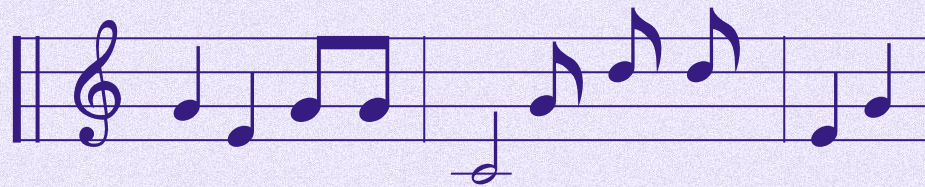


Assignment 8: High-fi Prototype

record team:

Sophia, Ellie, Amy &
Leilenah





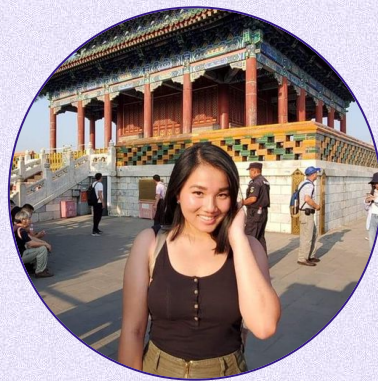
Team Record



Sophia
Ramsey



Ellie
Vela



Amy
Lo



Leilenah
Mamea

Problem

Many of our interviewees turn to **music** to attempt to deal with their **emotions**, even though it **doesn't always work**.

Record

We listen, and so do you.

Value Proposition

Analyze your Emotions
Using Music

Outline



Heuristic Evaluation

Summary of Results from HE



UI Revisions

Changes we made based on HE



Prototype Status

Progress we've made on building the Hi-Fi



Live Demo

Live demonstration of our current prototype

Heuristic Evaluations

Violation Summary

67 Total Violations

1 Severity 4
18 Severity 3
21 Severity 2
27 Severity 1

Most Common Violations

H4: Consistency and
Standards (13)
H8: Aesthetic and
Minimalist Design (13)

Overall Changes

First Read

Focus more on journaling

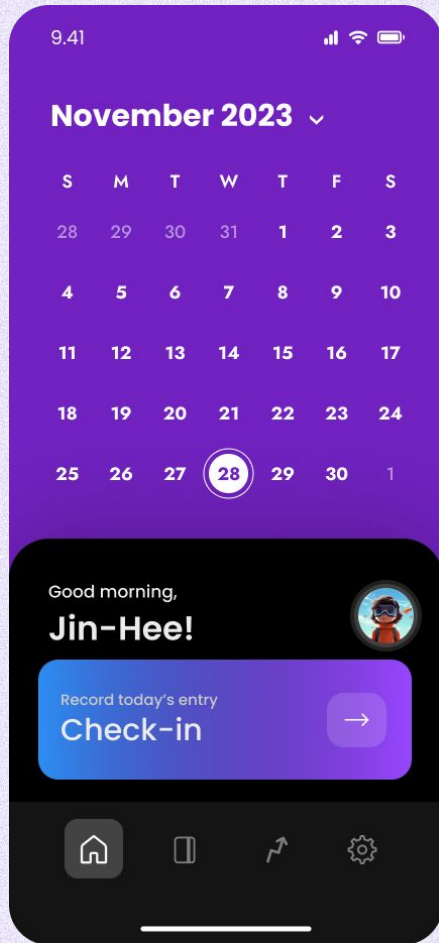
Intentionality

Color use and action items should be more simple

Interpretability

Icons and action items should be more clear, and data should have meaning

Old



First Read

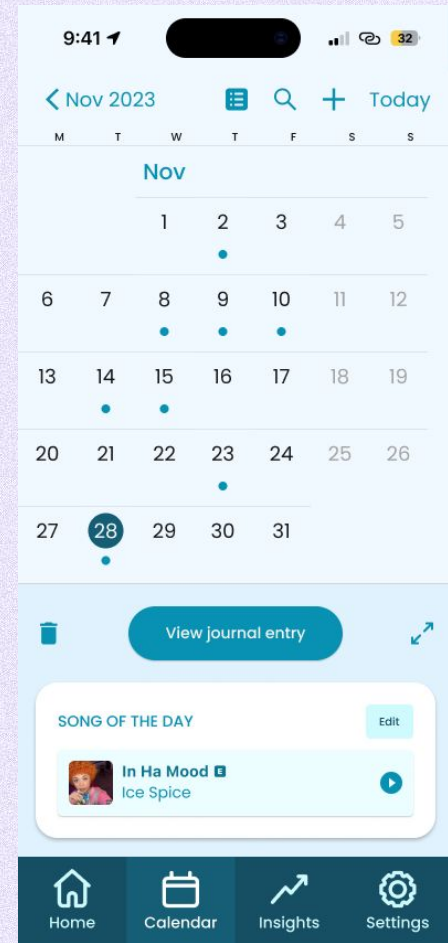
Issue:

Calendar is a majority of screen during part of check-in process, and it is colored purple, which in other places indicates a call to action.

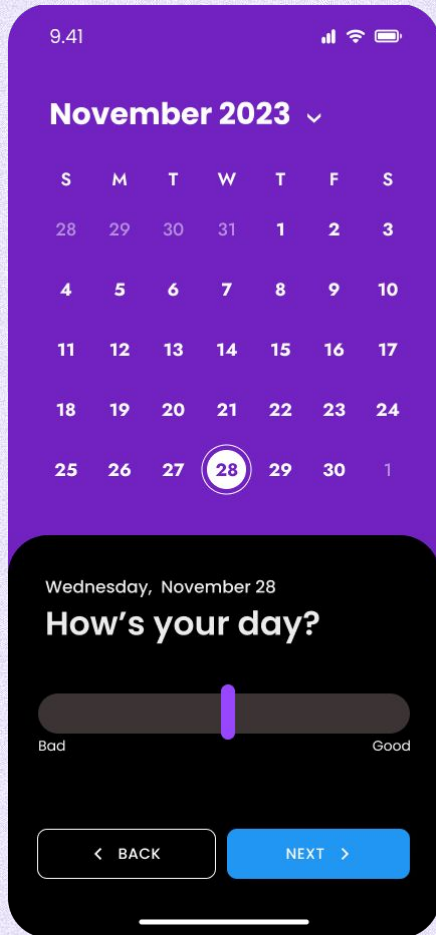
Fix:

Move the calendar to a separate tab so it's not the first read, change the coloring

New



Old



Color Scheme

Issue:

The combination of black, dark gray, light gray, and bright purple was too straining for users

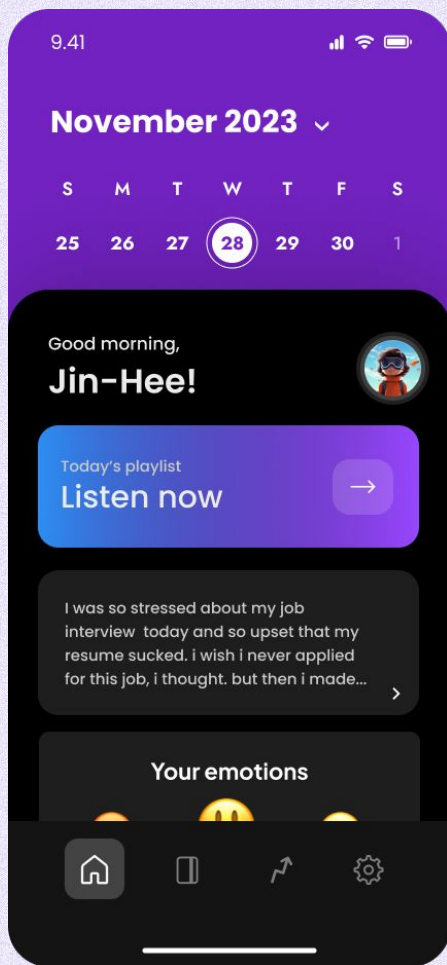
Fix:

Switch to a light mode color scheme with less saturated colors

New



Old



Home Screen Actions

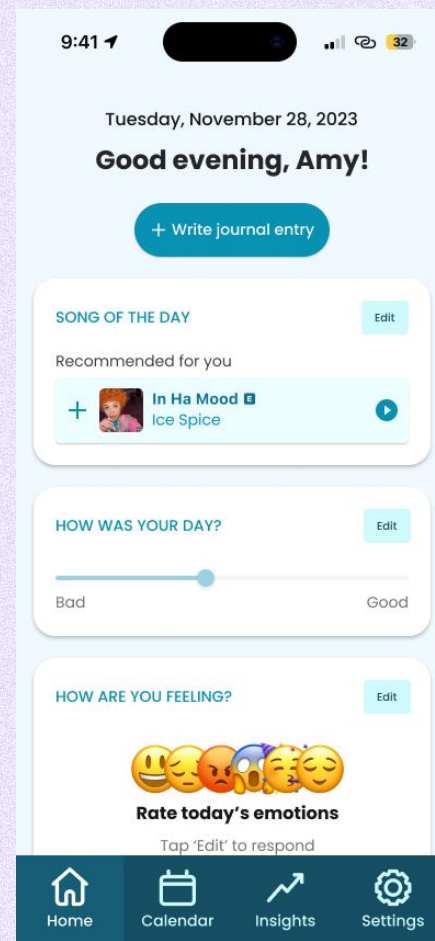
Issue:

It's not obvious that users can drag up on the journal summary card

Fix:

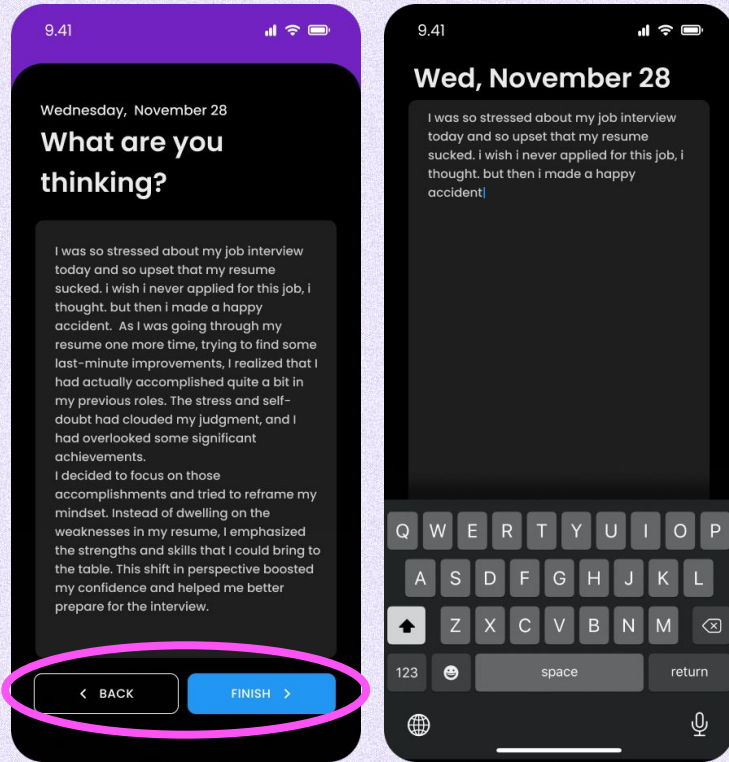
Remove the card and make the screen scrollable

New

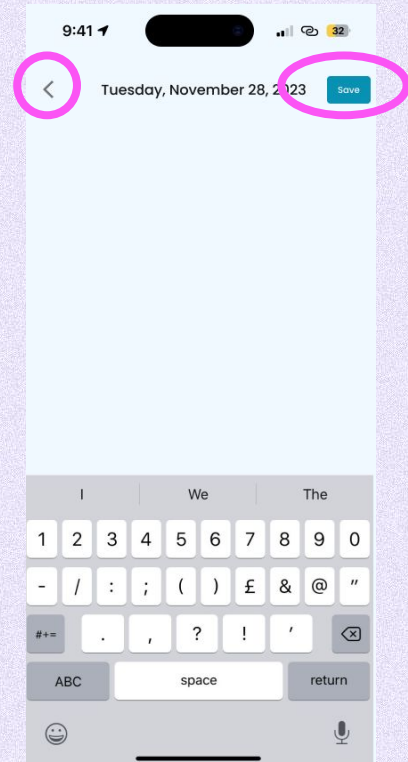


Journal Entry Actions

Old



New



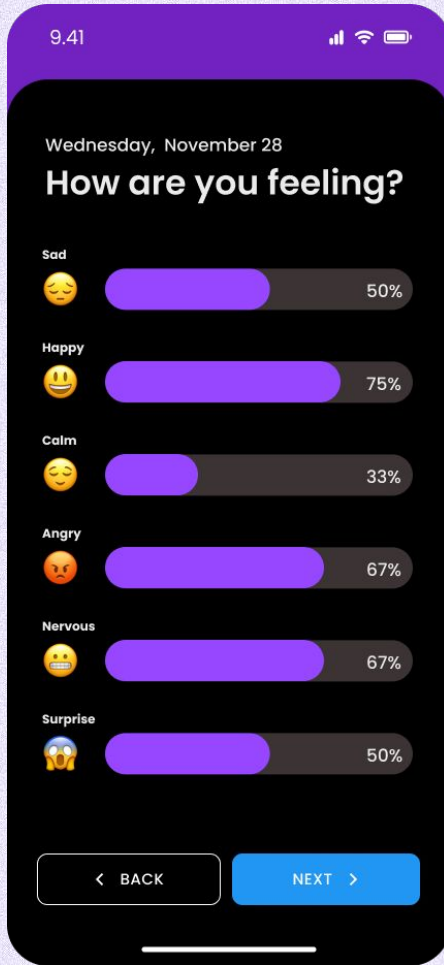
Issues:

Upon tapping to write a journal entry, the back and save buttons would be covered by the keyboard, so there is no clear way to submit the text.

Fix:

Place the back and save buttons at the top of the screen

Old



Data Collection

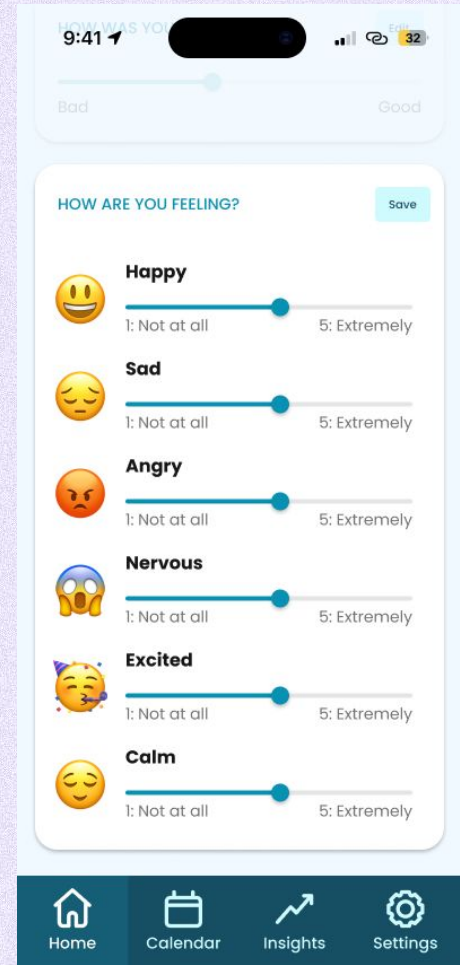
Issue:

Percentages did not have any real-world meaning for users

Fix:

Switch to sliders and add labels to help guide the user

New

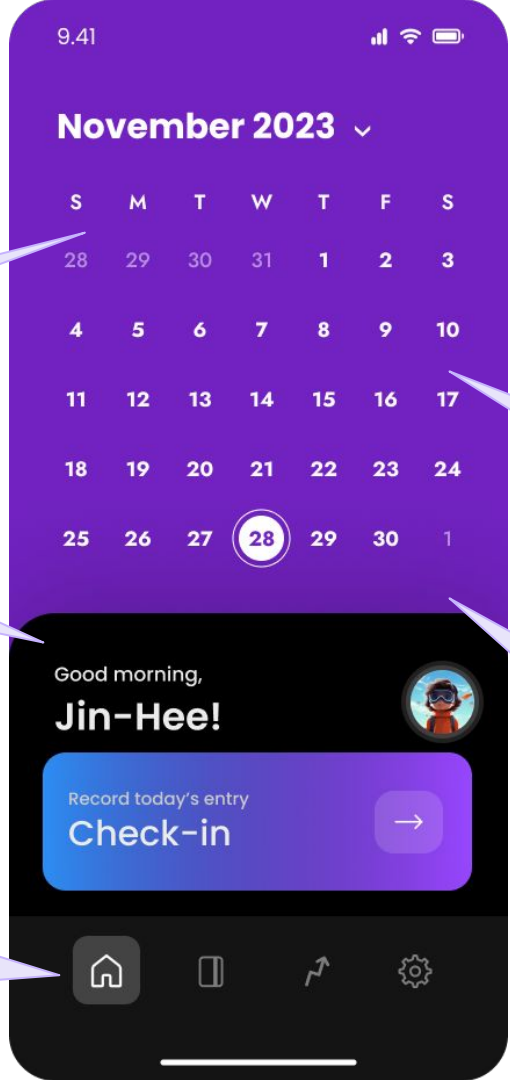


UI and product revisions

Note: We are still changing our colors for our app & are taking suggestions!

Simple Task

BEFORE: Home Screen



Dark color scheme

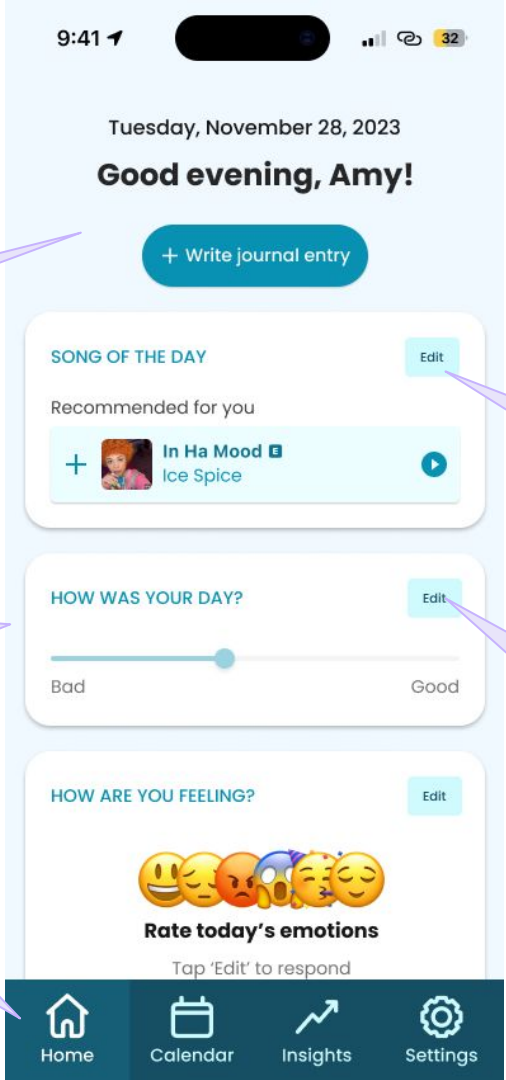
Bottom sheet unclear to swipe

Unlabelled navigation unclear to users

Calendar takes up too much of screen

Not clear how to do simple tasks (write journal entry)

AFTER: Home Screen



Light color scheme

Modular atomic design system & color tokens

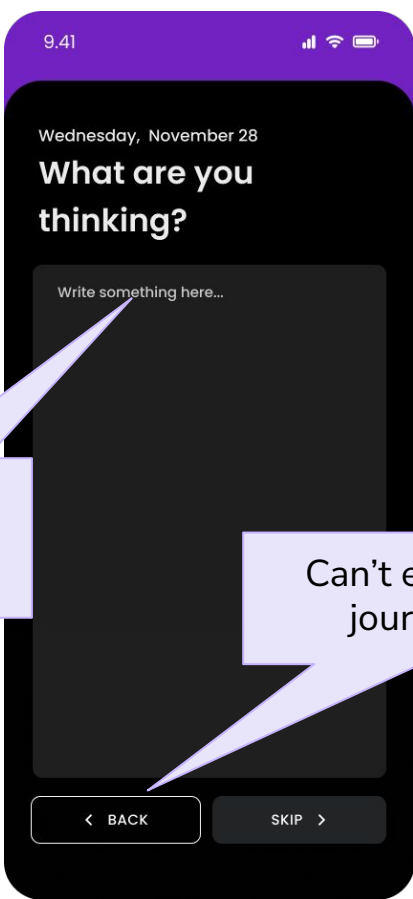
Labelled & consistent navigation

Consistent button color & placement

Vertical scroll of cards instead of step by step

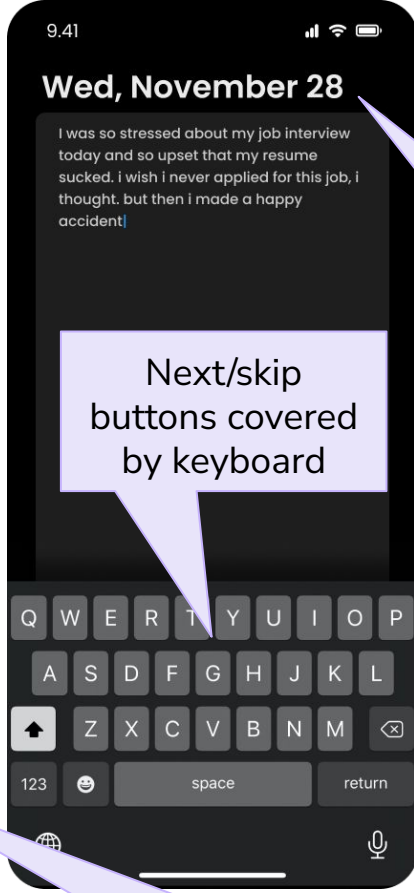
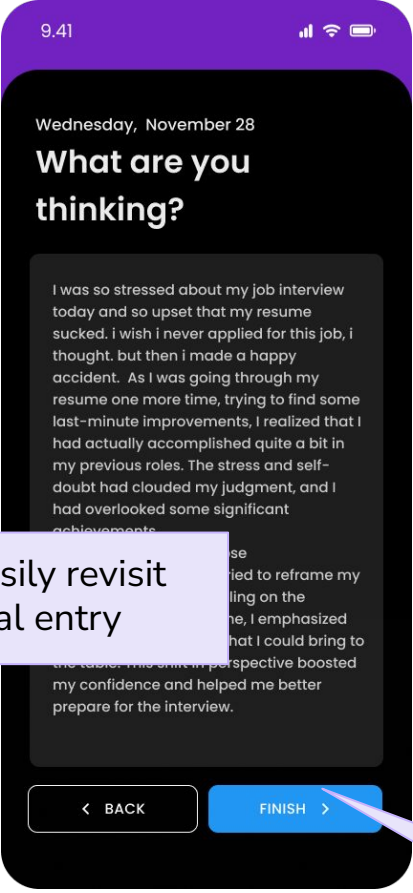
*Write journal
entry*

Before: Write entry



Hard to see text & small textbox

Can't easily revisit journal entry

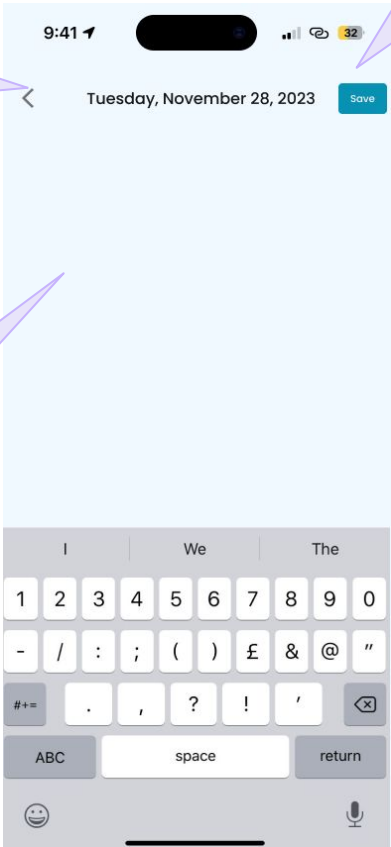


Header changes abruptly

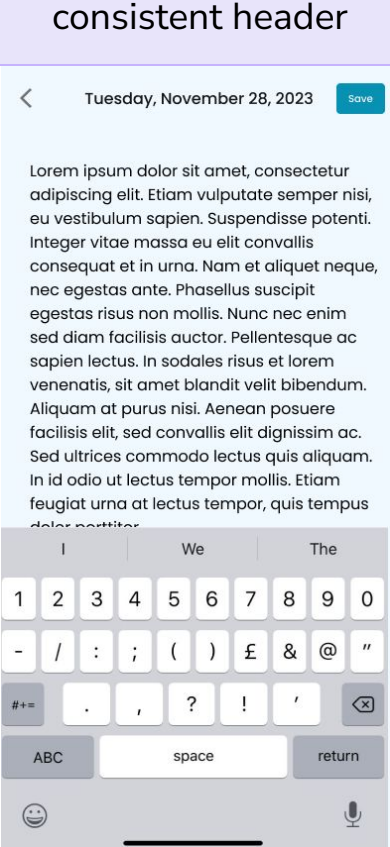
No option to save

Before: Write entry

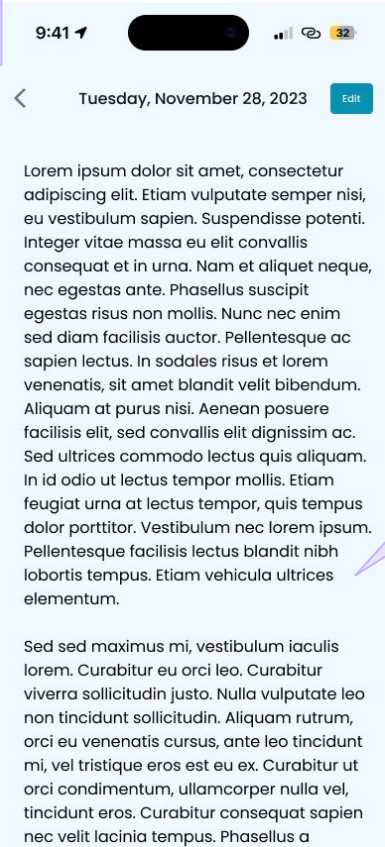
Back button



Save/edit button with consistent header



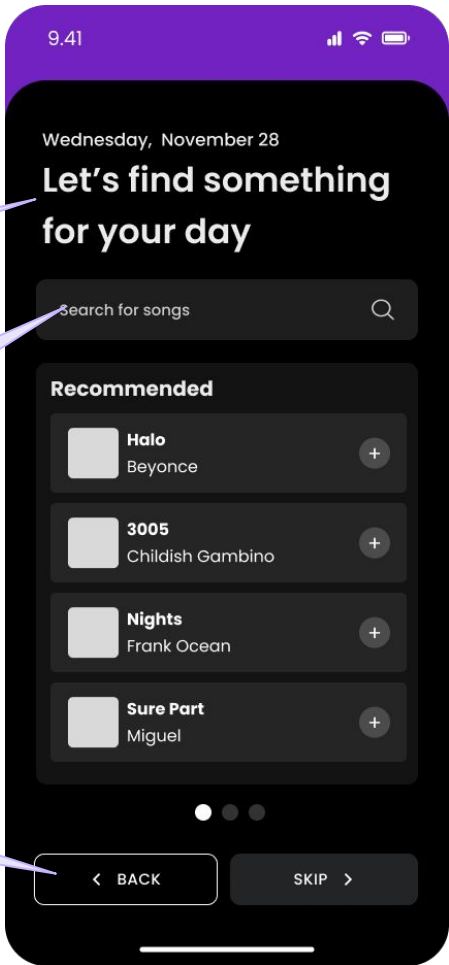
Fullscreen layout



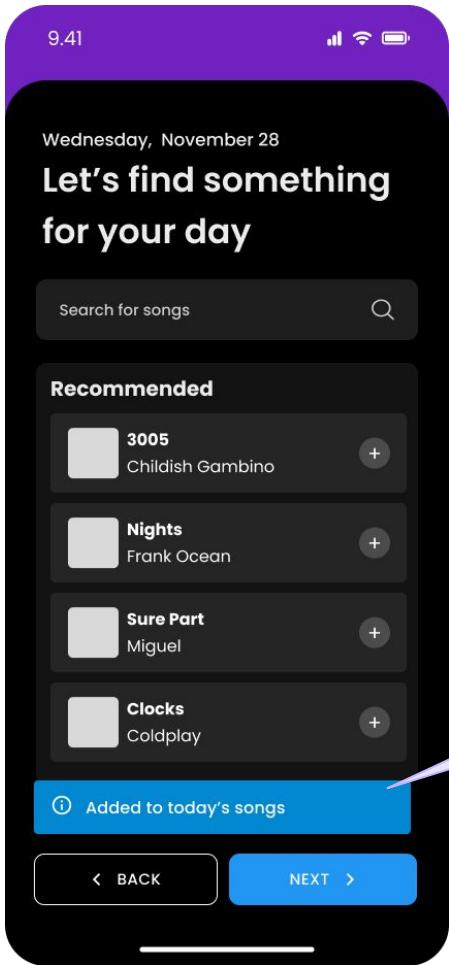
Larger text on light background

Choose music

BEFORE: Choose

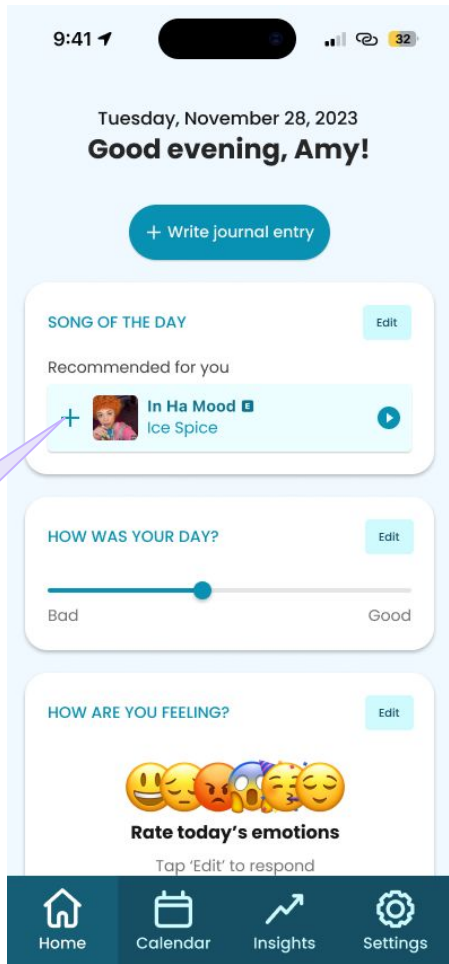


Quick add recommended song



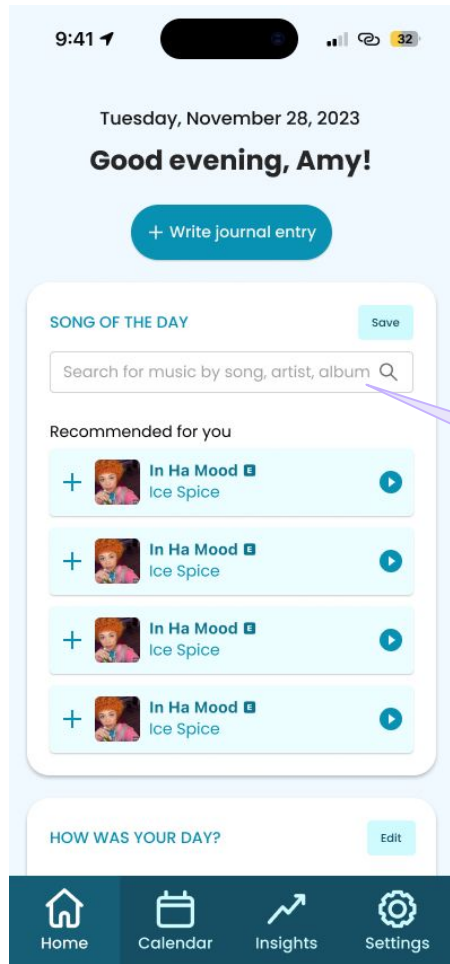
Add song

AFTER: Choose music



Recommendation
(if user hasn't
picked a song yet)

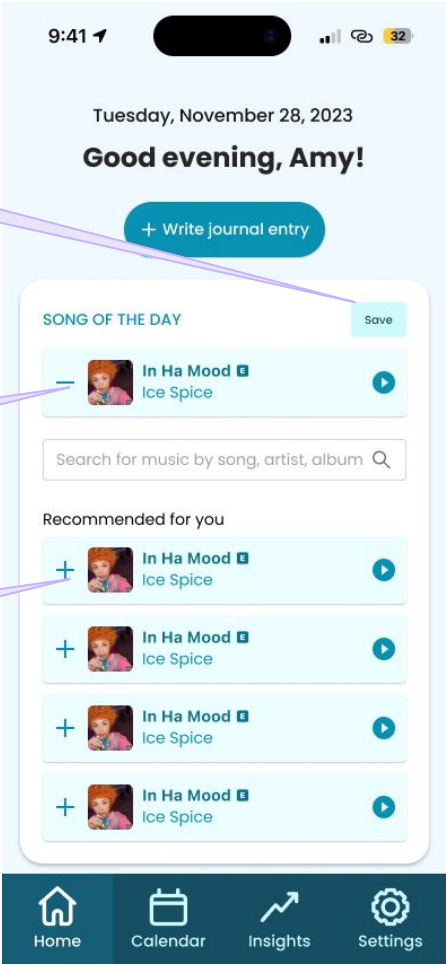
Quick add recommended song



Descriptive
metatext (search for
music by song,
artist, album)

Add song

AFTER: Choose music

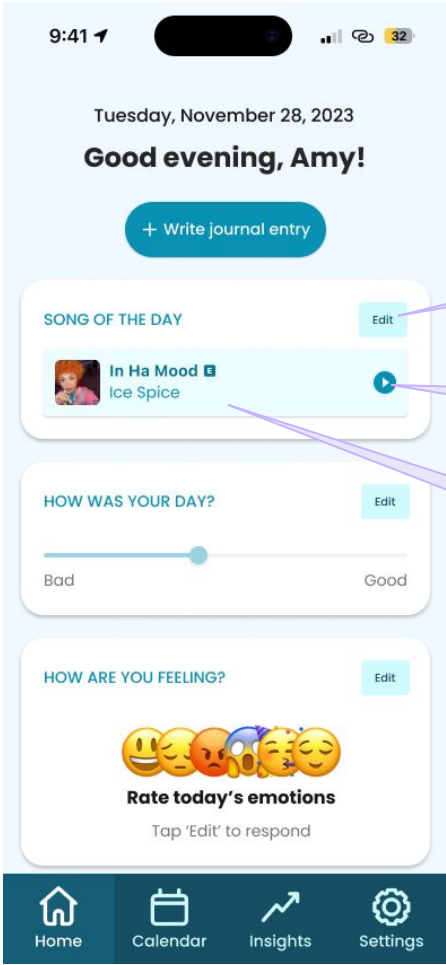


Save button

Remove song

Replace song

Song added



Edit button

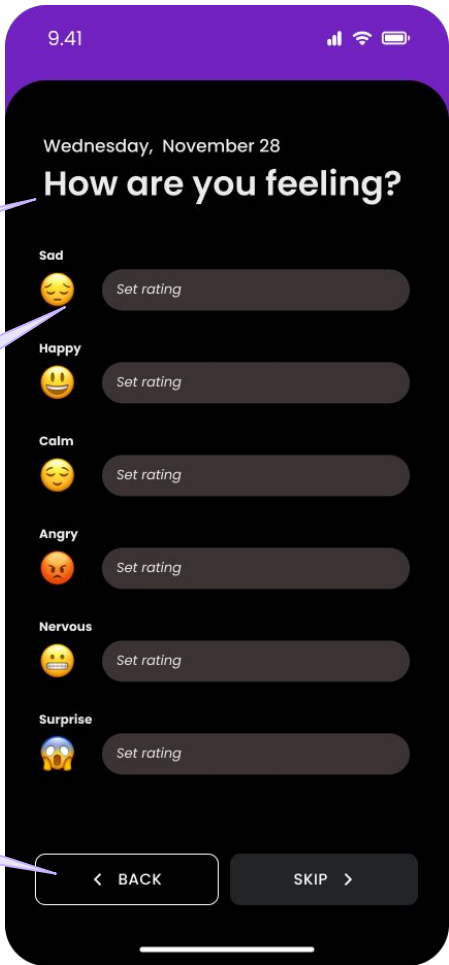
Song preview

UI updates with new song

Saved song of the day

Rate emotions

AFTER: Rate emotions

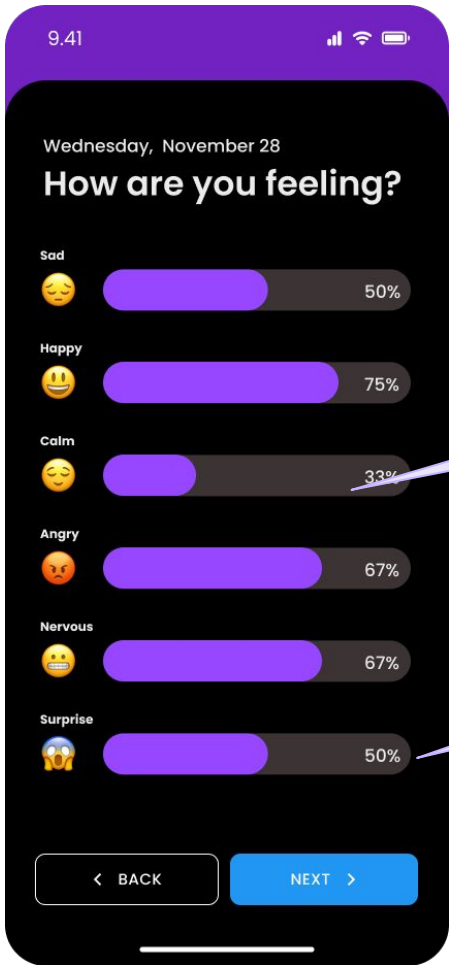


Unclear header

Unclear how to set rating

Step by step flow

Rate all emotions

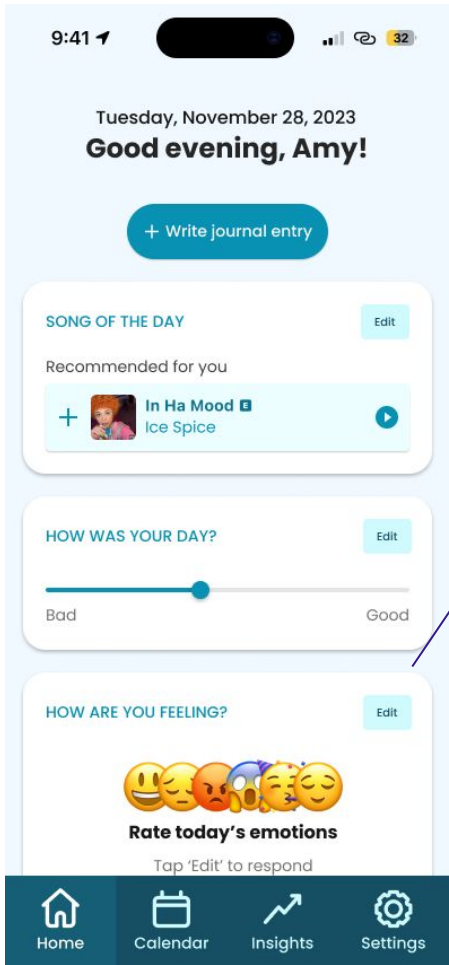


No user feedback for the slider

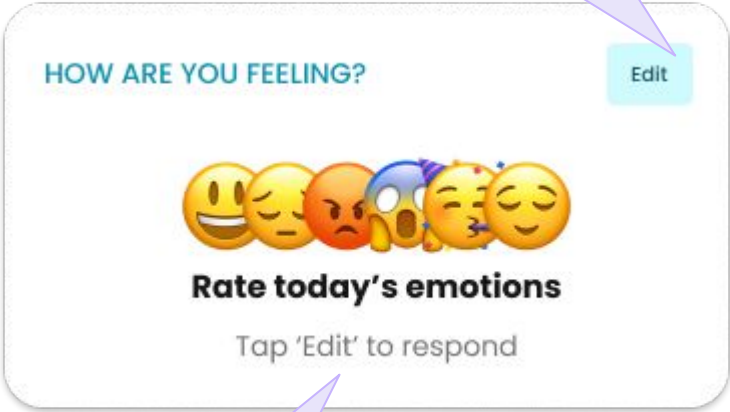
Percentages don't map to real world meaning

Emotions rated

AFTER: Rate emotions



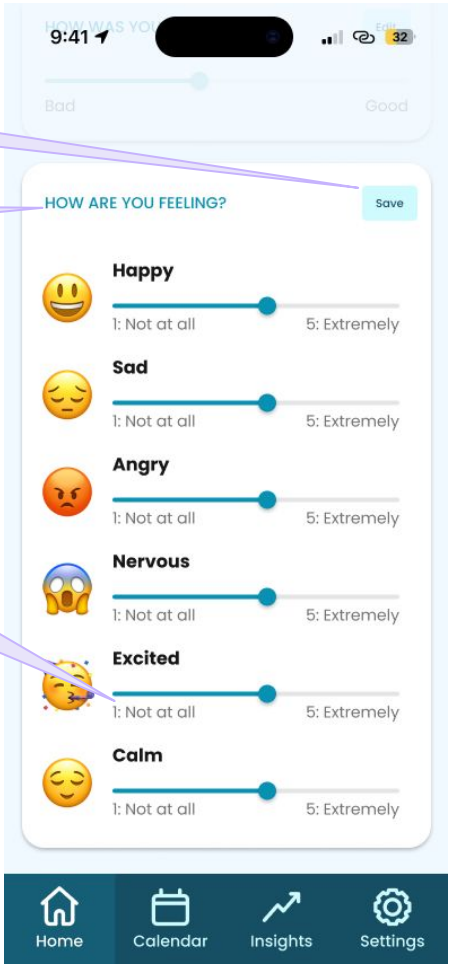
Consistent edit button



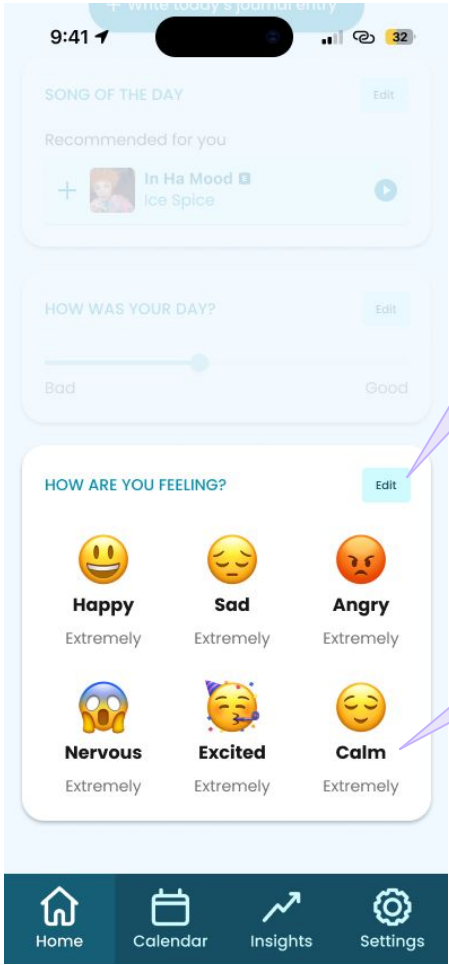
Clear instructions

Rate emotions card from home screen

AFTER: Rate emotions



Rate all emotions (1-5)



Saved emotion rating on home

Save button

Header

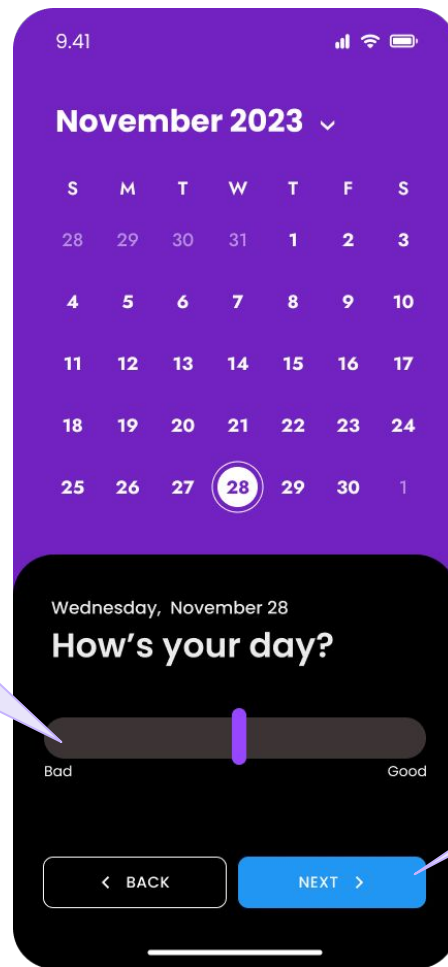
Clear scale (1: Not at all, 5: Extremely)

Edit button

View all emotions & their states

Rate your day

BEFORE: Rate your day

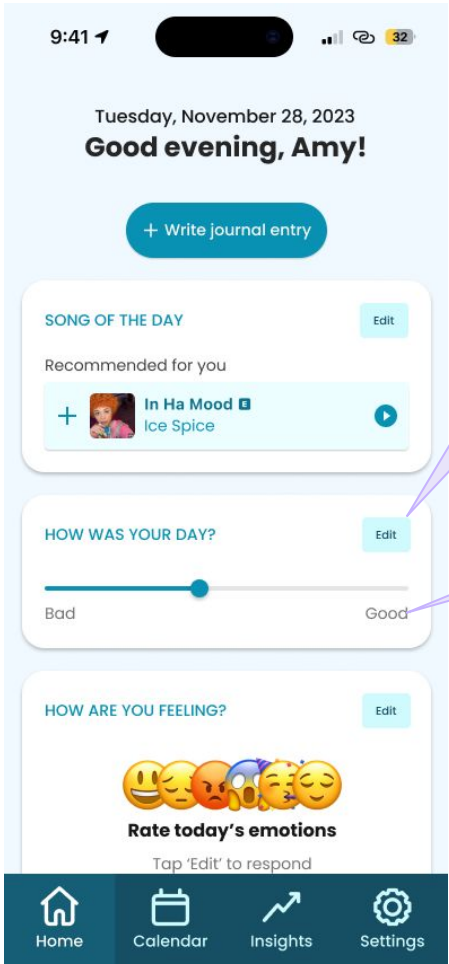
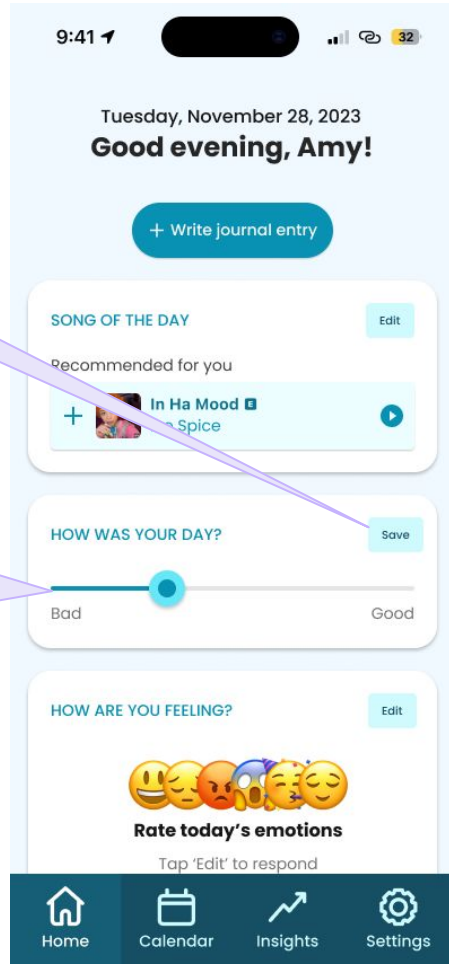


No user feedback when sliding left or right

Step by step: can't easily go back to edit or save

Rate your day (bad - good)

BEFORE: Rate your day



Save button

Active focus mode for slider on edit mode

Edit button

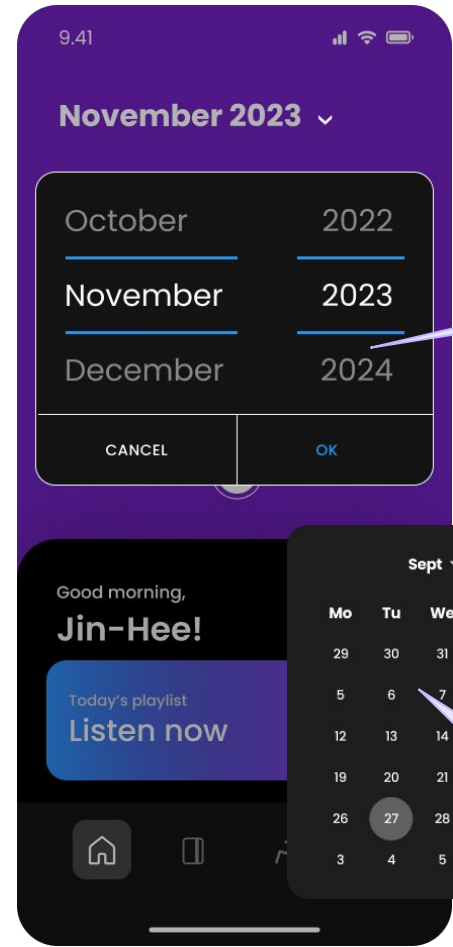
Saved slider rating easily visible

Rate your day (bad - good)

Saved day rating on home

Moderate Task

BEFORE: Moderate

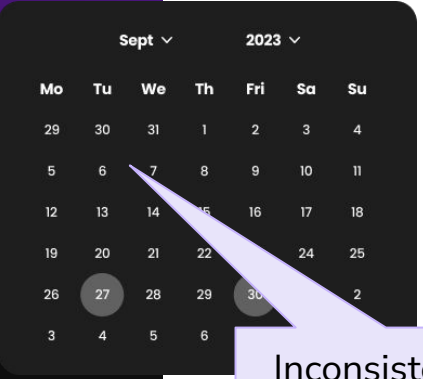


Date picker hard to find

Can't search for a date easily

Unclear when entries were written

Can only view calendar by month



Home screen

Date picker

AFTER: Moderate

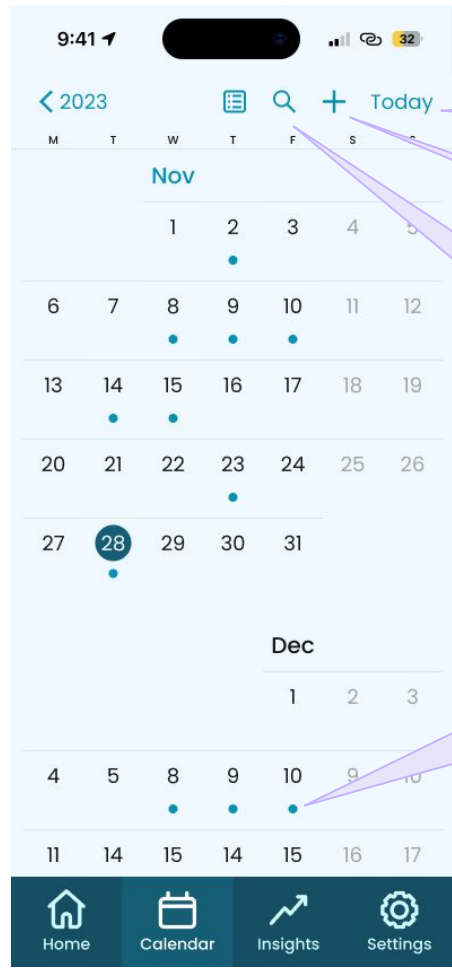
Scrollable calendar by year and month

Zoom in & out to change views of calendar

Separate section



View by year



View by month

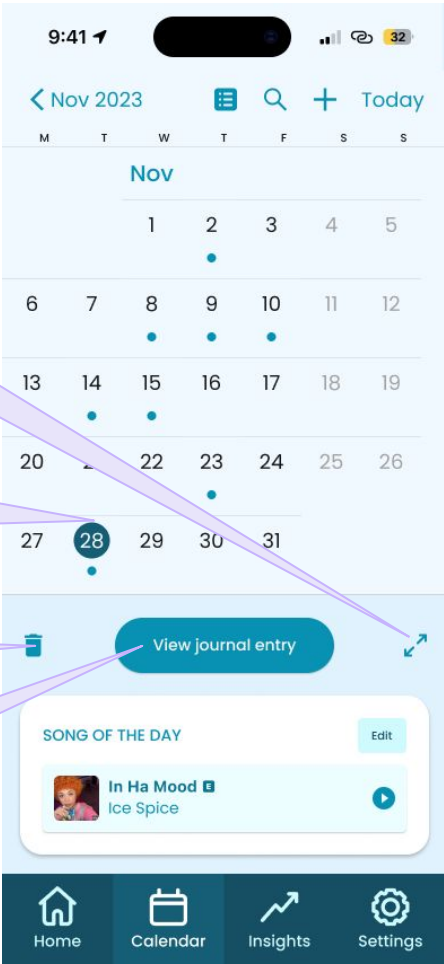
Jump to today

Add entry

Search for entry/date

Know when entries were written

AFTER: Moderate



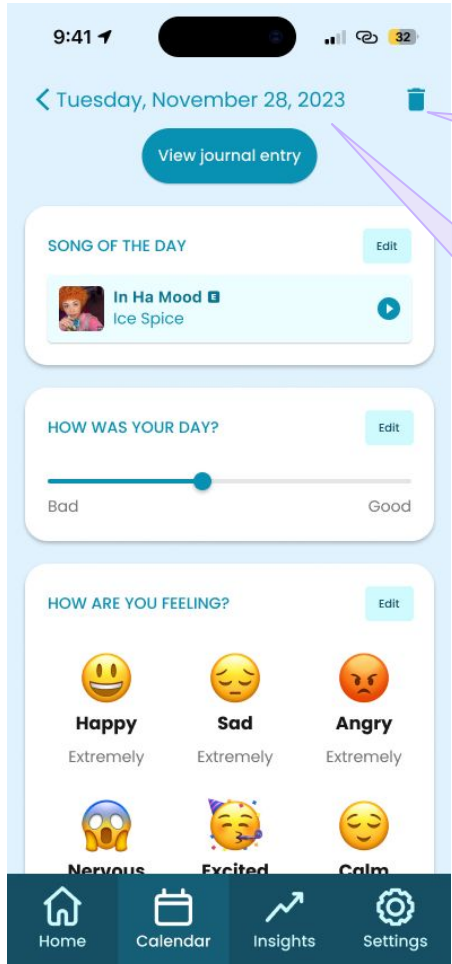
Expands journal entry modules

Tapping on entry opens preview

Delete entry

Jumps to written entry

Select entry



Delete entry with popup to confirm deletion

Consistent back button & date placement

View entry

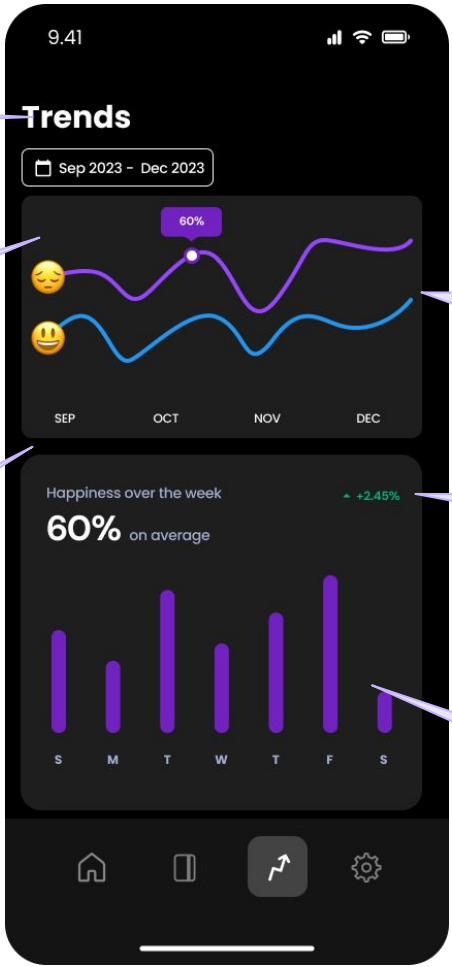
Complex Task

BEFORE: Complex

Date picker small and difficult to use

No labels or helper text

Headers only for certain charts



Hard to visually compare where each point is using lines

Text difficult to read on dark background

No Y axis to help interpret graph

Insights

AFTER: Complex



Swipe L/R or press arrows for date change

Toggle between week, month, and year

Labels for each graph

Learn more for data transparency

Headers for each chart

Settings for additional user control

Additional help text as needed

AFTER: Complex

Guidelines for graph



Clearly labelled graphs

Top Songs this Week

- In Ha Mood [E] Ice Spice
- In Ha Mood [E] Ice Spice
- In Ha Mood [E] Ice Spice
- In Ha Mood [E] Ice Spice

Consistency across designs

Emotions this week

Select emotion

☹️ Sad

Scale: 1 = Not at all; 5 = Extremely

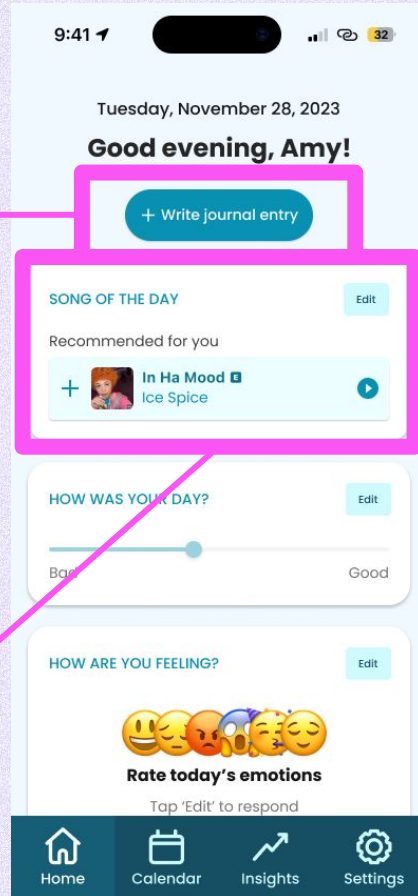
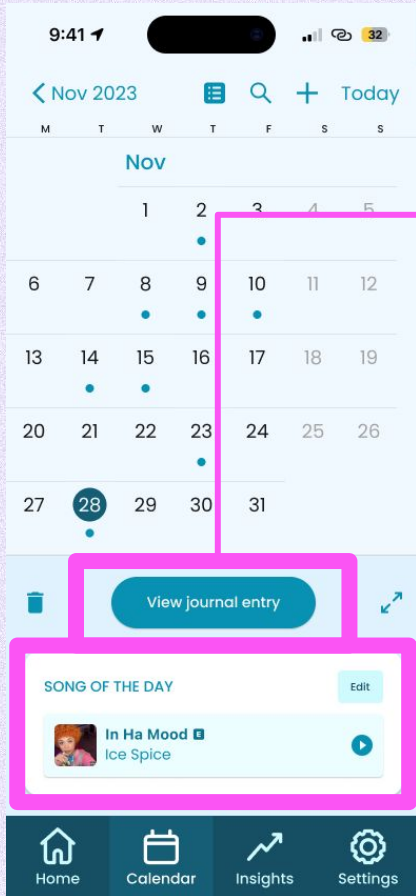
M T W T F S S

Day	M	T	W	T	F	S	S
Emotion Score	1	2	3	3	4	3	3

Select specific emotions

+ more insights coming soon!

Usability goals



#1 Efficiency

Consistent placement and colors for key actions to take

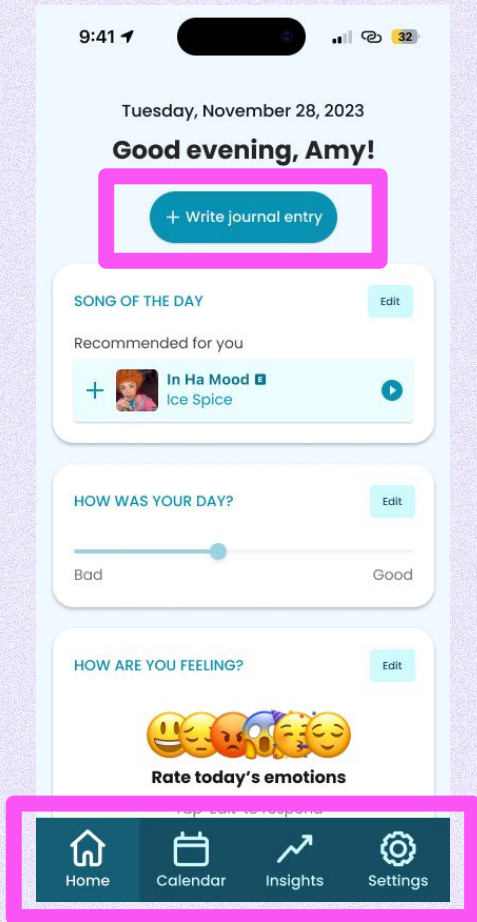
#2 Usability

Takes less steps to start a task using updated navigation & buttons for each

#3 Enjoyment

Step by step replaced with modular card-based design to give user more control of app features

Usability goals



#1 Efficiency

Consistent placement and colors for key actions to take

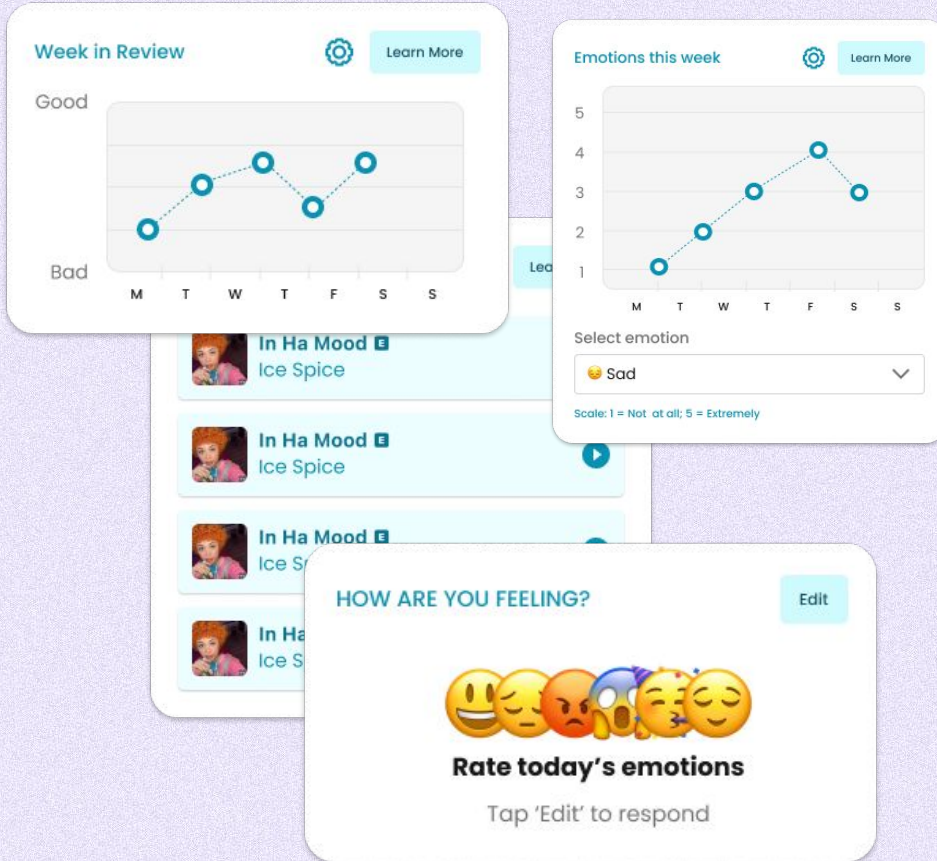
#2 Usability

Takes fewer steps to start a task using updated navigation & buttons for each

#3 Enjoyment

Step by step replaced with modular card-based design to give user more control of app features

Usability goals



#1 Efficiency

Consistent placement and colors for key actions to take

#2 Usability

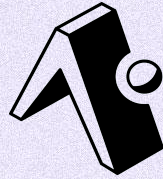
Takes less steps to start a task using updated navigation & buttons for each

#3 Enjoyment

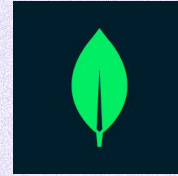
Step by step replaced with modular card-based design to give user more control of app features

Prototype

Frameworks & Tools



Expo & Expo Router



MongoDB



Spotify API



NativeBase

Prototype Status

Implemented:

- Write entry
- Song of the Day
- Navigation
- Rate emotions
- Spotify API
- Login authentication

Simple Task

Quickly log data from Home screen

Hard-Coded Aspects

- Date
- Profile
- Song Recs

TODO

- Stylesheet customization
- Persistent storage
- Select date
- Insights
- Sign up/Login/Profile

Prototype Status

Implemented:

- Write entry
- Song of the Day
- Navigation
- Rate emotions
- Spotify API
- Login authentication

Wizard of Oz ✨

Song recommendations are just fetching pop songs

- need to personalize recs further

Issues 🐞

- Proper Scroll Behavior
- Color scheme (still workshopping)
- Layout issues for UI

Thank you!

Now it's time for the live demo 🎉

Appendix

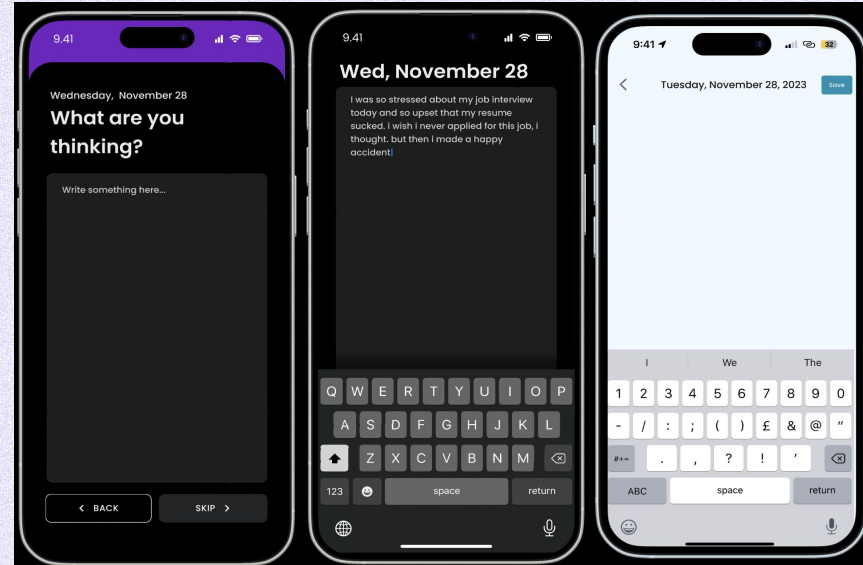
Remainder of Severity 3 + 4 Violations: Simple Task

Severity 4:

- If users tap second to left icon on bottom bar, then go back to home page, data input from previous check in is not saved
 - Figma issue: No need to address in our designs

Severity 3:

- After clicking into the text box in “What are you thinking?” page, the question disappears and is replaced by the date.
 - Solution: Have the date there all the time
- There is no indication of the recent song selected on the journal text page
 - Ignore: Our prototypes showed that users want a blank screen to journal, and they can easily go back if they need

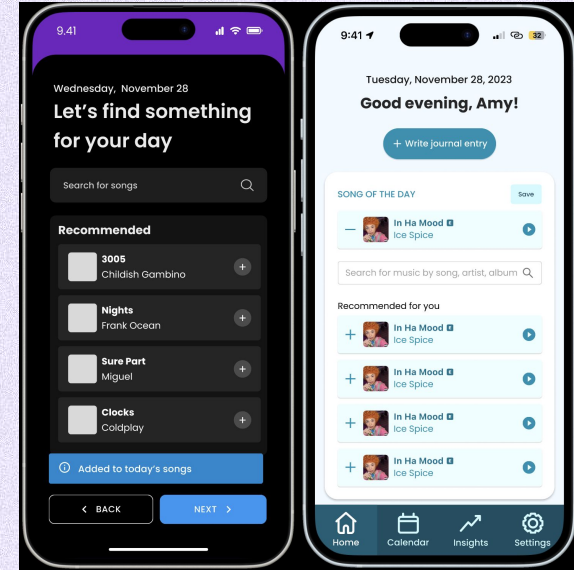


To see how we addressed revisions of all heuristics, refer to our spreadsheet

Remainder of Severity 3 + 4 Violations: Simple Task

Severity 3:

- On the “Let’s find something for your day” page, there is no way to undo the action of adding a song to today’s songs
 - Solution: Have the ability to remove songs
- There is no way to see what songs already added in playlist after adding
 - Solution: Show all of the songs at a given time

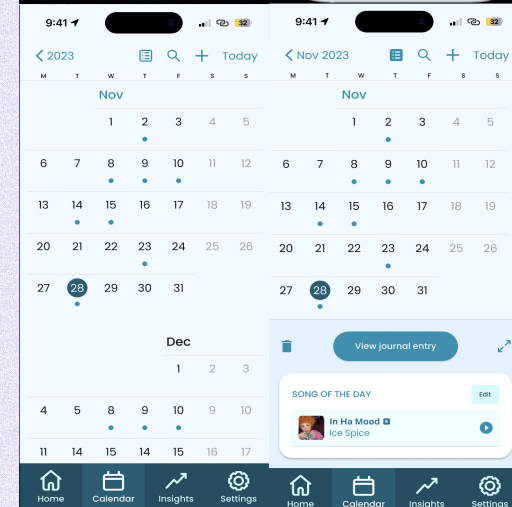
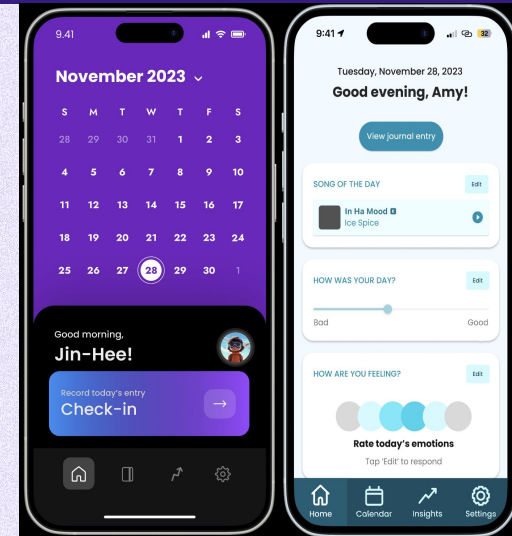


To see how we addressed revisions of all heuristics, refer to our spreadsheet

Remainder of Severity 3 + 4 Violations: Simple & Moderate Tasks

Severity 3:

- The journal entry portion featured on the day overview on the home page does not have a header
 - Solution: Changed formatting
- When clicking and dragging the journal details for the date chosen, there is no ability to drag back down to choose a different date.
 - Figma issue: No need to address in our designs

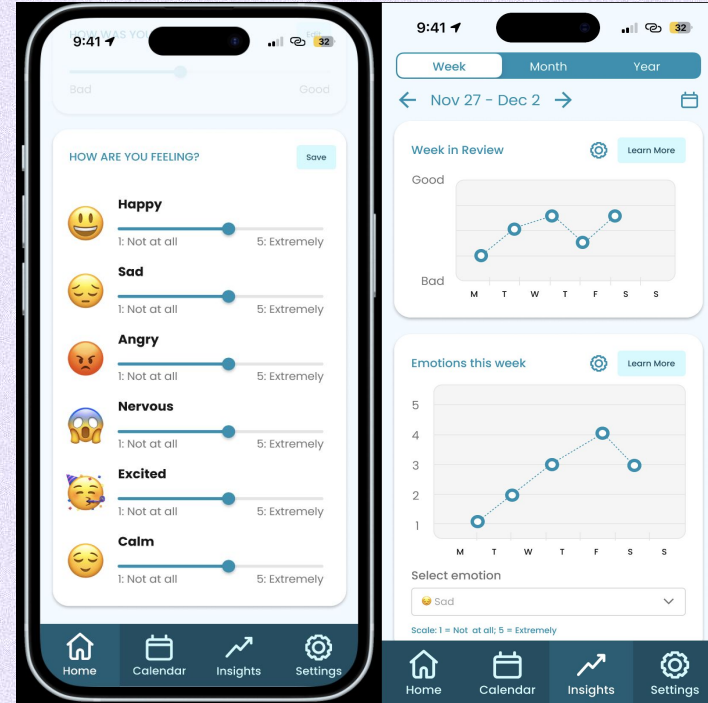


To see how we addressed revisions of all heuristics, refer to our spreadsheet

Remainder of Severity 3 + 4 Violations: Complex Task & General

Severity 3:

- Date picker at top of screen corresponds to the dates for line graph directly below, but the bottom box addresses “Happiness over the week.”
 - Solution: Have all of the data use the same date range
- The date picker on the trends screen doesn’t vary in color, which makes it difficult to distinguish between different dates
 - Solution: Have start/end dates clearly indicated in the date picker
- It is unclear what the second icon from the left in the bottom navigation bar represents.
 - Solution: Add clearer icons and text



To see how we addressed revisions of all heuristics, refer to our spreadsheet