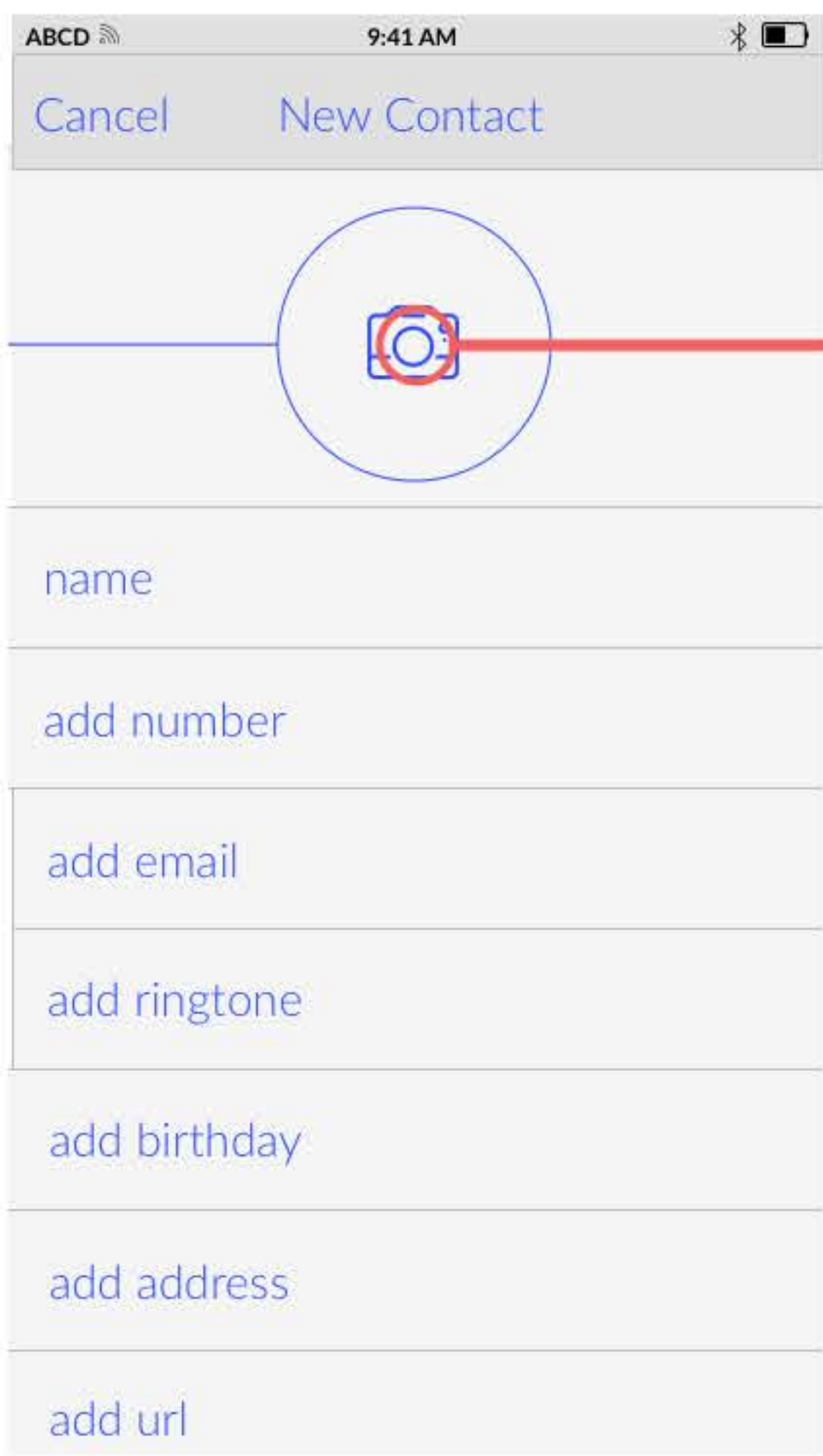My Friendly Uber Driver

IU

Miranda Kerr

Rober Downey Jr.

View and edit your own contact information on the contacts page

Accept or decline contact requests from third part applications, as well as through NebulaOS NFC contact exchange.
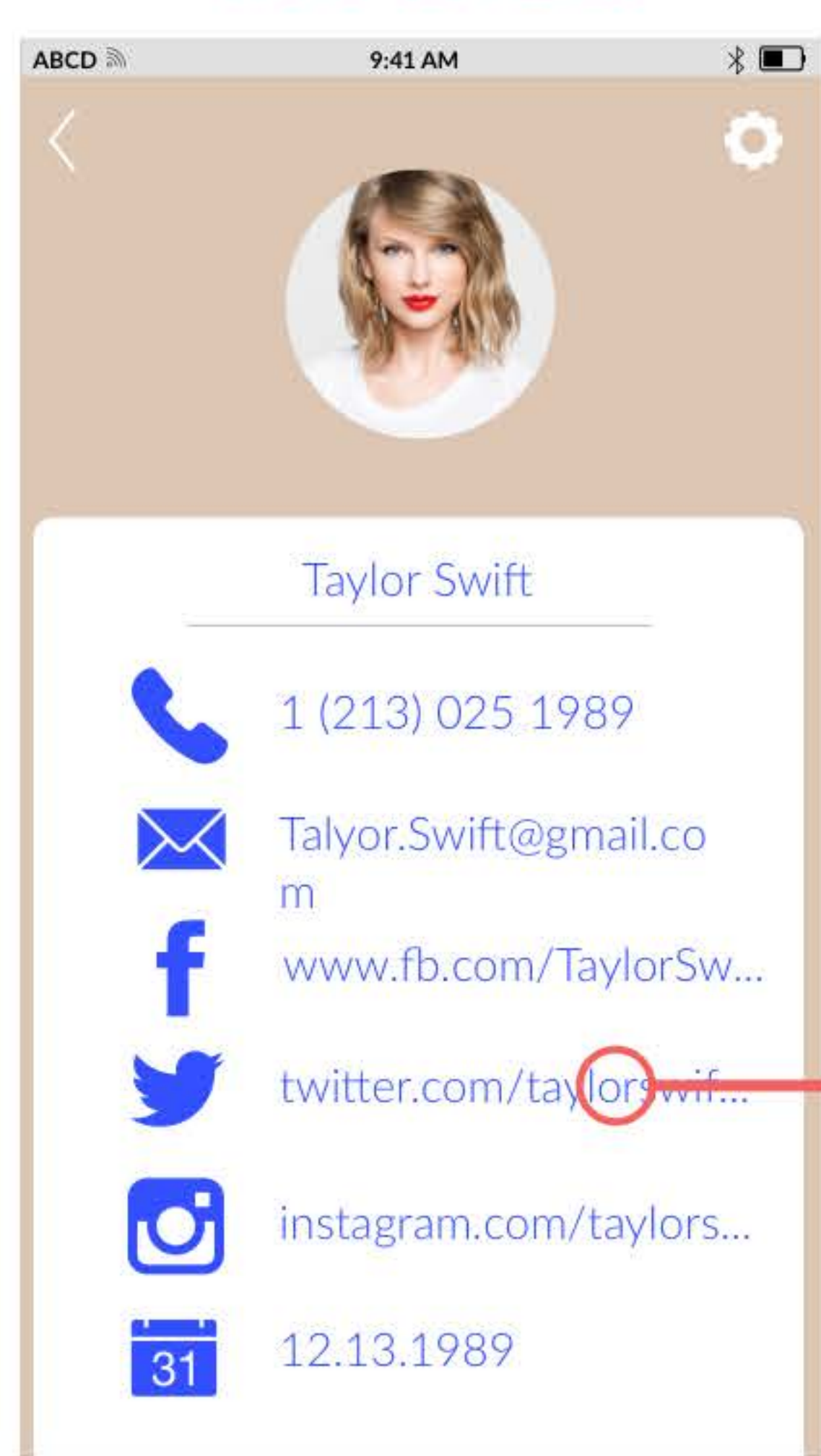
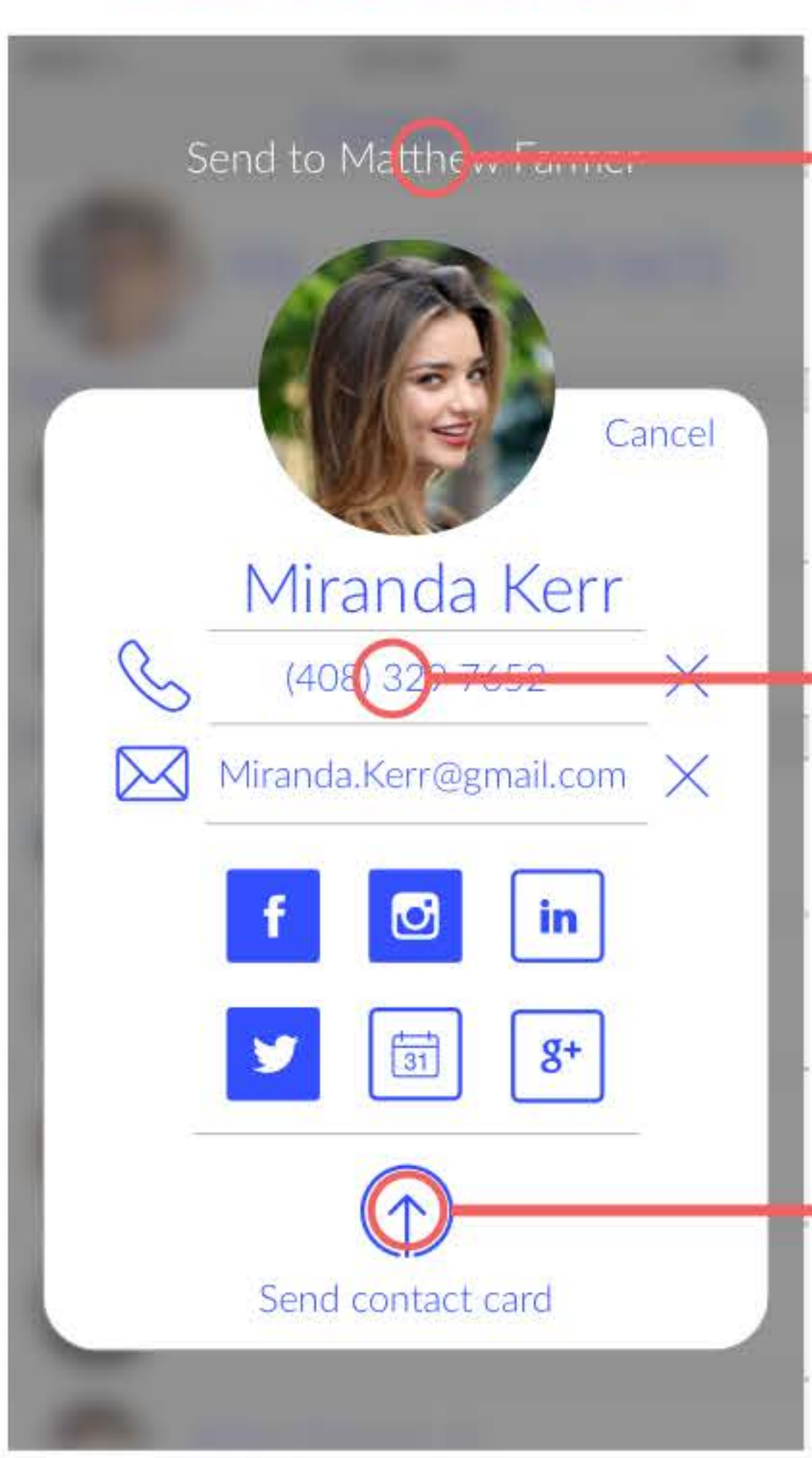Contacts are displayed alphabetically by name (although not in this example).

Create new contact

ABCD   9:41 AM

Cancel   New Contact

[camera icon]

name

add number

add email

add ringtone

add birthday

add address

add url

Select and input different options for a new contact, such as photo, name, etc.

View contact

ABCD   9:41 AM

Taylor Swift

📞   1 (213) 025 1989

✉   Talyor.Swift@gmail.com

f   www.fb.com/TaylorSw...

🐦   twitter.com/taylorswif...

📷   instagram.com/taylors...

📅   12.13.1989

Contact information from the web are automatically shown as hyperlinks, so you cna view them in their native apps or via the web browser.

Send contact card

Send to Matthew Farmer

Cancel

Miranda Kerr

📞   (408) 329 7652   ✕

✉   Miranda.Kerr@gmail.com   ✕

[f] [instagram] [in]

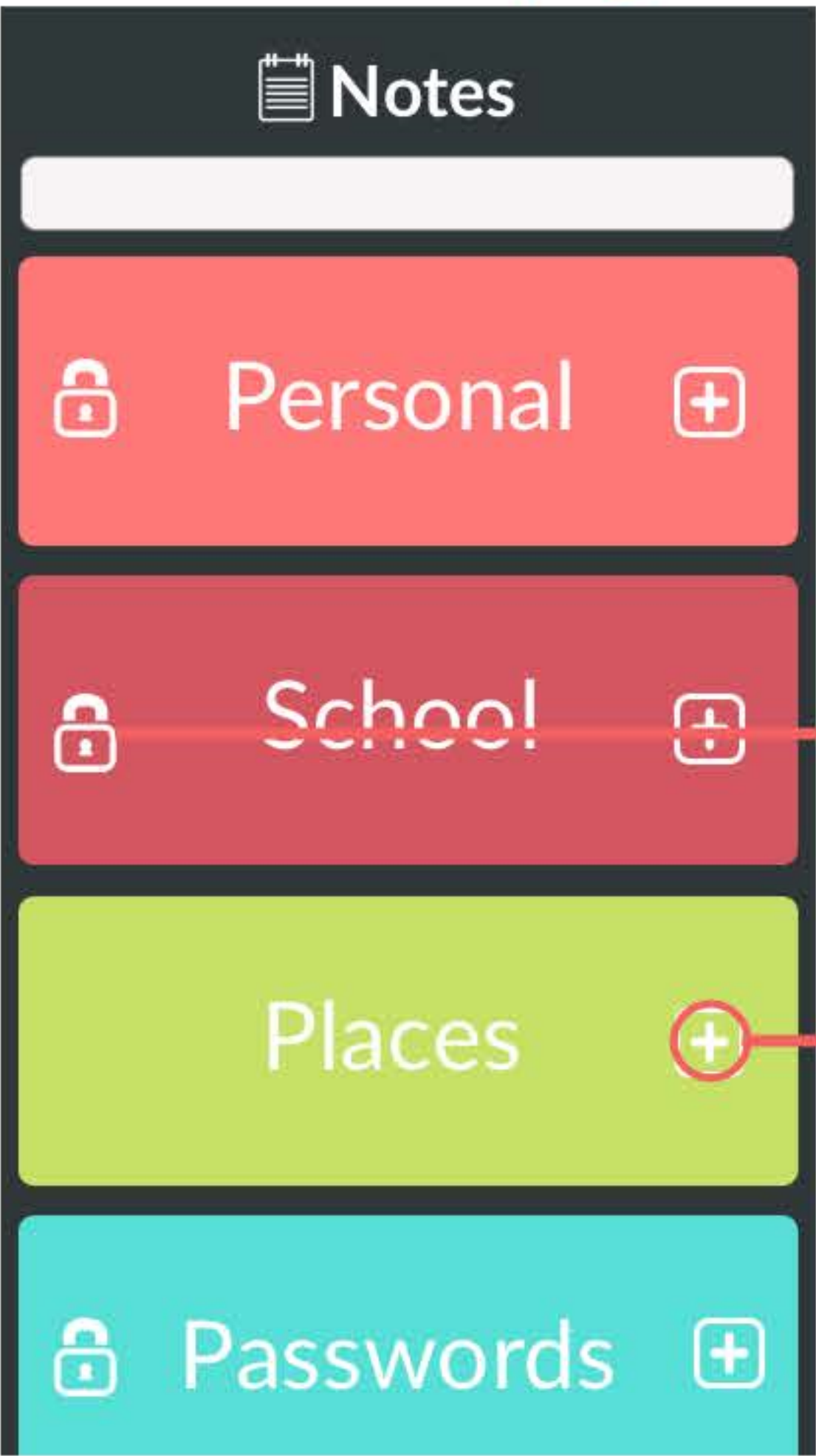[twitter] [calendar] [g+]

↑

Send contact card

The recipient of the contact card exchange.

Select different forms of contact information you want to send to someone.

Send the contact card by tapping "send" and being within NFC range of the recipients phone.
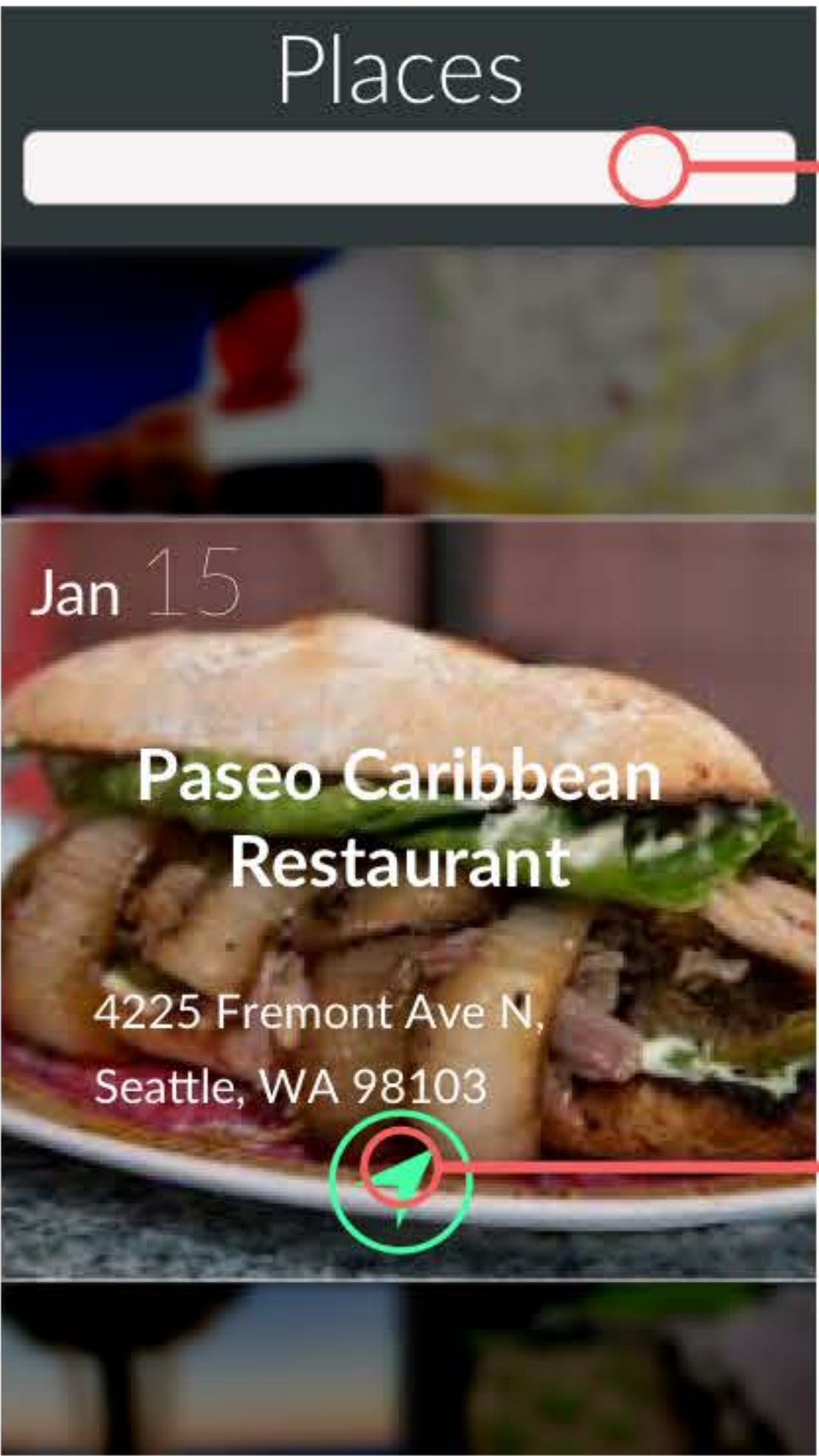
NOTES APP

Main notes page

📔 **Notes**

🔒 Personal ⊕

🔒 School ⊕

Places ⊕

🔒 Passwords ⊕

Lock icons indicate a password locked journal.

Quick-add a new page to one of your journals.

Selected place view

Places

Jan 15

Paseo Caribbean Restaurant

4225 Fremont Ave N.
Seattle, WA 98103
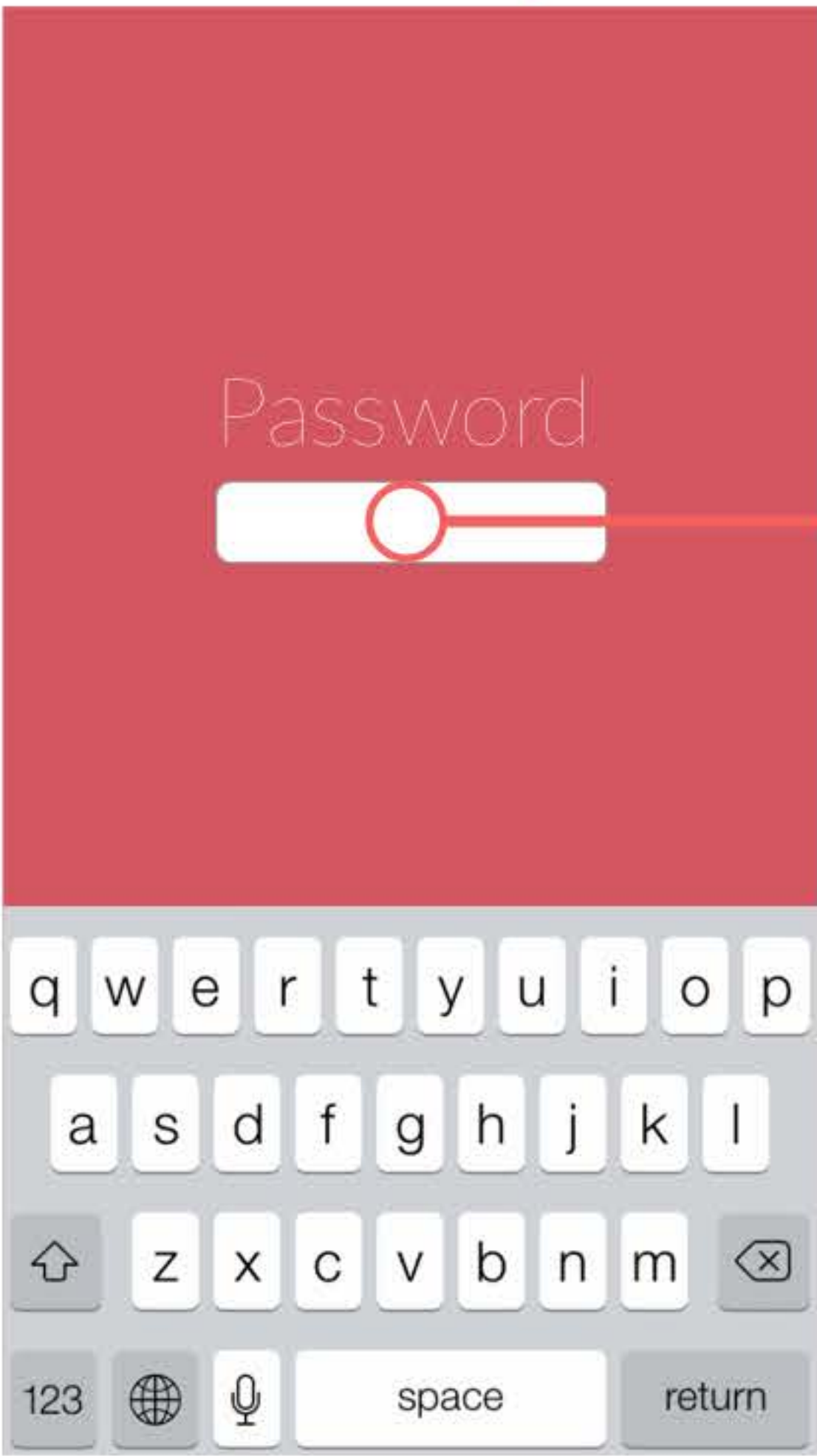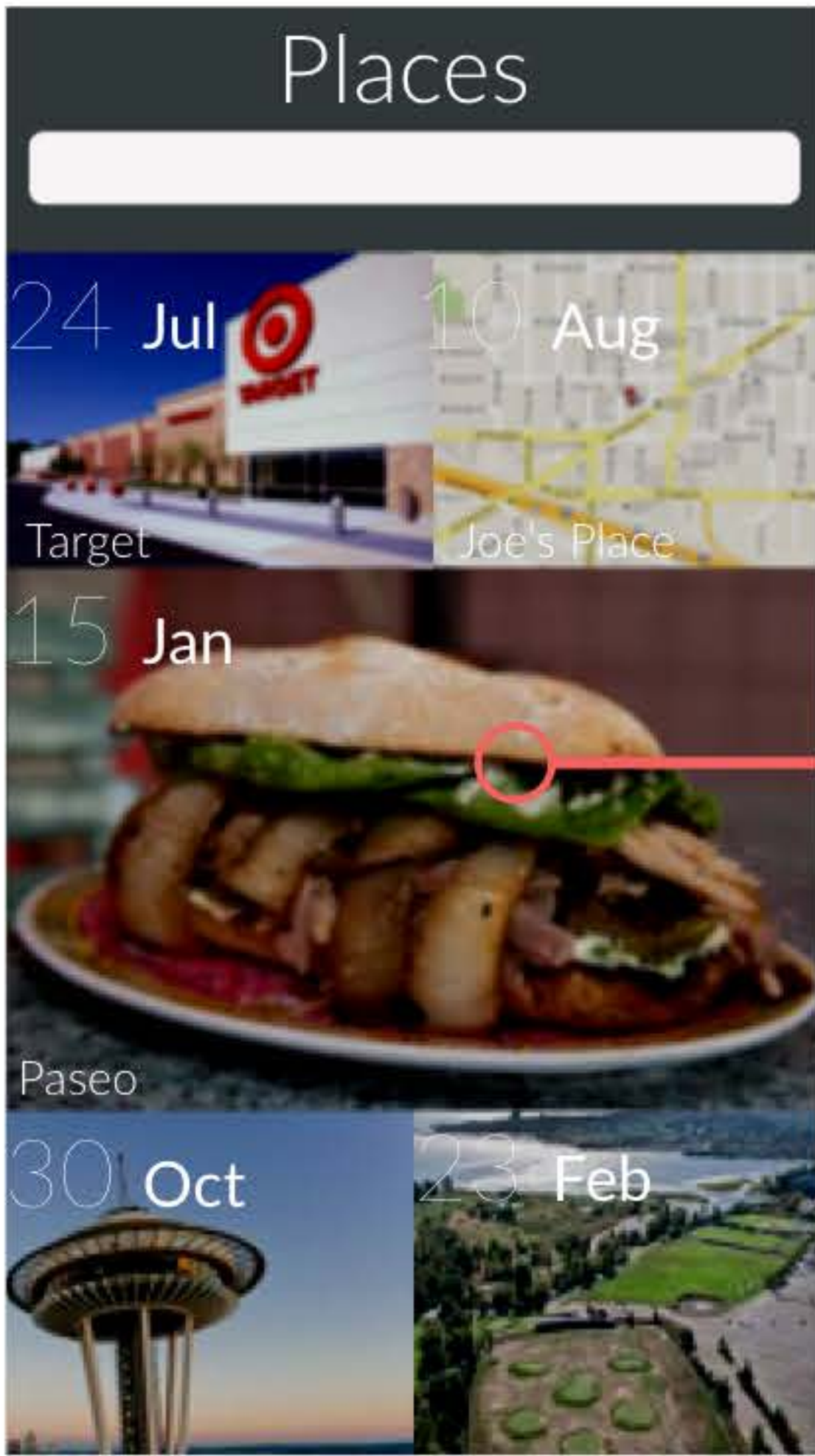
Search the current journal or notes page that you are in.

If you ever want to go back to a saved location, you can tap the navigate button to automatically find you directions.
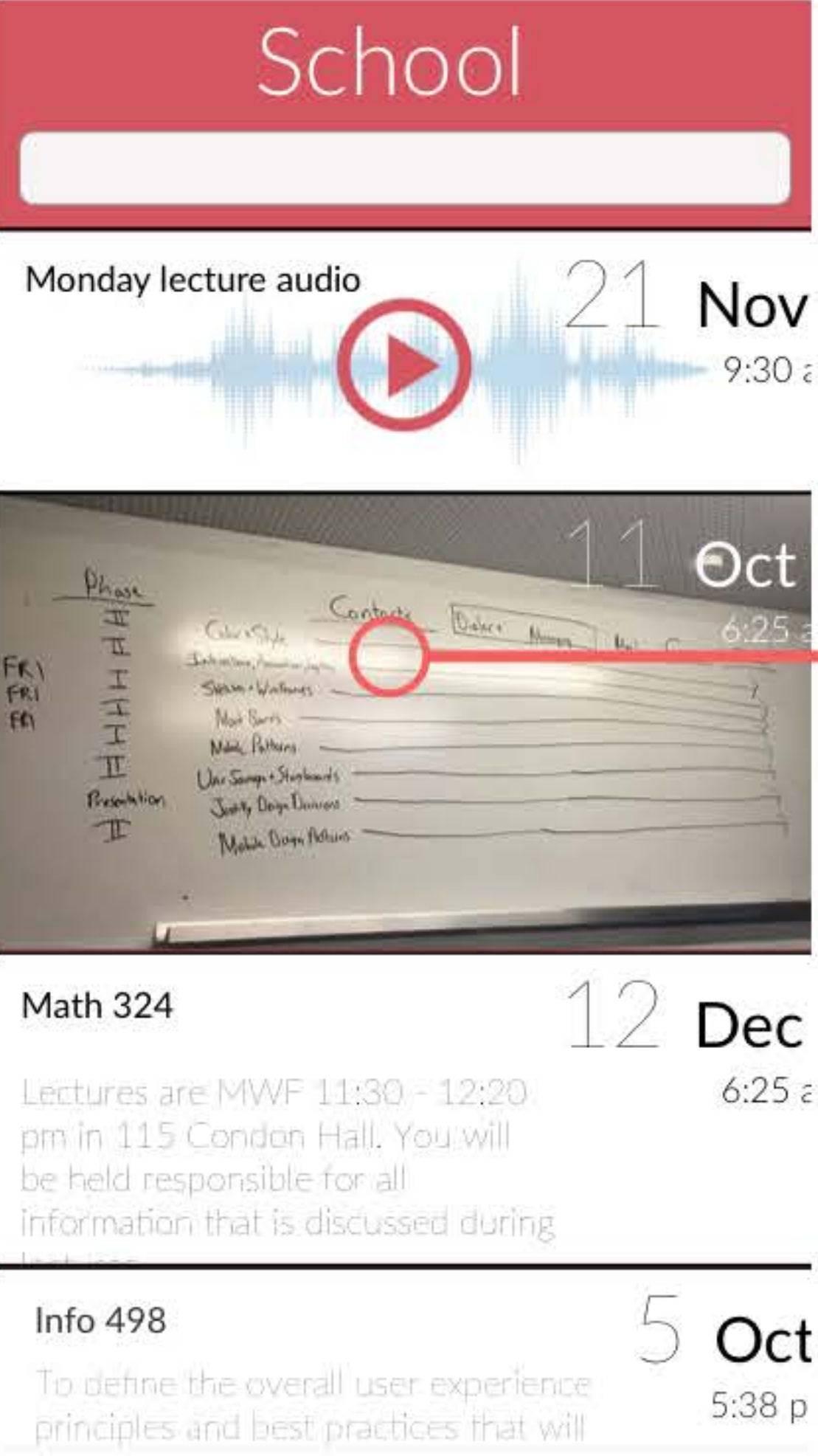
Locked school journal

Password

q w e r t y u i o p
a s d f g h j k l
⇧ z x c v b n m ⌫
123 🌐 🎤 space return

Private journals are locked and require a passcode or PIN to access.

"Places" journal page

Places

24 Jul 10 Aug
Target Joe's Place

15 Jan
Paseo

30 Oct 23 Feb

You can add note entries to the journal that are geotagged and timestamped locations; complete with a preview picture of that location.

Openned school journal

School

Monday lecture audio 21 Nov
▶ 9:30 a

11 Oct
6:25 a

Math 324 12 Dec
6:25 a
Lectures are MWF 11:30 - 12:20 pm in 115 Condon Hall. You will be held responsible for all information that is discussed during

Info 498 5 Oct
5:38 p
To define the overall user experience principles and best practices that will

View different notes in the journal, such as text entries, pictures, or audio clips.

CALCULATOR APP

Calculator view

5.89 + 62

67.89

A large equals button makes it easy to complete calculations.
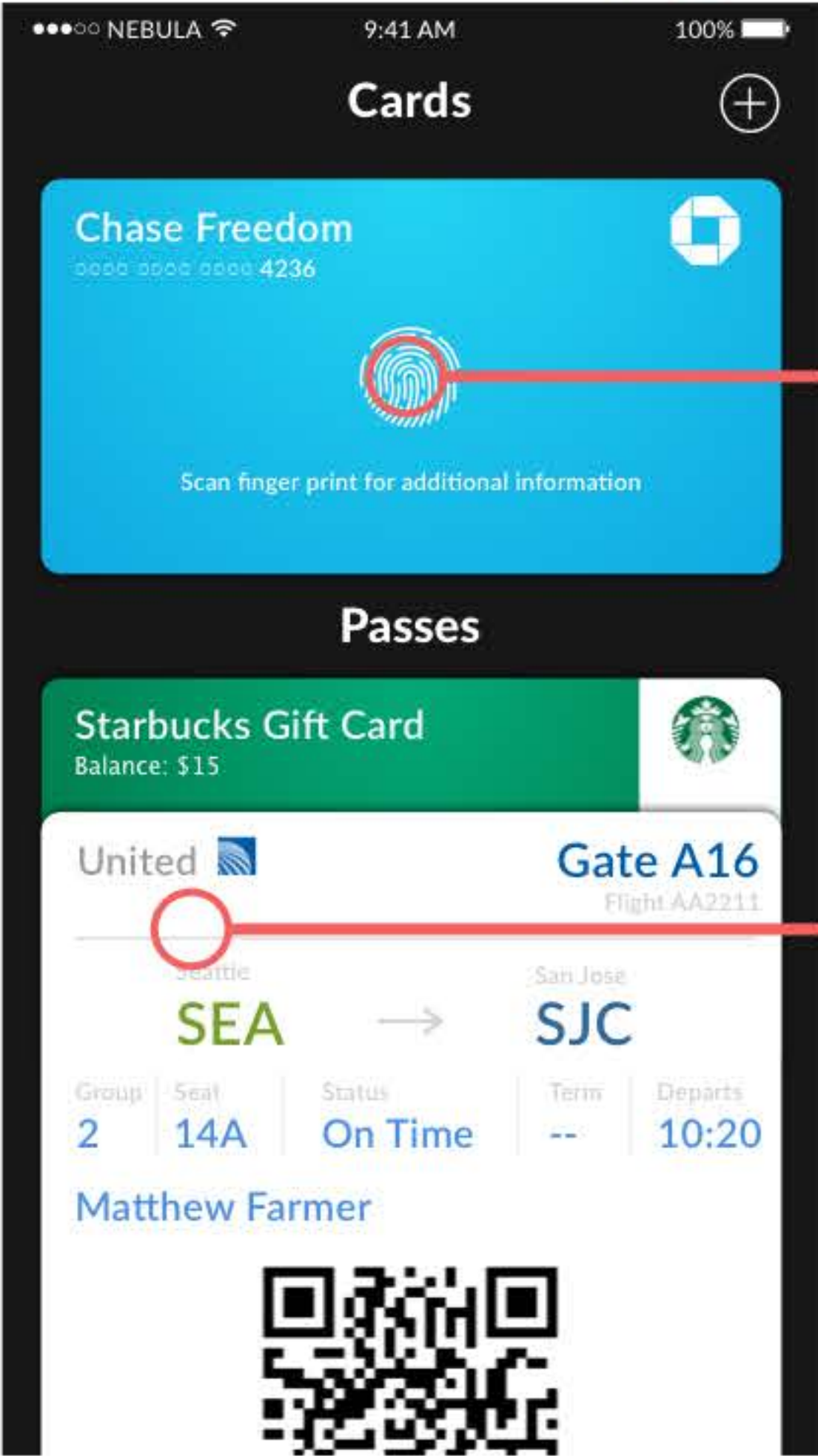
Advanced option view

5.89 + 62

67.89

Some advanced functions are only available in the advanced options view; these include trigonometric function as well as logarithmic functions; these are not needed by the average user.
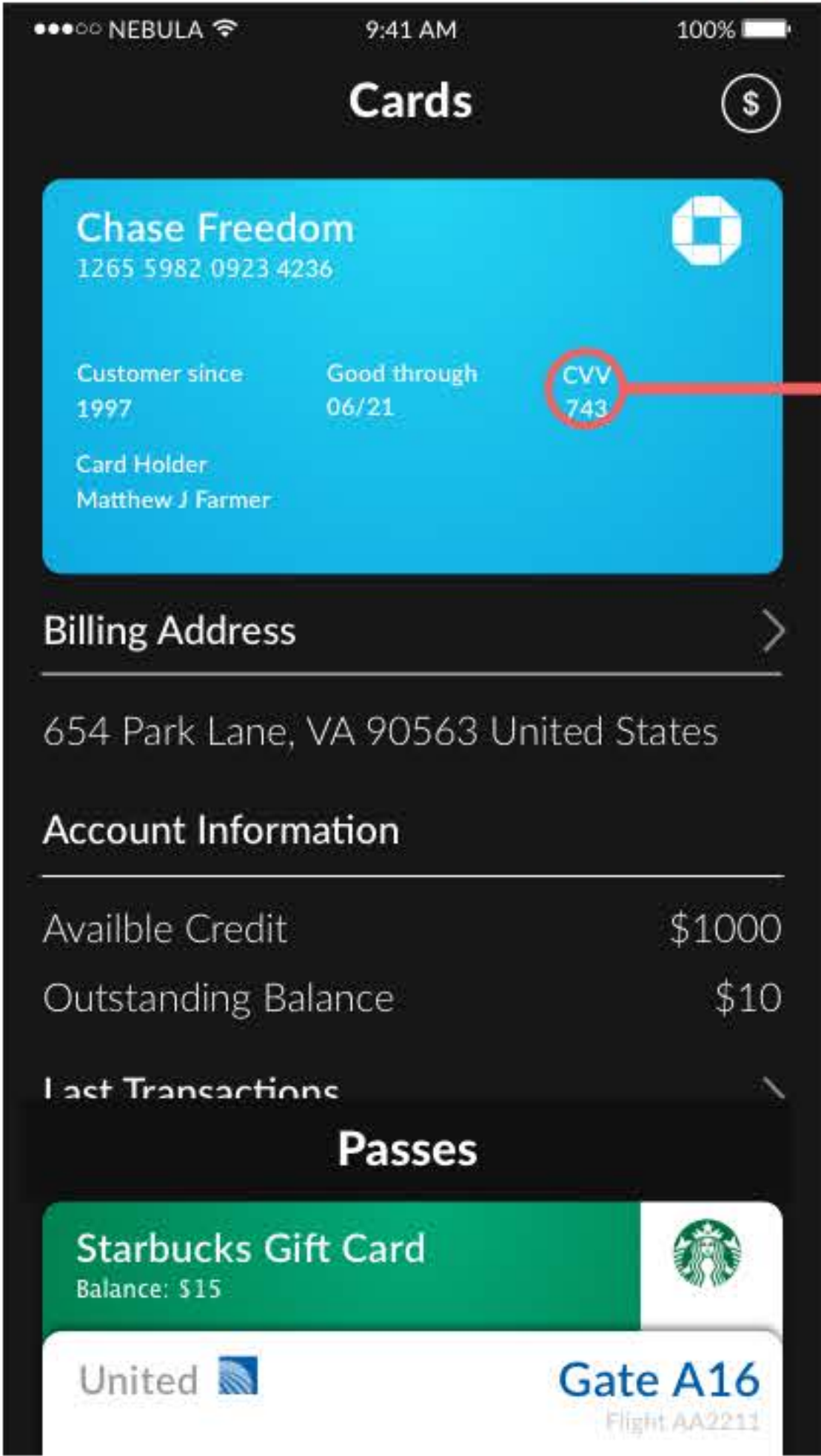
WALLET APP

Wallet overview page

Debit and credit cards (forms of payment) are at the top of the page.
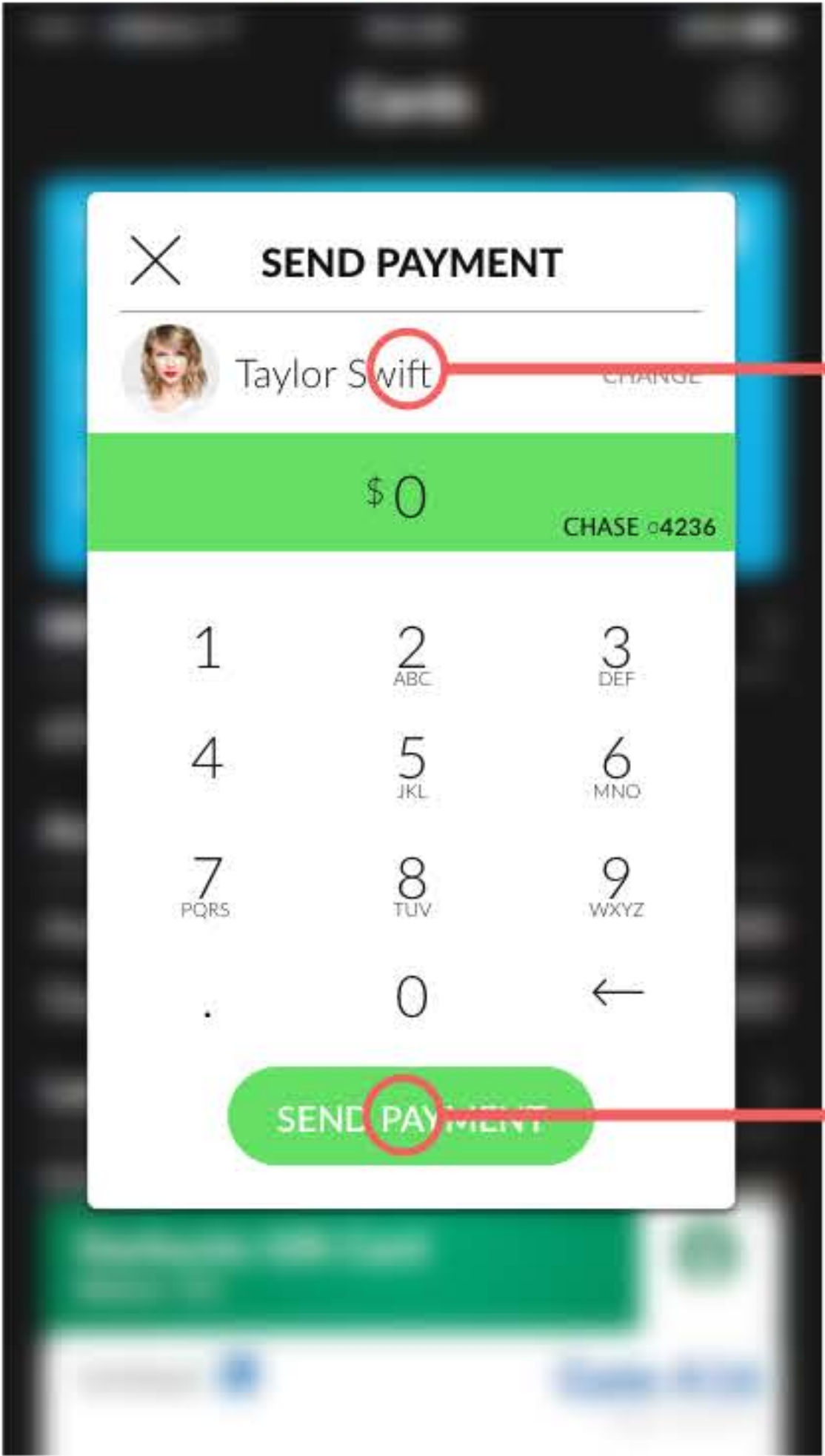
Passes are displayed seperately from cards; they contain coupons, gift cards, and tickets for events or transportation.

Unlocked card display

These personal details will be locked again once the app is exited, or the phone is turned off in order to ensure privacy.

Send payment view

The recipient is selected above from a list of contacts native to your device, or contacts through third party applications such as Square, Venmo, or Snapcash.

Sending the payment will require you to authenticate yourself with biometrics one last time, on the following page. This is to ensure security, and that no mistakes are made during the transfer.

Locked card display
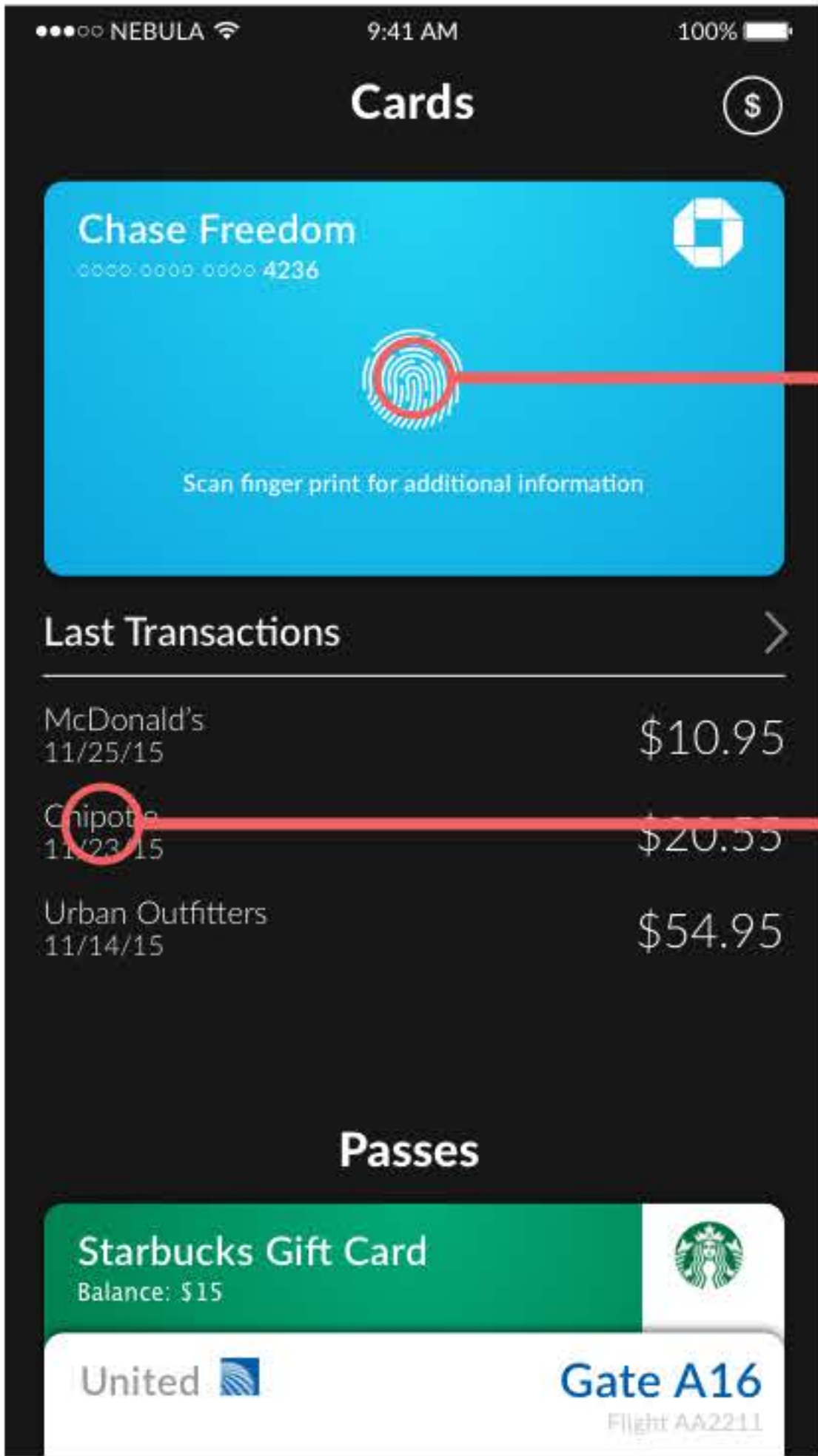
Biometric identification is needed for accessing more personal account details (balance, card number, etc.)

Your latest transactions with this form of payment are also shown; the last three on this page, and a full list accessbile via the "Last Transactions" tab.

Selected card to pay view
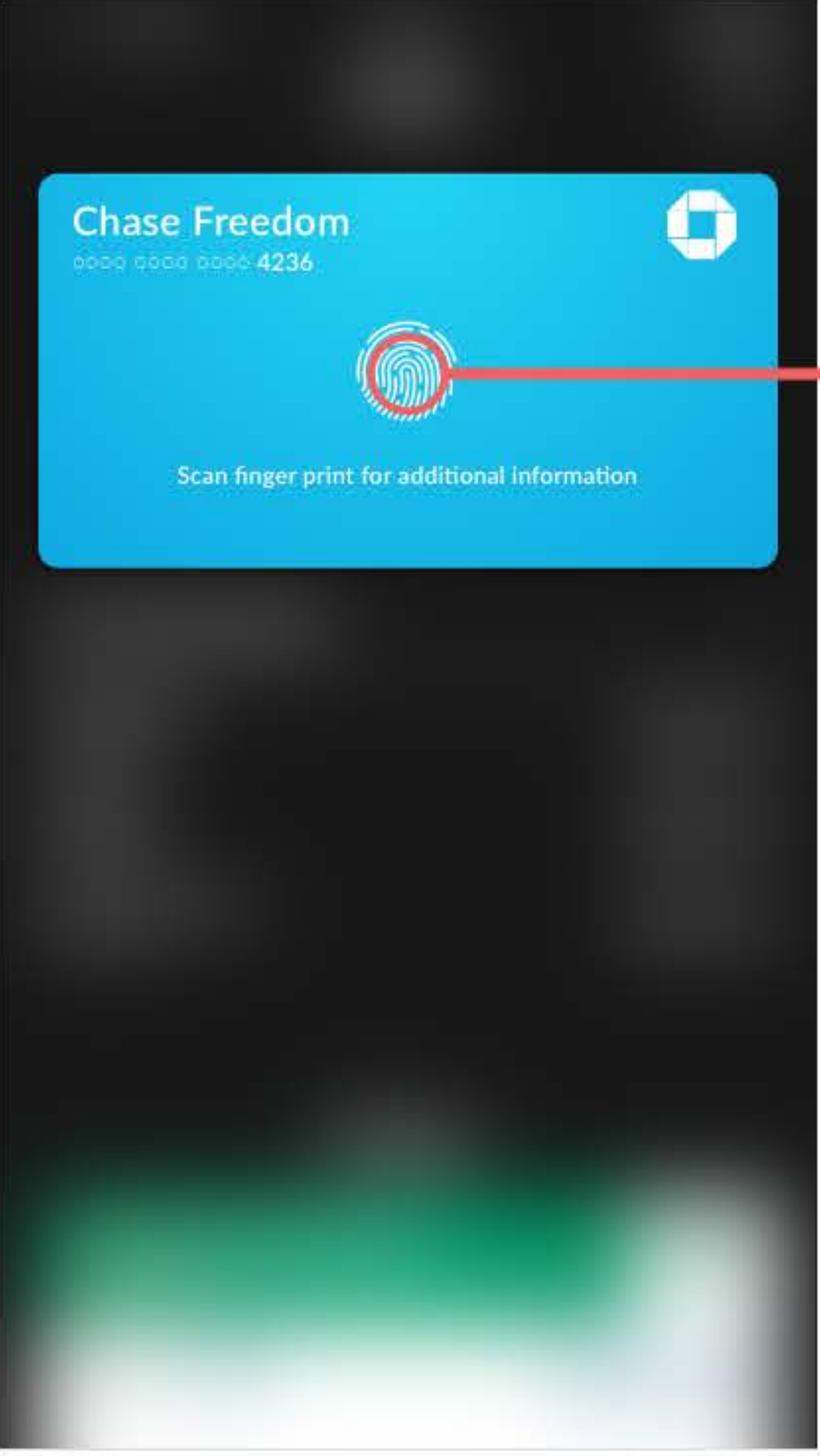
In order to make a payment to someone or a business, the same biometric data to access the card information must be used again to unlock it for purchases or transfers.

WEATHER APP

Locations page

●●●○○ NEBULA 🔋   9:41 AM   100% 🔋

C° / F°   EDIT   ⊕

Seattle 9:41 AM	42°
San Fransisco 9:41 AM	51°
New York 12:41 AM	34°
London 5:41 PM	46°
Beijing 1:41 AM	29°
Dubai 9:41 PM	54°
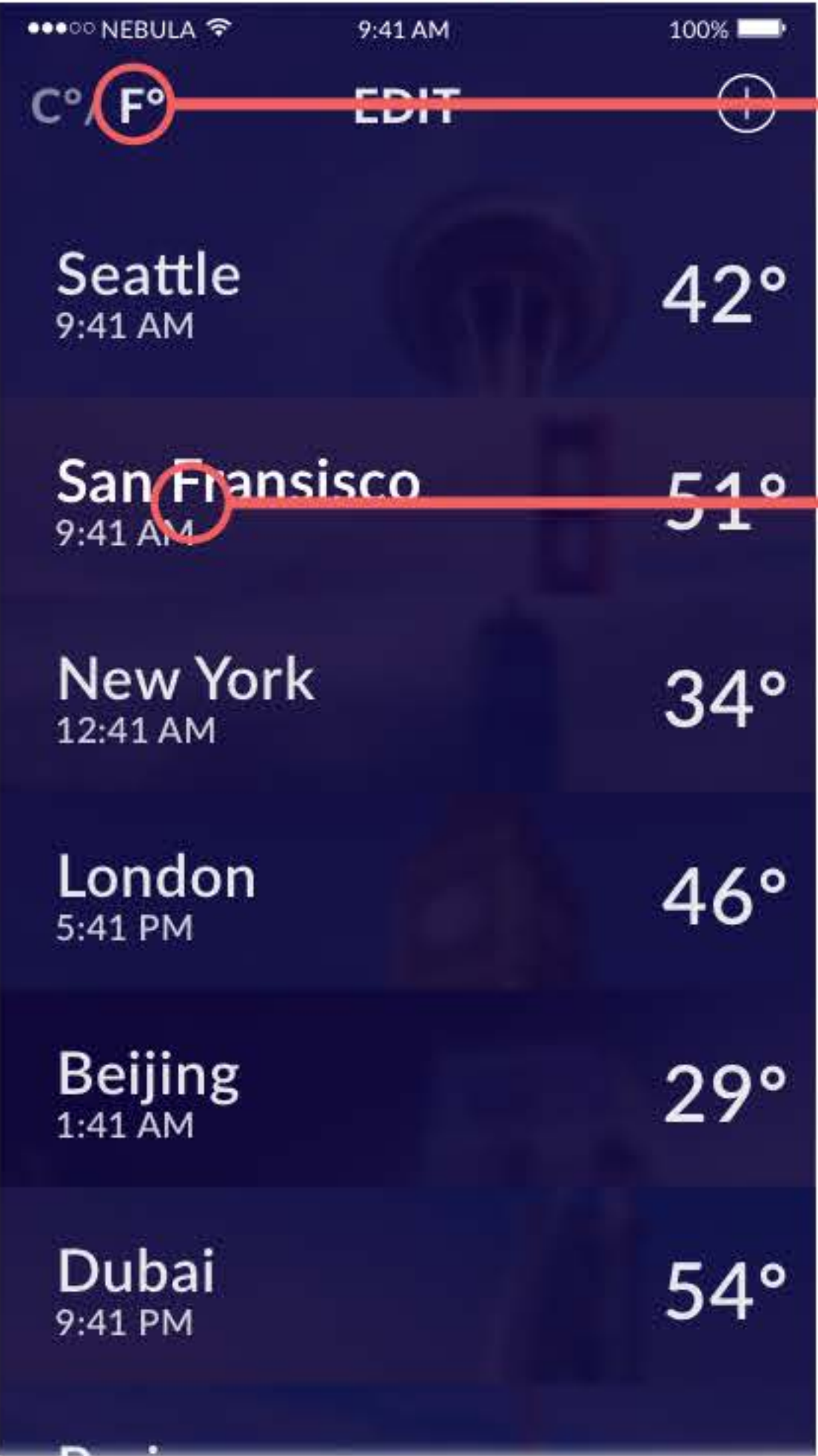
Easily toggle between celcius and fahrenheit modes.

Tap on a location to view more detailed weather information

Today view

●●●○○ NEBULA 🔋   9:41 AM   100% 🔋

Seattle
Partly Cloudy

49°

● ○ ○ ○ +

Today Week

10AM 11AM 12AM 1PM 2PM 3PM 4PM

31° 42° 46° 51° 37° 31° 38°

F°
60
50
40
30
20

Weekly forecasts can be toggled to daily forecasts; the seven day forecast becomes an hourly forecast for the day.

Week view

●●●○○ NEBULA 🔋   9:41 AM   100% 🔋

Seattle
Partly Cloudy

49°

● ○ ○ ○

Week Today
S M T W T F S

39°/50° 41°/48° 33°/46° 45°/48° 43°/51° 31°/51° 37°/45°

F°
60
50
40
30
20
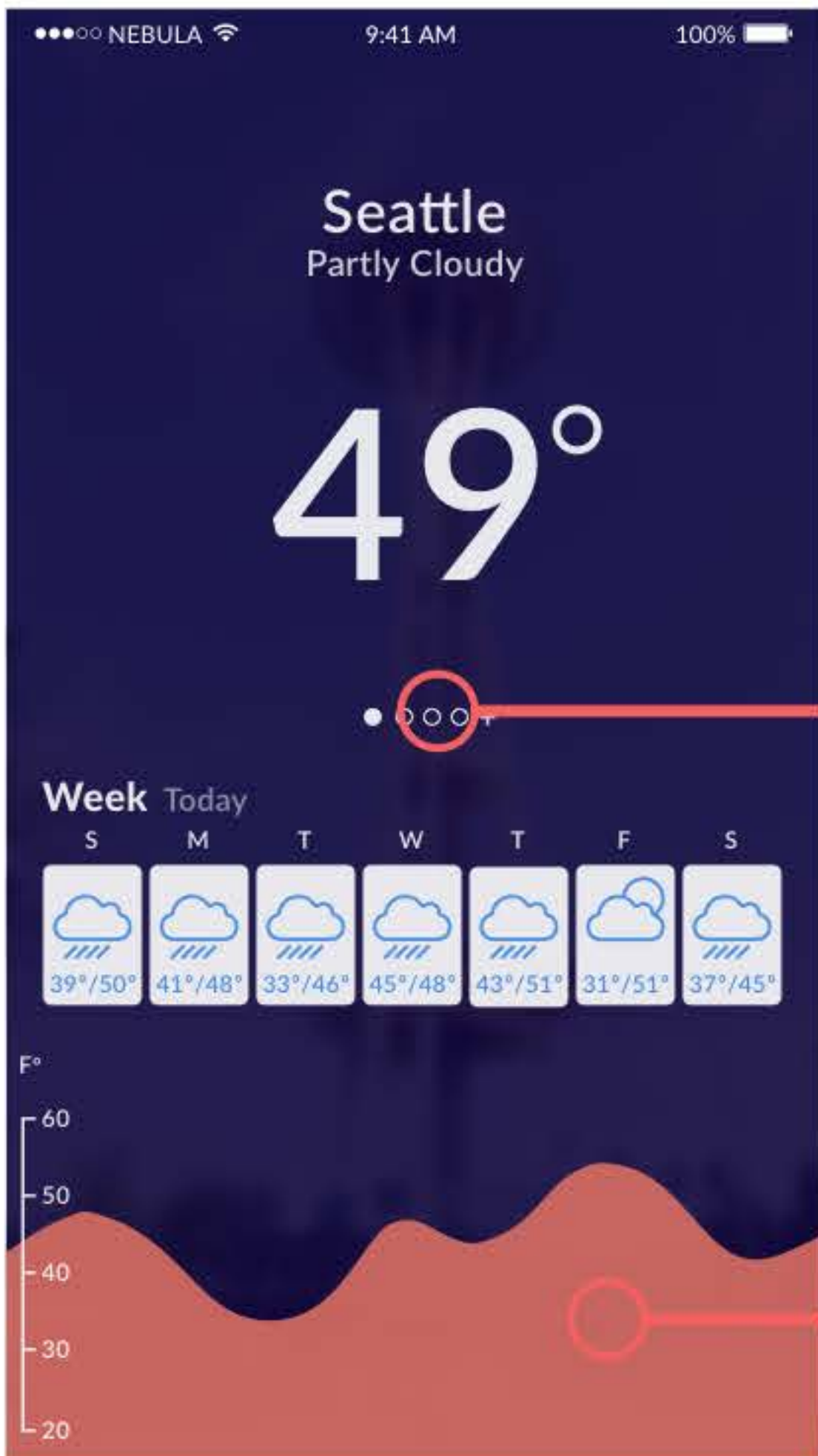
Swiping left or right selects the current location you are viewing.

Different informational graphs can be displayed at the bottom; currently, this one displays the weekly temperature trend.

MUSIC APP (Media Player)

My playlists view

Navigate within your music between your playlists, songs, and albums.

Pull your playlists from third-party apps such as Spotify or Soundcloud so that all your music is in one, convenient place.

Force touched song

This menu gives you additional actions for a specific song or album, and is accessed by force-touch.

Lineup page

Tapping the X removes the song or slbum from your current lineup.

My songs view

Menus at the top of the screen provide top-level navigation between your music, settings, and browse.

Each item in the song view shows the album art, song title, and artist.

Currently playing

Quick-access button to view your music queue, called "your lineup".

The progress bar provides a fast and easy way to scrub through your current music selection.

Browse music page

Featured playlists and newly released songs appear at the top of the browse page; customized to the tastes of the user.

Various content categories are displayed in the browse section such as "Trending artists", "From Top Charts", or themed offerings such as "Holiday Music".