



THE NEXT GENERATION OF MOBILE OS

NEBULA-OS

SIMPLICITY, ACCESSIBLE, AND MINIMALISTIC.

FROM IDEATION TO THE EXECUTION, MY TEAM AND I COLLABORATED FOR 10 WEEKS CREATING OVER FIVE ITERATIONS OF APPLICATION DESIGNS AND FUNCTIONS. I CREATED WIREFRAMES AND FINAL DESIGNS THAT ARE USED AS UI GUIDELINES BASED ON THE PRINCIPALS OF **SIMPLICITY**, **ACCESSIBLE**, AND **MINIMALISTIC**.

I SERVED AS THE USER EXPERIENCE DESIGNER AND RESEARCHER FOR NEBULAOS'S DESIGN PROCESS TO CREATE UX/UI DESIGNS.

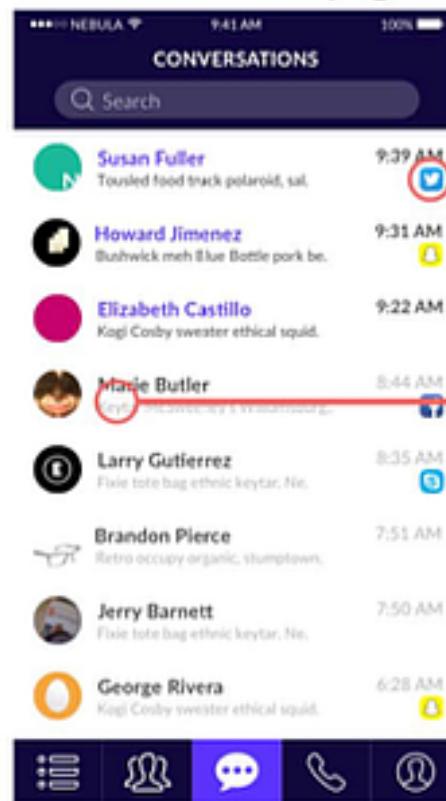
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MESSENGER APP

(Messages + Caller Apps)

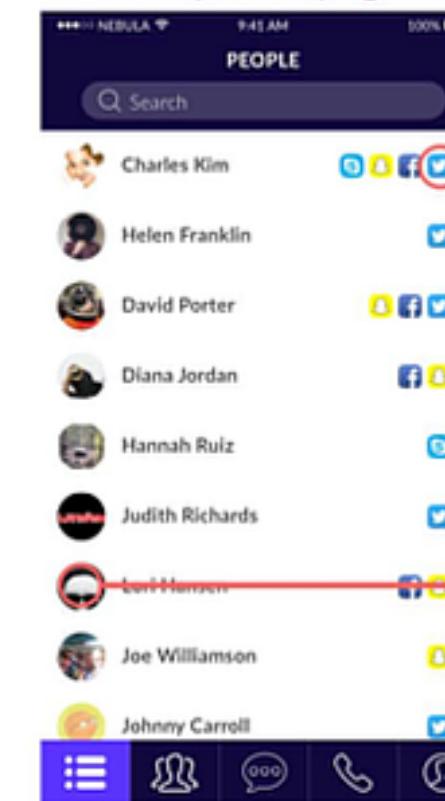
Conversations page



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.

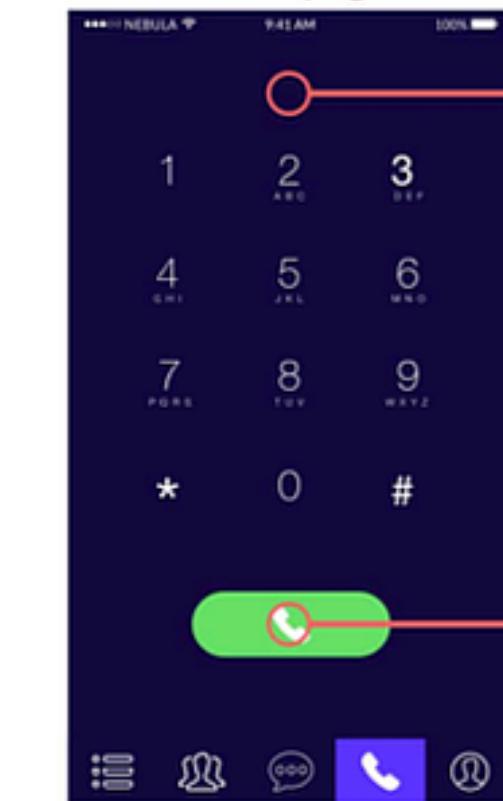
People list page



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

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

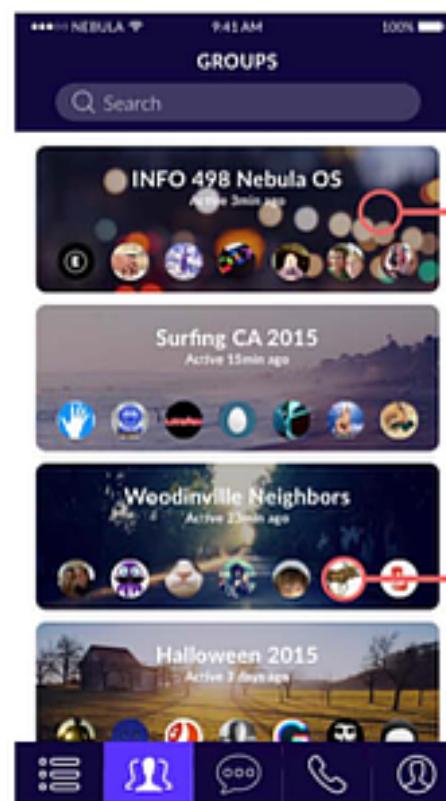
Dialer page



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



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

Loads profile information from these group conversations

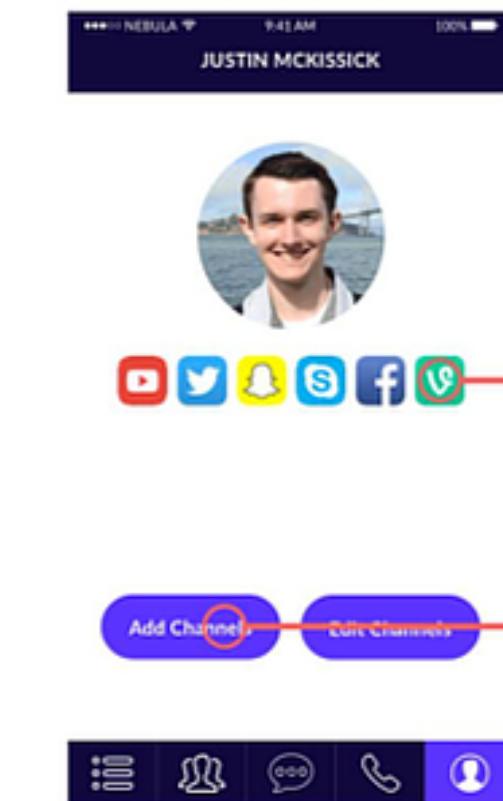
In-conversation



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



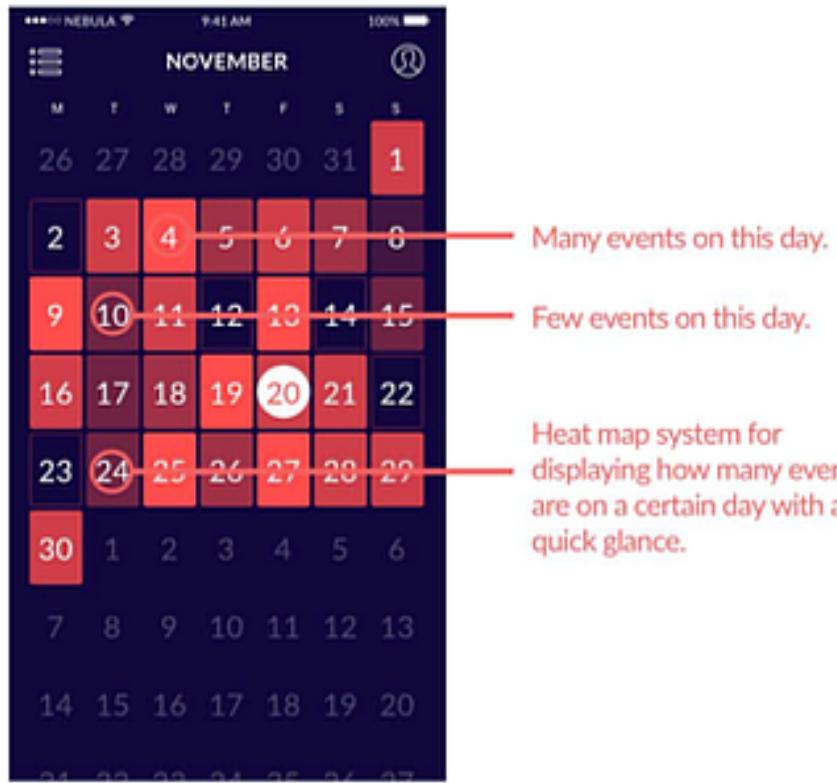
Different social media accounts that are associated with your messenger account can be toggled on/off.

14 different social media accounts and services are currently supported.

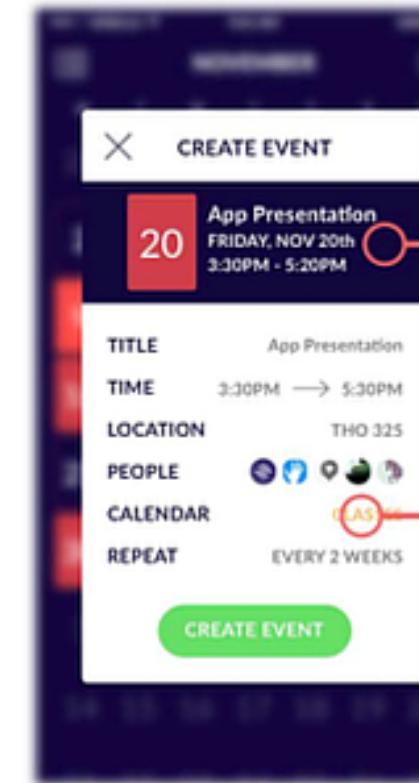
EVENTS APP

(Calendar + Tasks Apps)

Calendar month view



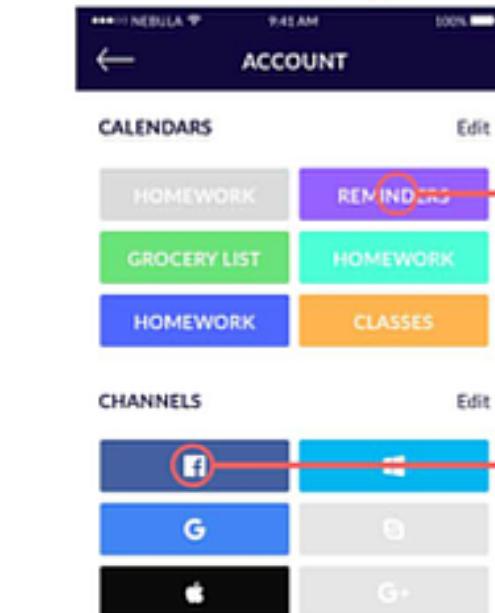
Create event modal



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.

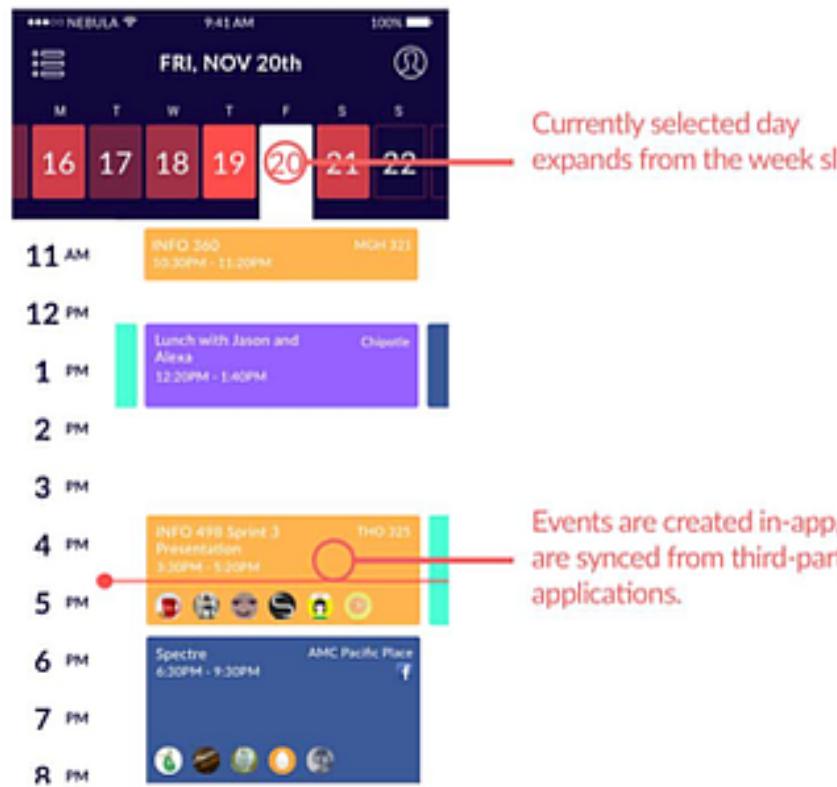
Account page



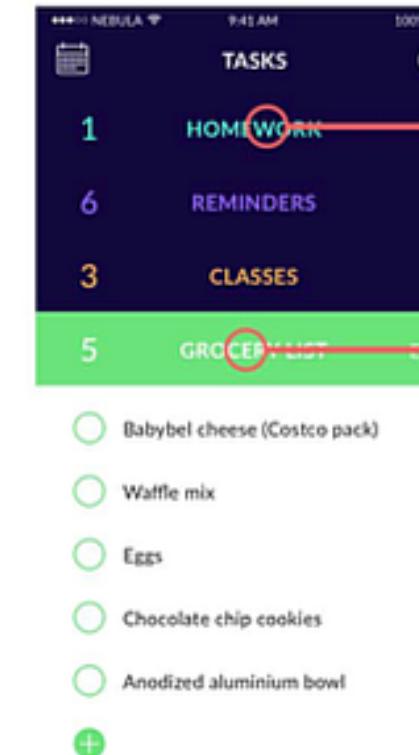
Easily toggle different calendar that you want to display.

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

Calendar weekly view



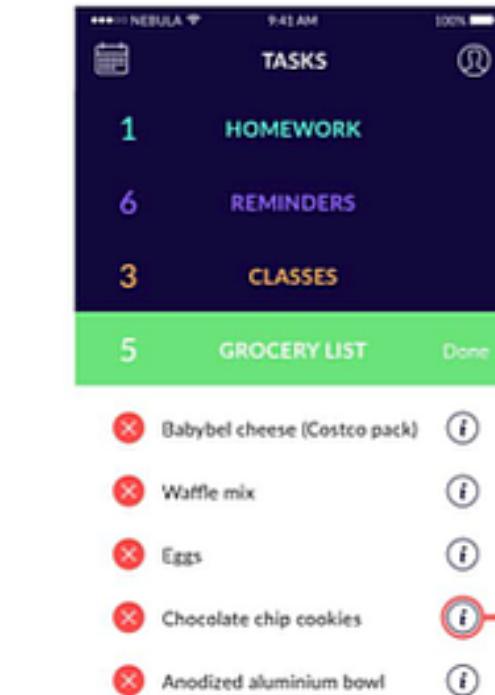
Tasks list expanded



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



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

HEALTH APP

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Health overview page



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

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

Daily fitness page



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.

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

Sleep analysis expanded



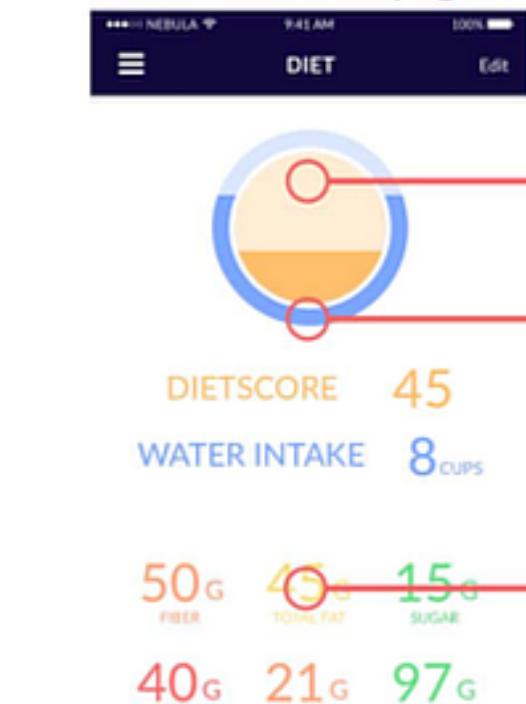
Graphs show visually how certain data tracked changes over time.

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.

TIP

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

Diet overview page

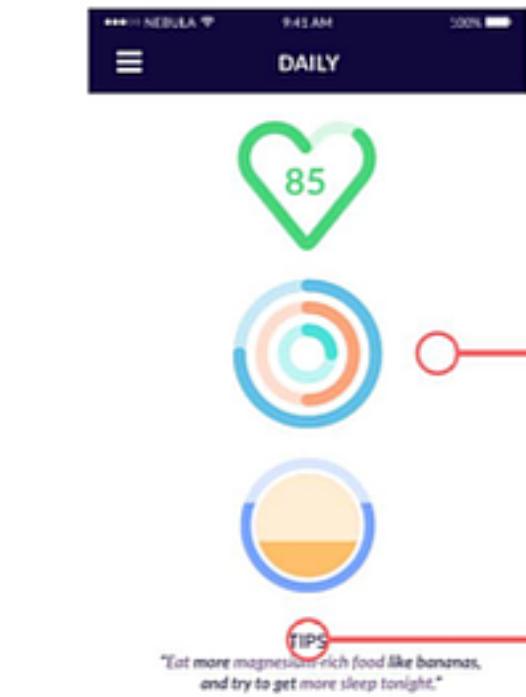


The center circle tracks nutrition throughout the day.

The outer circle tracks water consumed throughout the day.

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 overview page



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

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

PHOTOS APP

Albums page



Swipe between your albums, photos, and videos categorically.

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

Photos within album



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



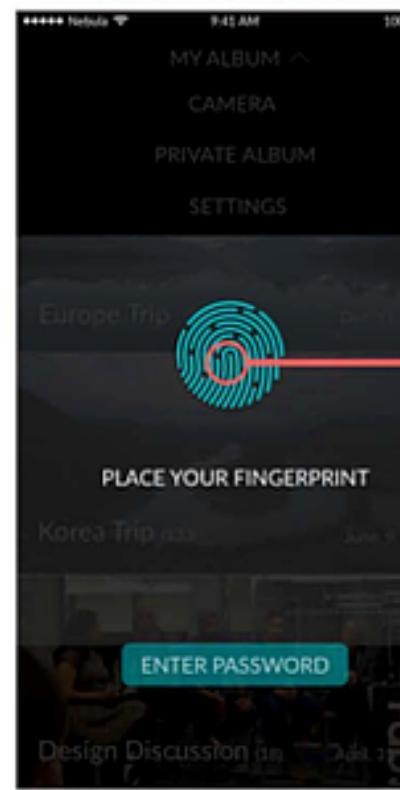
Share the current photo over your linked social media accounts, or via messenger.

Menu toggled



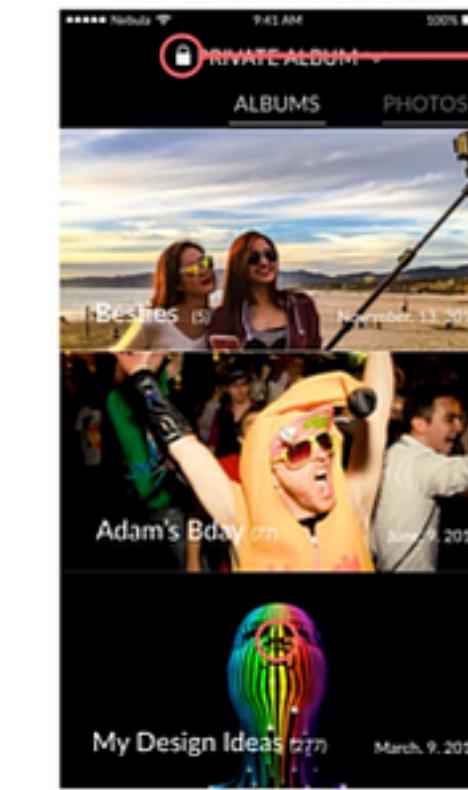
Different top-level navigation options are available by tapping on the current screen title.

Private album unlock



Unlocking a private album can be done via biometric scanner, or a traditional password field.

Secret albums page



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

CLOCK APP

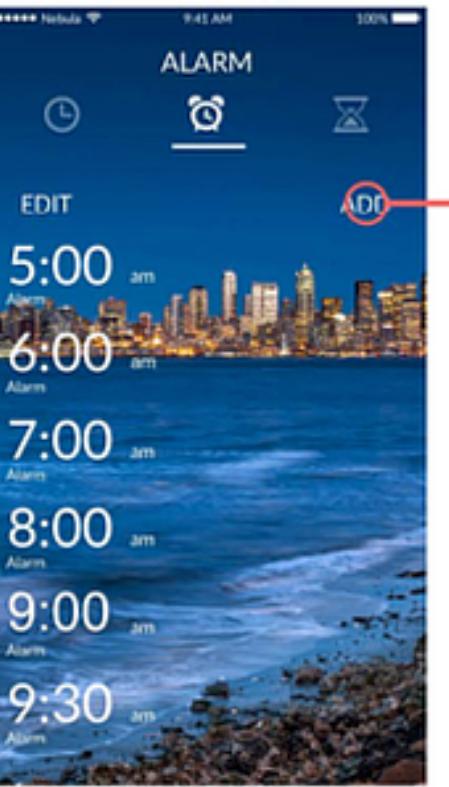
Clock page



Swipe between your clocks, alarms, and stopwatch pages.

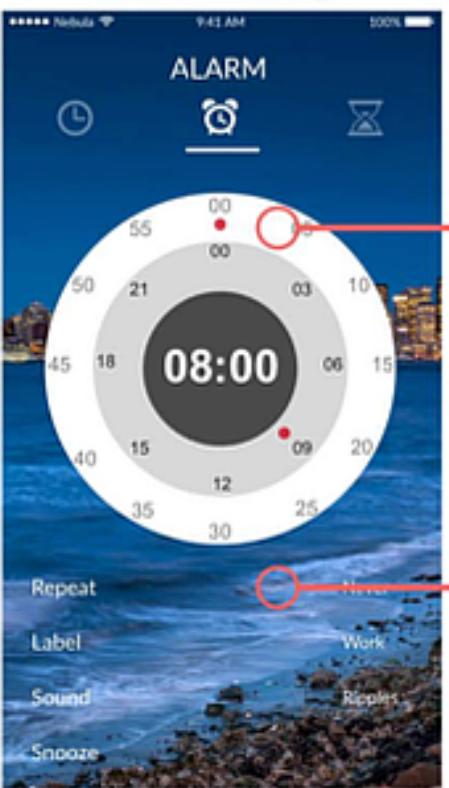
This clock design was inspired by the Mondaine Swiss Railway Watchface.

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

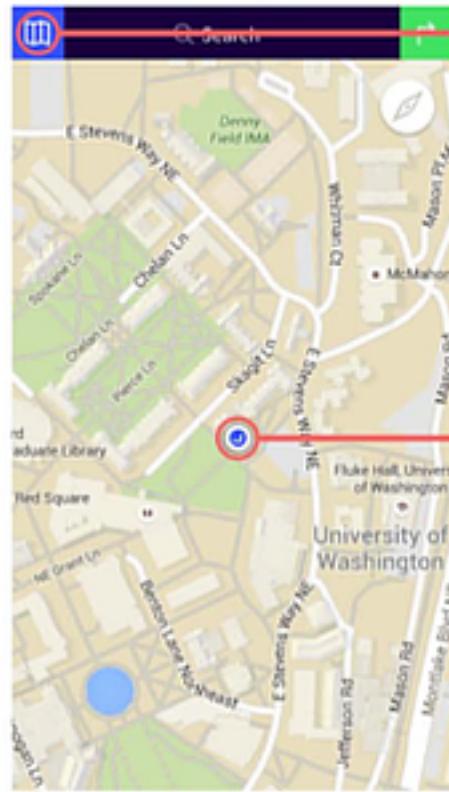
Stopwatch page



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

MAPS APP

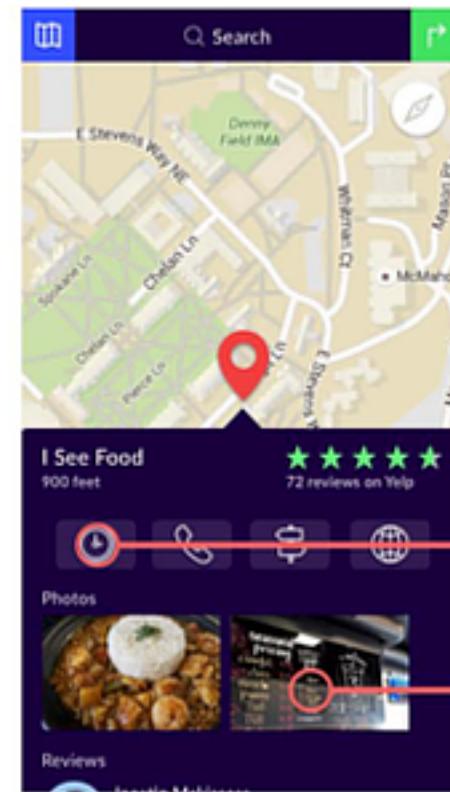
Main map view



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.

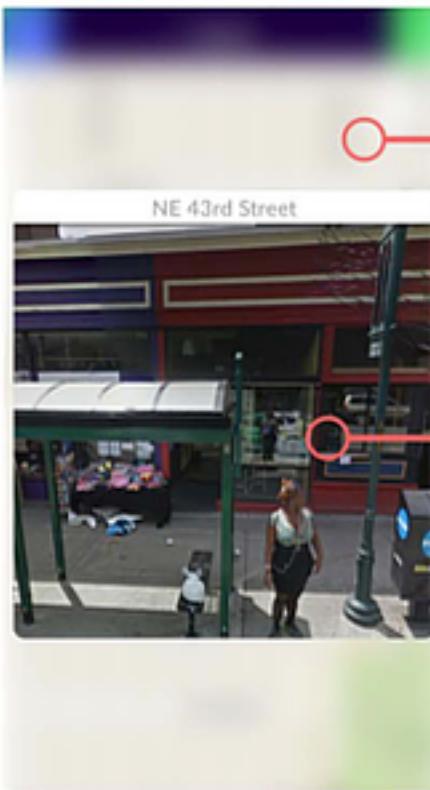
Selected location view



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.

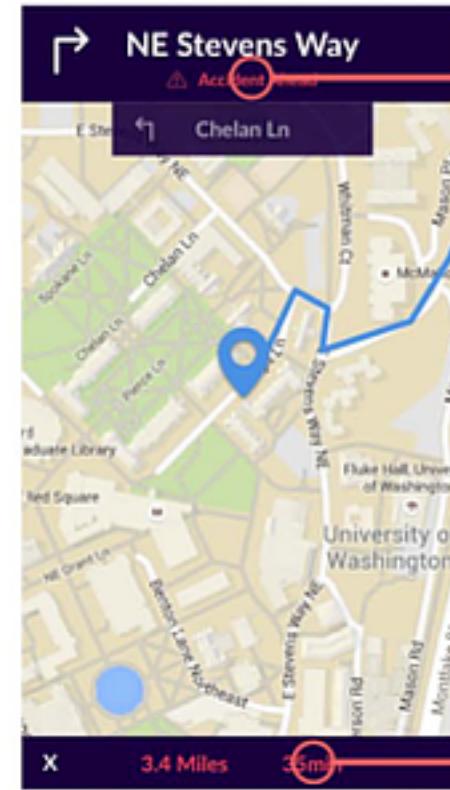
Location peek view



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



The turn-by-turn navigation will notify you if there are any unexpected road hazards ahead (powered via Waze)

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

WEB BROWSER APP



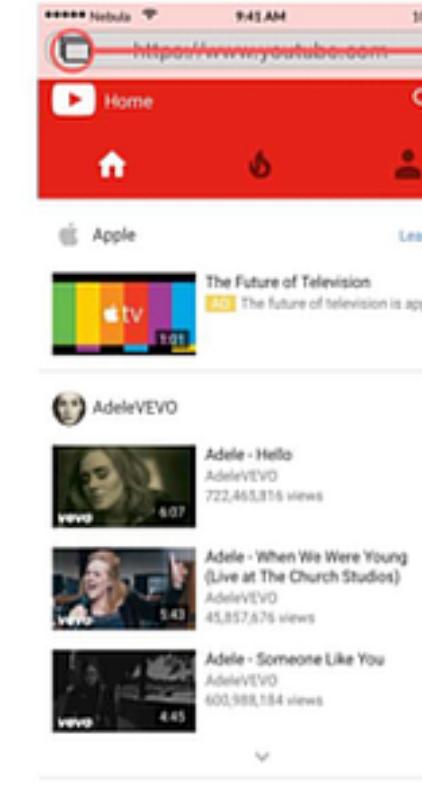
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New search page



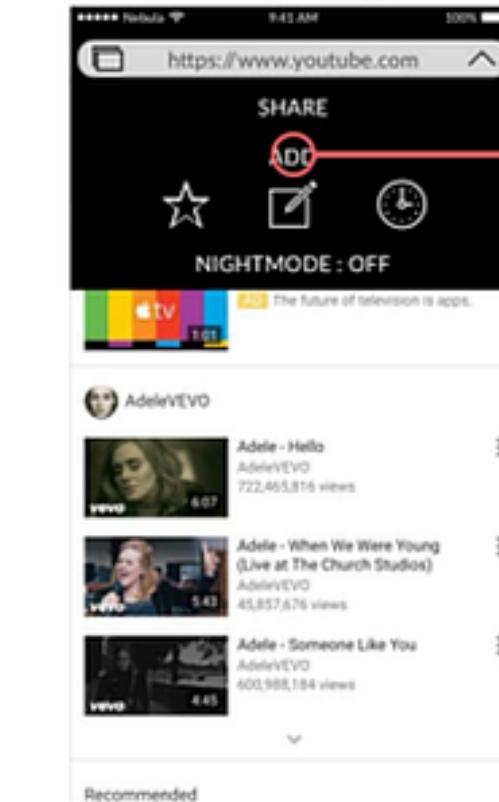
Save your favorite web pages and have them easy to access, right from your new tab screen.

Main browser view



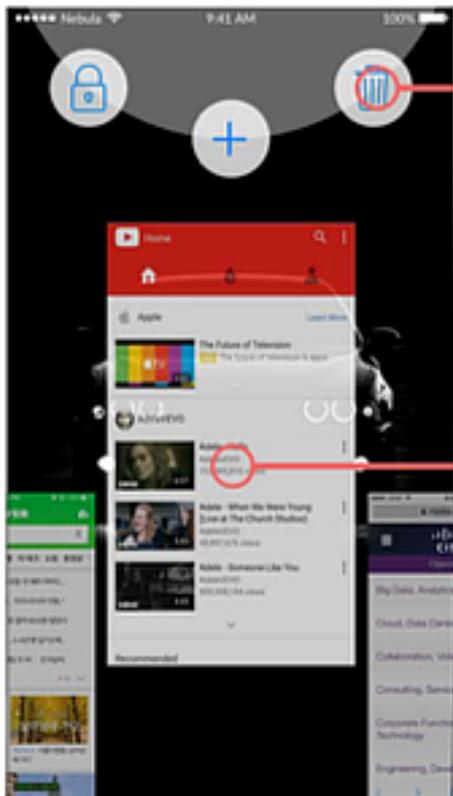
Tabbed view lets you browse through all of your tabs you currently have open on your device.

Add-to page



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

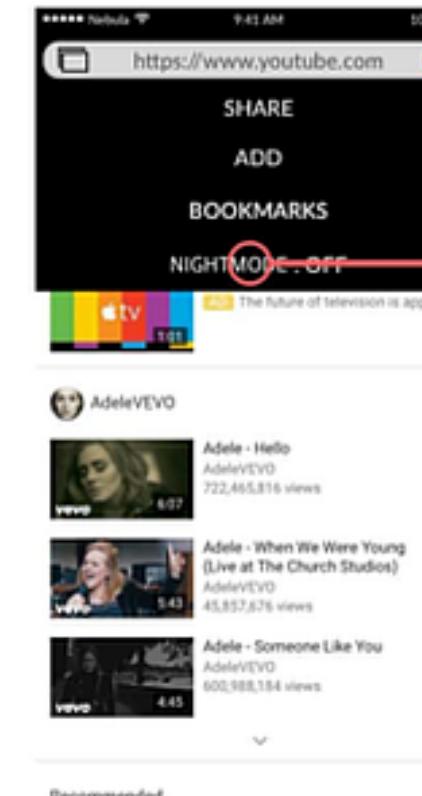
Tab shift page



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

Swipe between pages with carousel-style rotation.

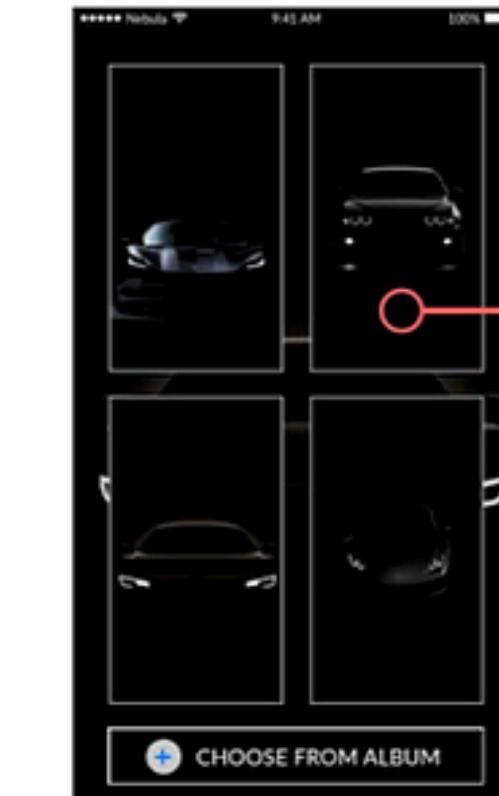
Browser menu view



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.

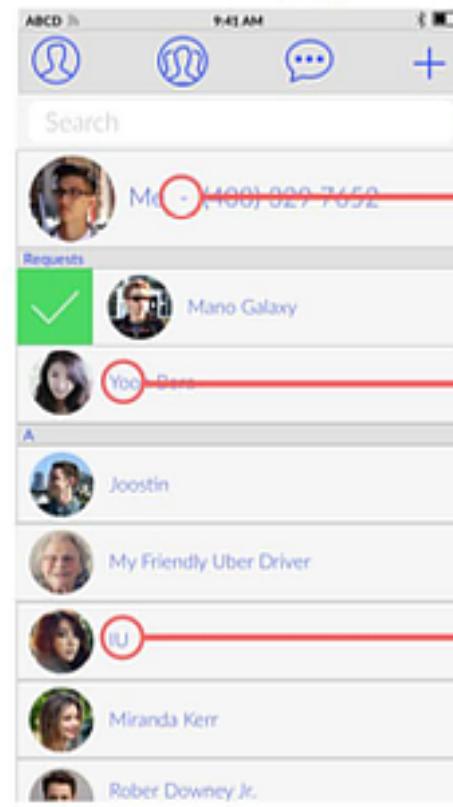
Customize background



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

CONTACTS APP

Contacts page

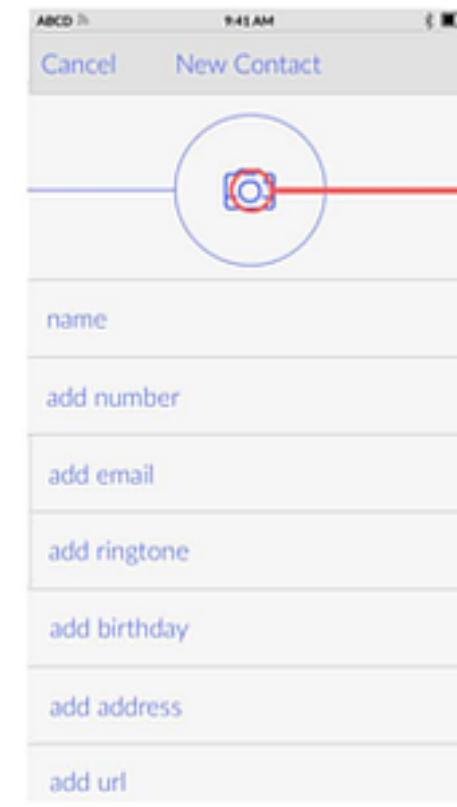


View and edit your own contact information on the contacts page

Accept or decline contact requests from third party applications, as well as through NebulaOS NFC contact exchange.

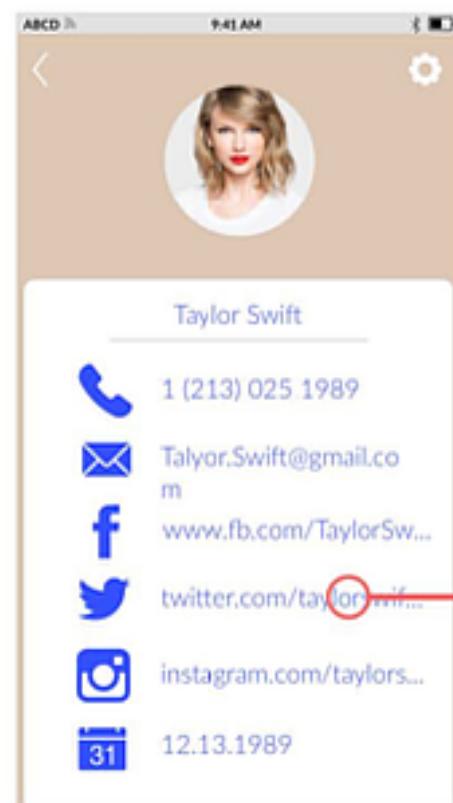
Contacts are displayed alphabetically by name (although not in this example).

Create new contact



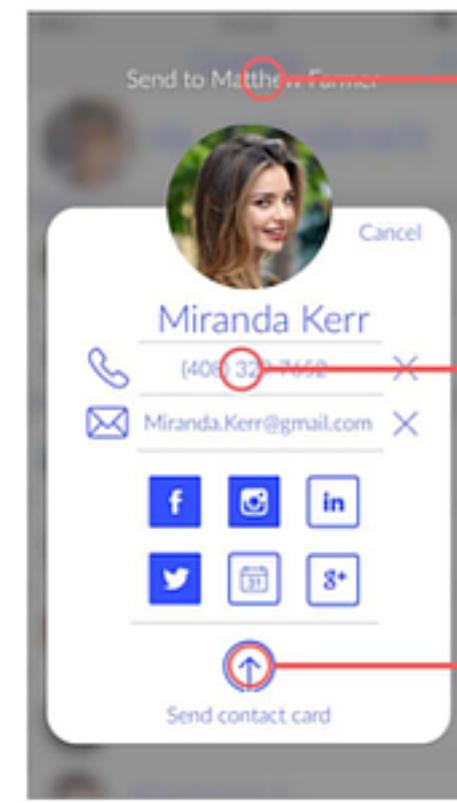
Select and input different options for a new contact, such as photo, name, etc.

View contact



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

Send contact card



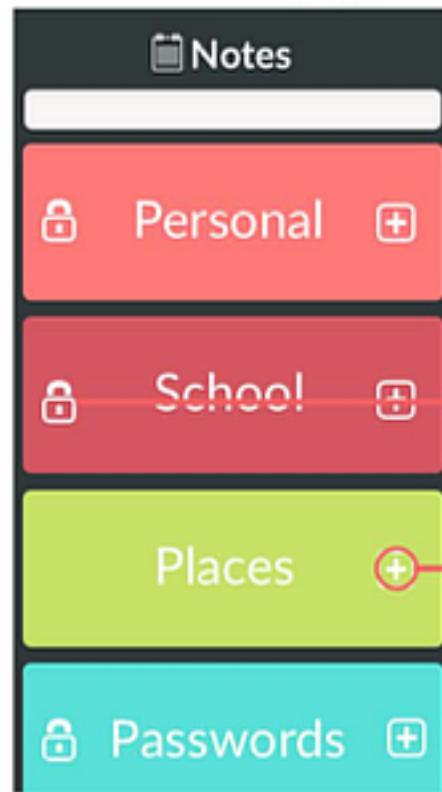
The recipient of the contact card exchange.

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 recipient's phone.

NOTES APP

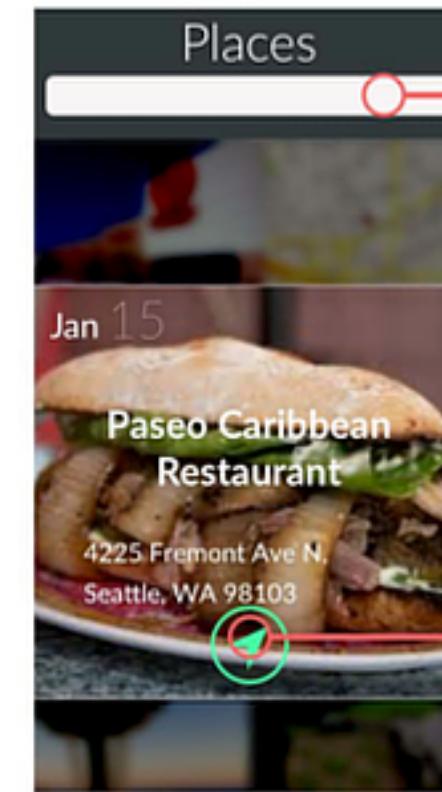
Main notes page



Lock icons indicate a password locked journal.

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

Selected place view



Search the current journal or notes page that you are in.

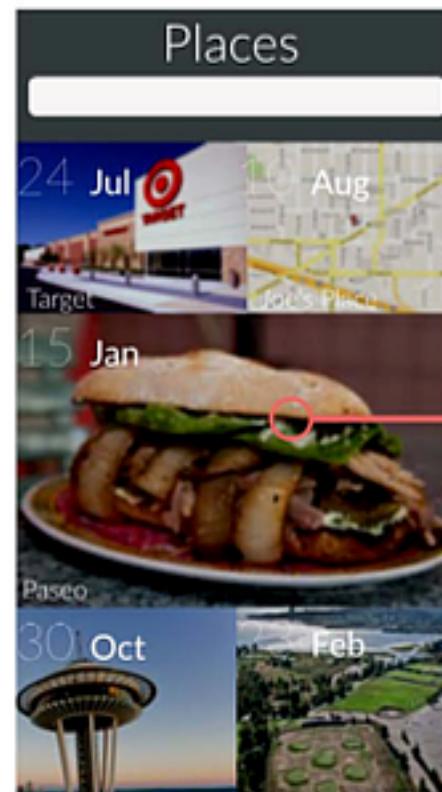
If you ever want to go back to a saved location, you can tap the navigate button to automatically find you directions.

Locked school journal



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

"Places" journal page



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

Opened school journal



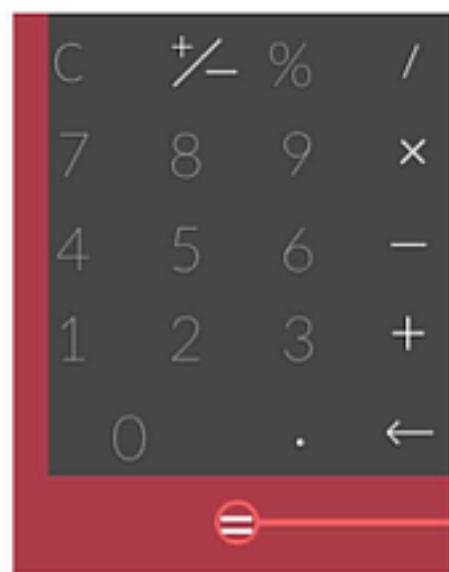
View different notes in the journal, such as text entries, pictures, or audio clips.

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

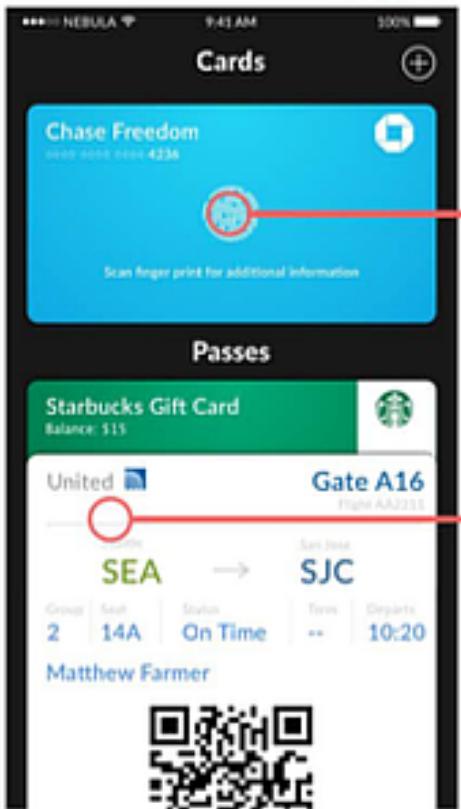
67.89



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

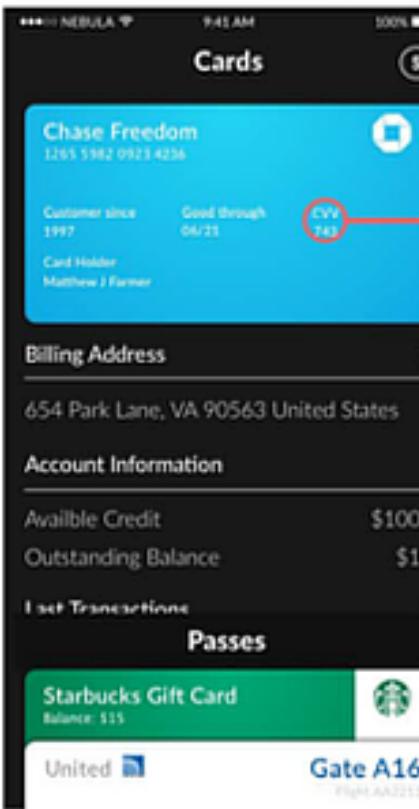
Wallet overview page



Debit and credit cards (forms of payment) are at the top of the page.

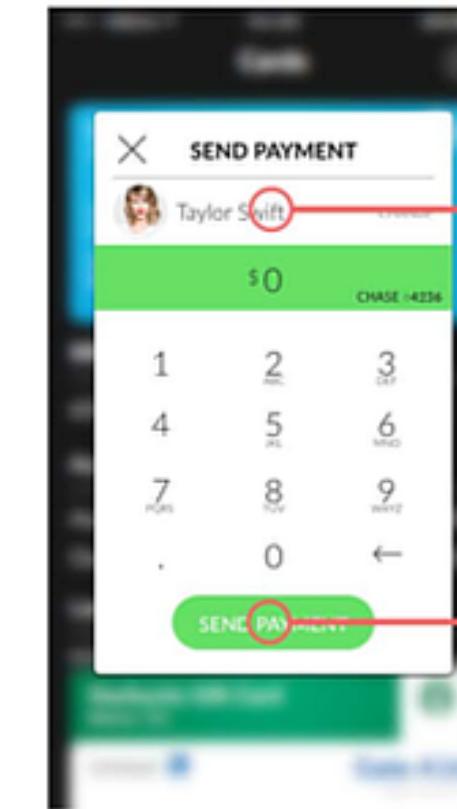
Passes are displayed separately from cards; they contain coupons, gift cards, and tickets for events or transportation.

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.

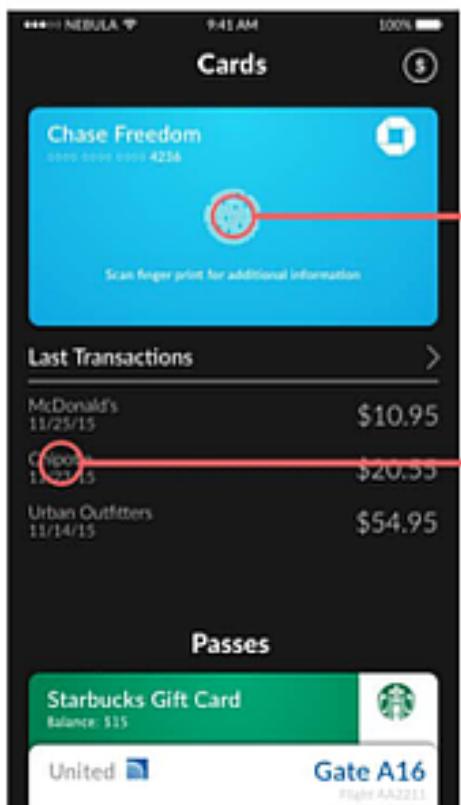
Send payment view



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.

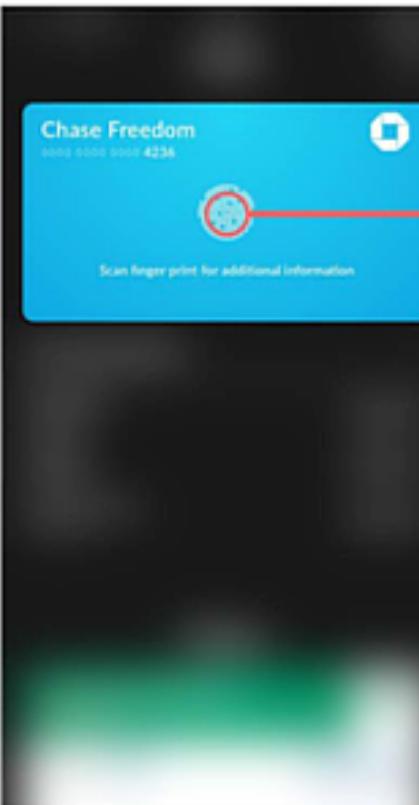
Locked card display



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 accessible 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

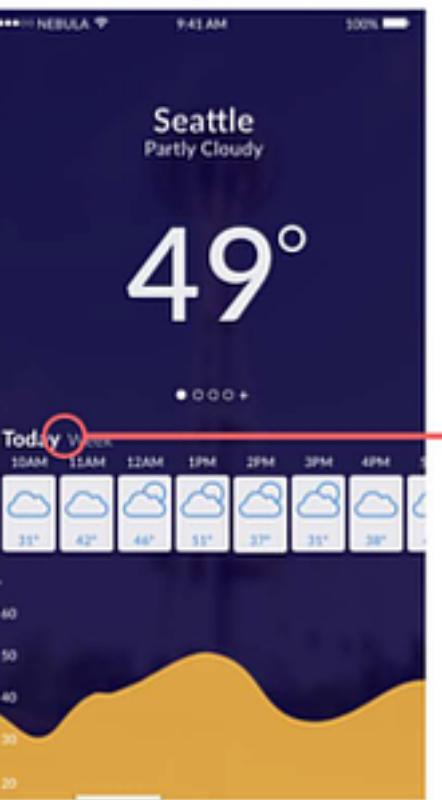
Locations page



Easily toggle between celcius and fahrenheit modes.

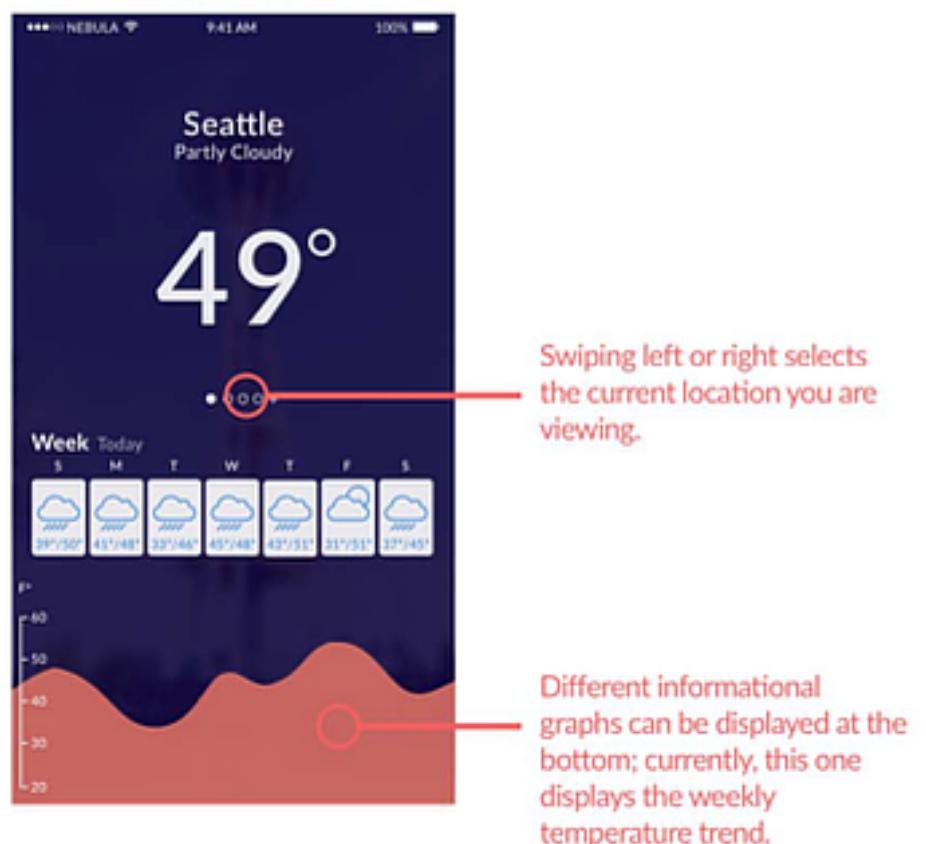
Tap on a location to view more detailed weather information

Today view



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

Week view



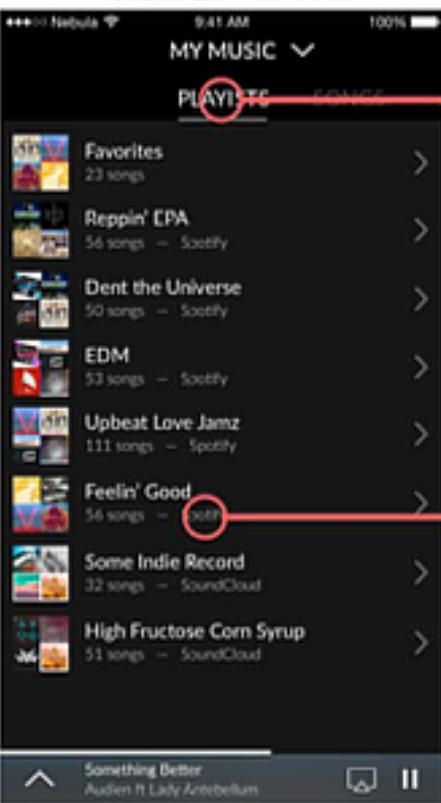
Swiping left or right selects the current location you are viewing.

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

MUSIC APP (Media Player)

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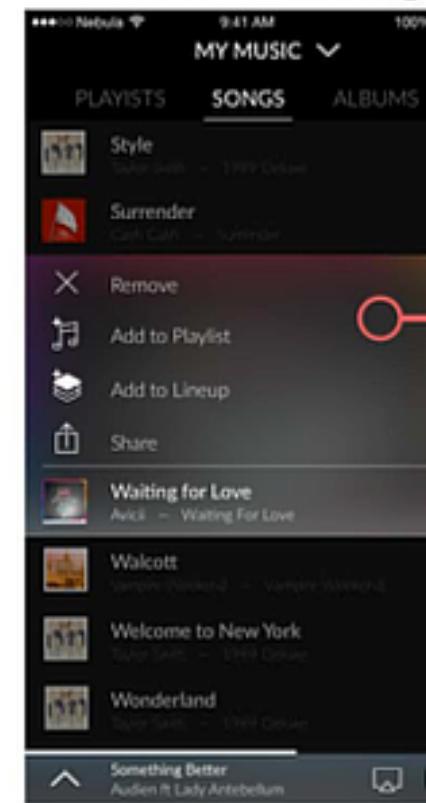
My playlists view



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

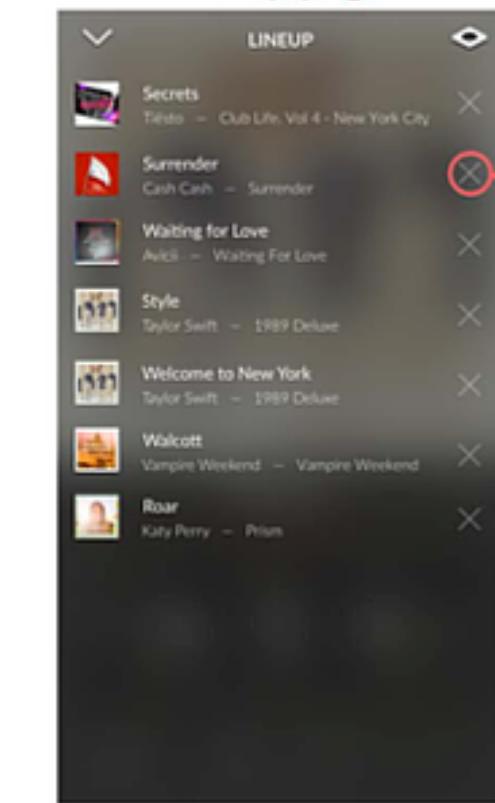
Pull your playlists from third-party apps such as Spotify or Soundcloud so that all your music is in one, convenient place.

Force touched song



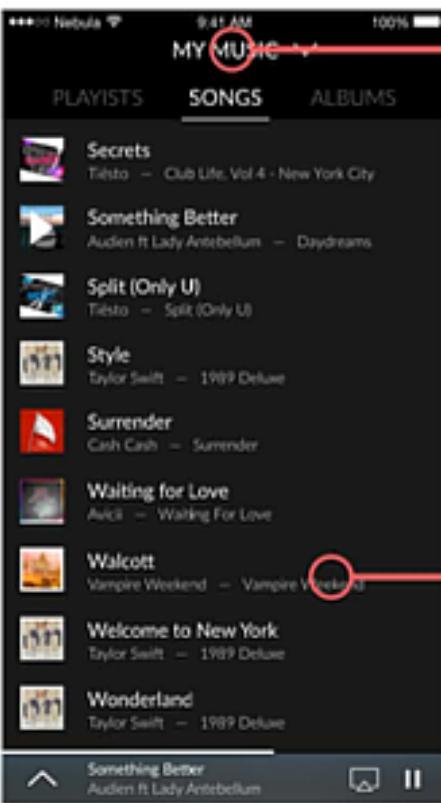
This menu gives you additional actions for a specific song or album, and is accessed by force-touch.

Lineup page



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

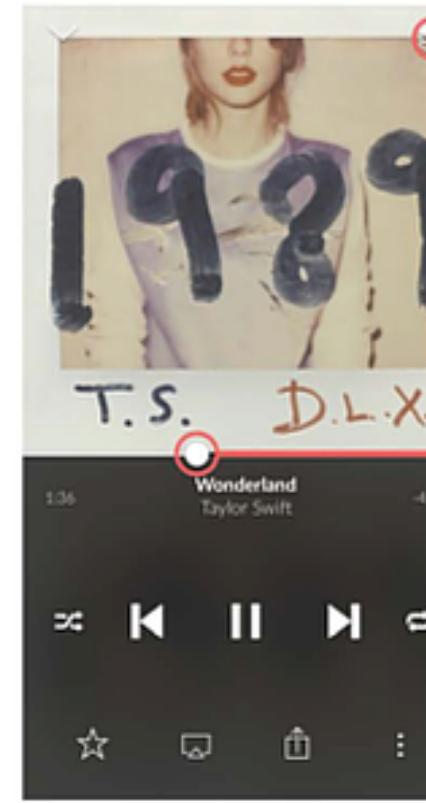
My songs view



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.

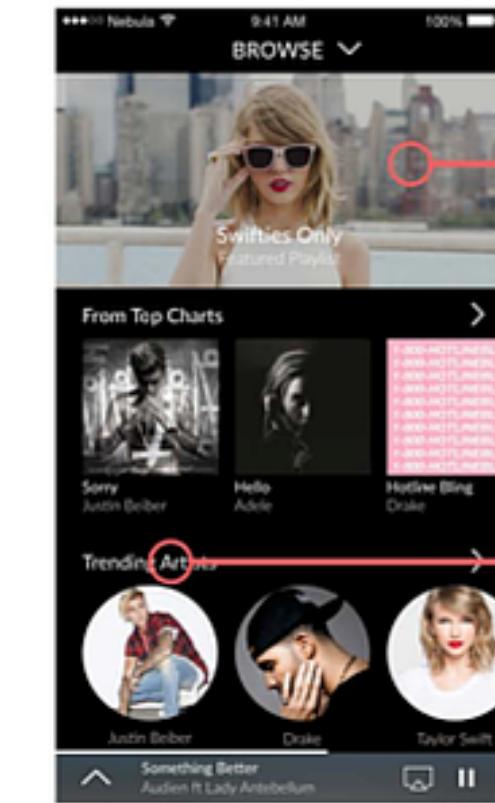
Currently playing



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".

INFO 498 (MOBILE DESIGN) FINAL PROJECT

NEBULA-OS

THANK YOU FOR VIEWING

JUSTIN, MATTHEW, SEAN, CHAN, SIM, SANG