Spotter

Midway Milestone

Meet the Team

Jenn Hu
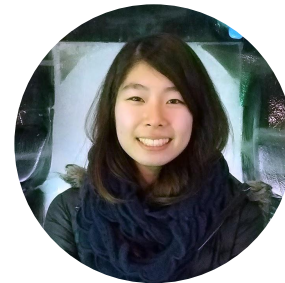
—

Senior
IR Undergrad

Angel Pan

—

Senior
CS Undergrad

AJ Rossman

—

Junior
CS Undergrad

Emily Yang

—

First-year
MSCS

Value Proposition

The weight off your shoulders

The Problem

Beginners are often too intimidated to ask for help at the gym out of fear and guilt of wasting an experienced gym-goer's time

The Solution

We aim to empower beginners to seek help at the gym by highlighting experienced gym-goers ("Spotters") who are voluntarily willing to help

Overview

- Heuristic evaluation

  - Results & revised designs

- Prototype implementation status

- Demo

- Summary

Heuristic Evaluation

Results & Revised Designs
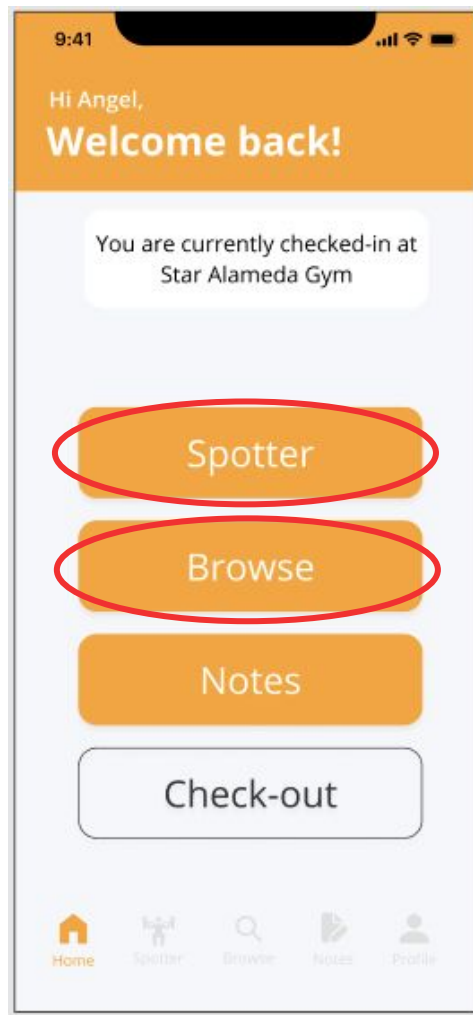
Results Overview

- Severity 3-4

  → **18 violations**

- Severity 0-2

  → **14 violations**

Most violated heuristics:

- **H8:** Minimalist Design (8)

- **H4:** Consistency (6)

- **H2:** Match Sys & World (5),
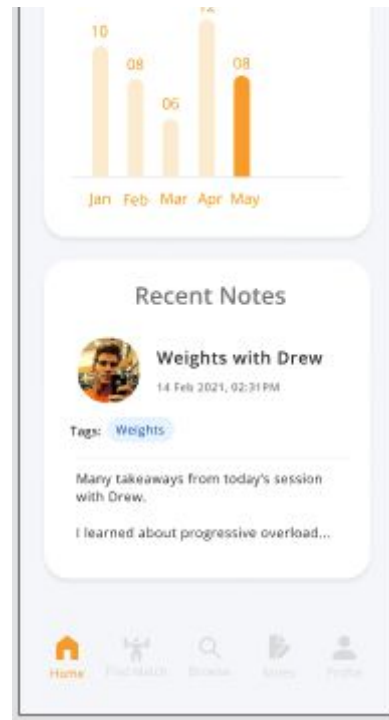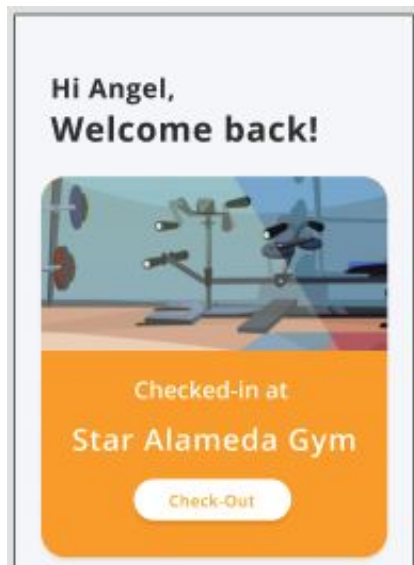 **H3:** User Control (5)

Design Revisions

- **Severity:** 3
- **Type:** H1 (Visibility of Status), H2 (Match Sys & World)

- **Problem:** "Spotter" and "Browse" buttons unclear (functionality & wording)
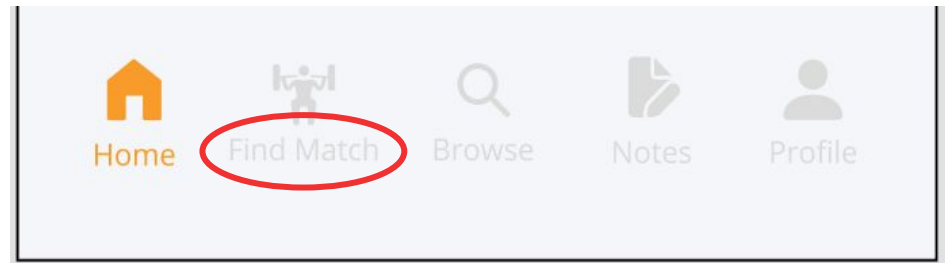
Design Revisions

Fix: ✅

- New home screen

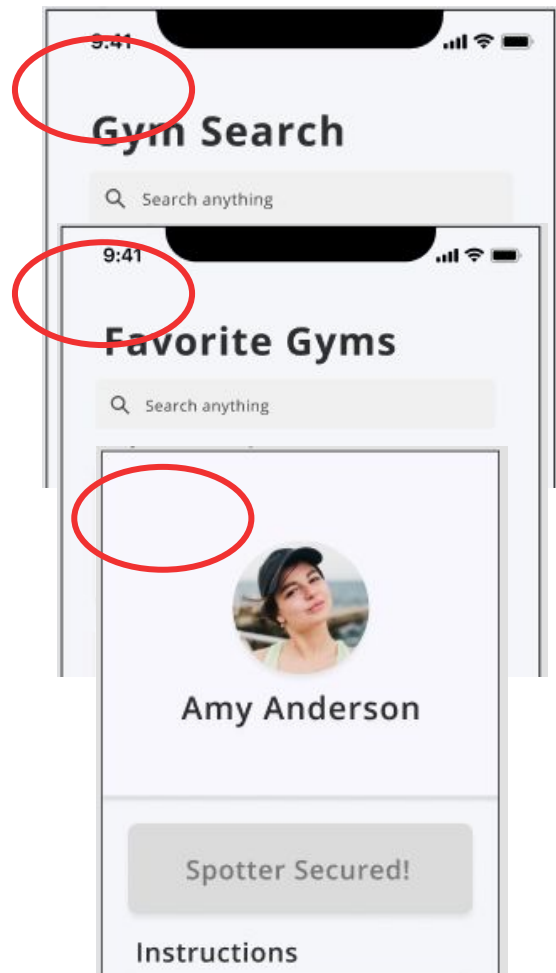- Bottom navigation bar wording

Design Revisions

Fix: ✔️

- New home screen

- Bottom navigation bar wording

Design Revisions

- **Severity:** 3
- **Type:** H3 (User Control)

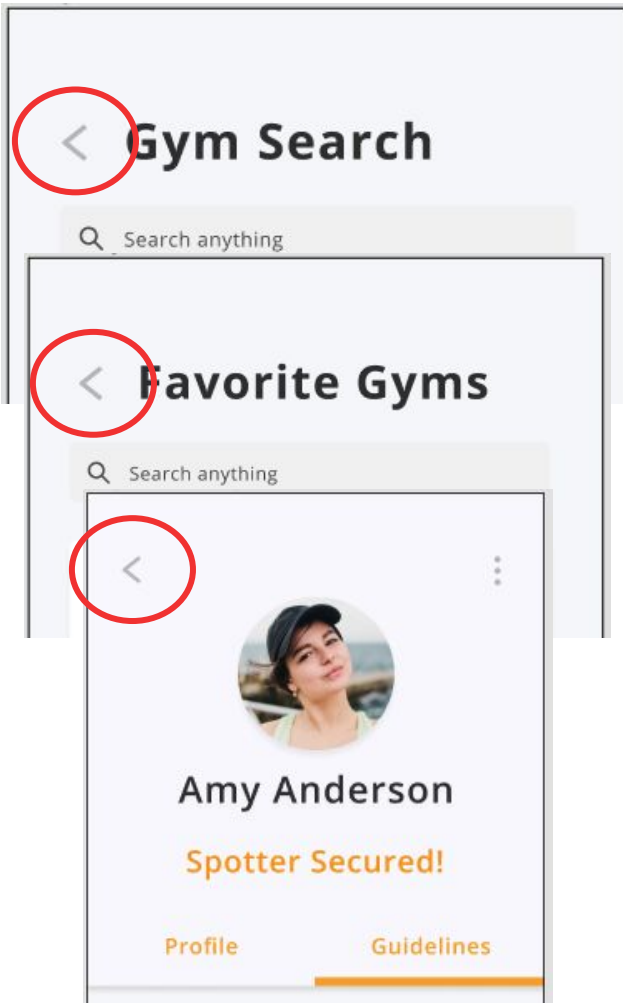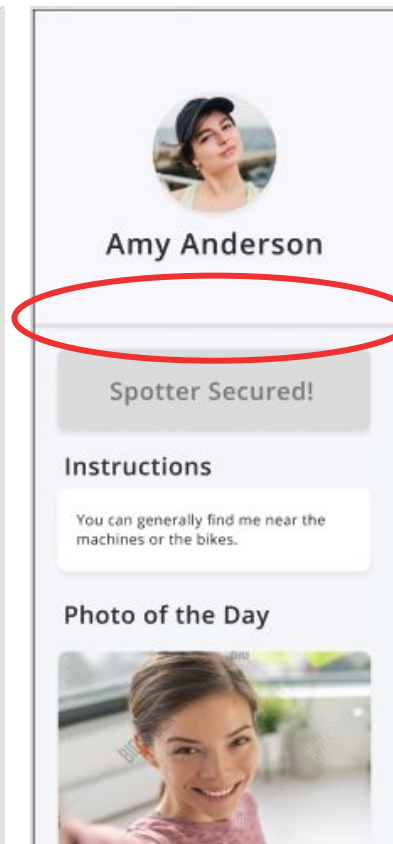- **Problem:** No back button on multiple screens
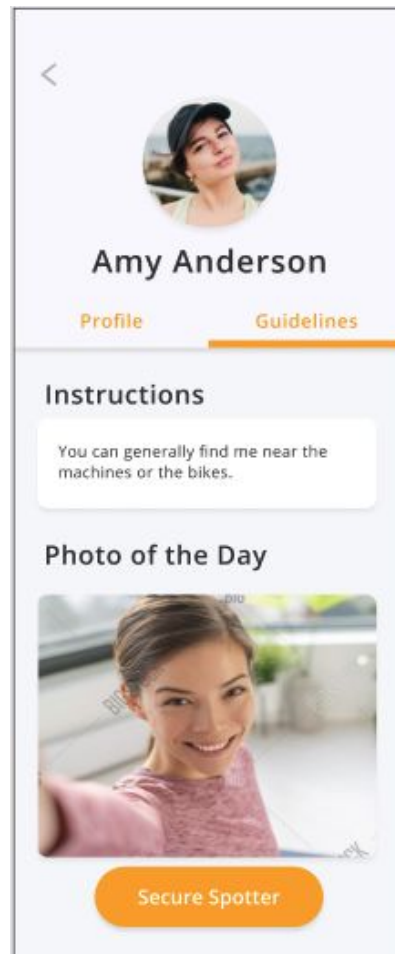
Design Revisions

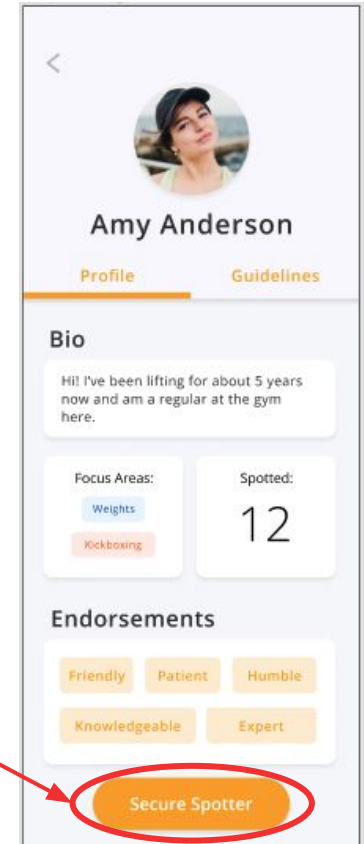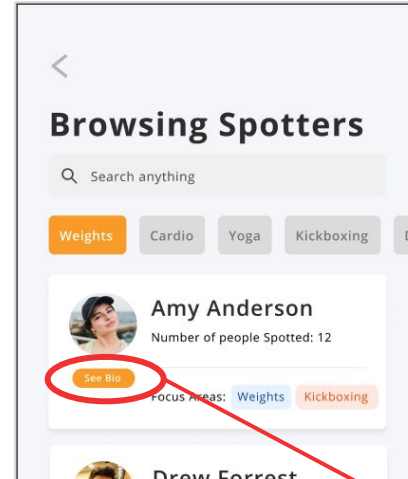**Fix:** ✔

- Added back buttons

Design Revisions

- **Severity:** 3
- **Type:** H4 (Consistency)

- **Problems:**
  - Cannot see "Profile" of Spotter bio after securing
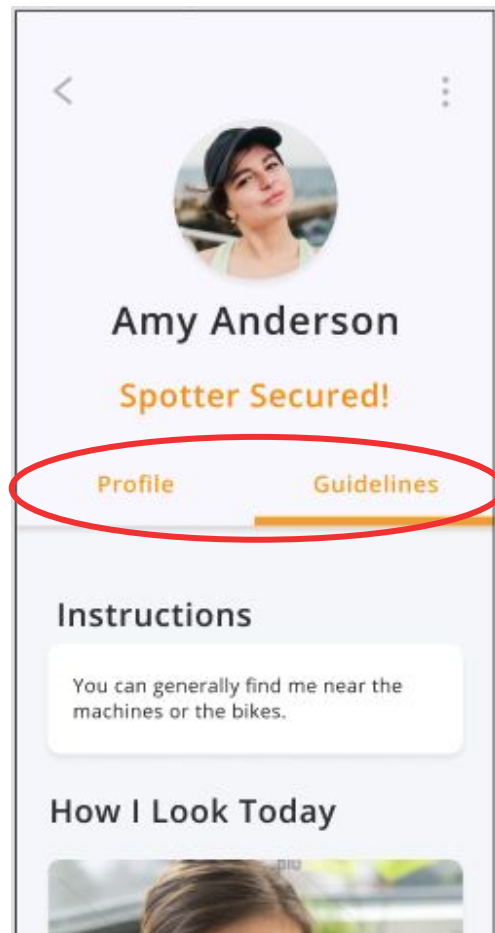 - In "Browse", forced to view bio before "Secure Spotter"

Design Revisions

- **Severity:** 3
- **Type:** H4 (Consistency)

- **Problems:**
  - Cannot see "Profile" of Spotter bio after securing
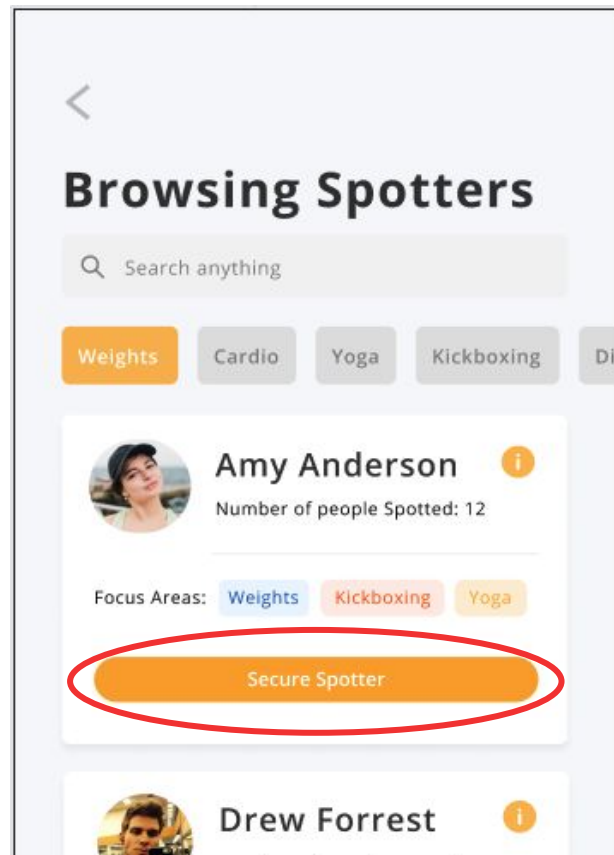 - In "Browse", forced to view bio before "Secure Spotter"

Design Revisions

Fix: ✔

- Added tabs to the "Spotter Secured" screen

- Added "Secure Spotter" button to each Spotter card in "Browse" screen
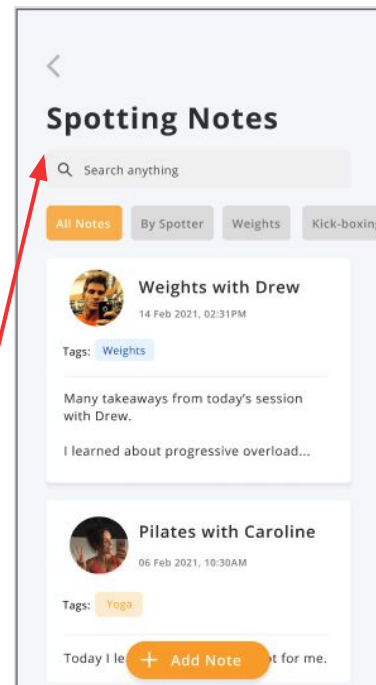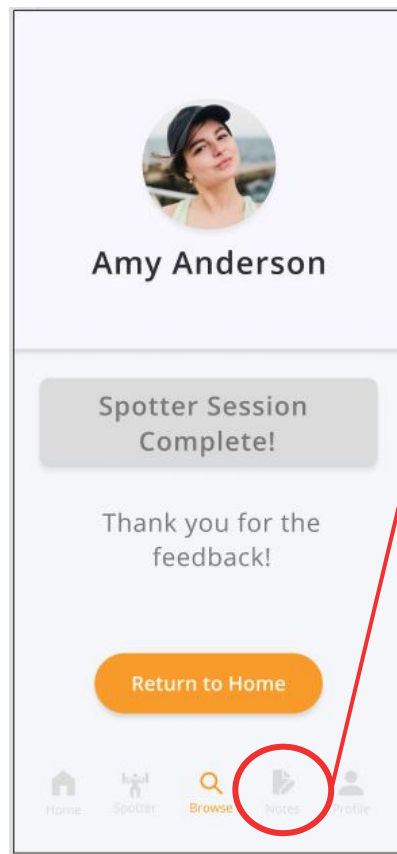
Design Revisions

Fix: ✔

- Added tabs to the "Spotter Secured" screen

- Added "Secure Spotter" button to each Spotter card in "Browse" screen
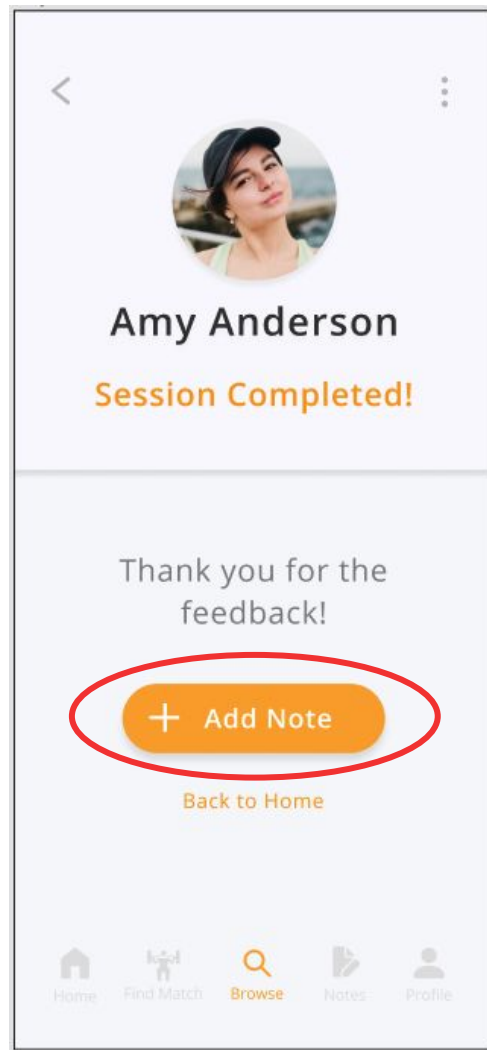
Design Revisions

- **Severity:** 3
- **Type:** H6 (Recognition not Recall)

- **Problem:** Separation between Notes task and Spotter if user adds note
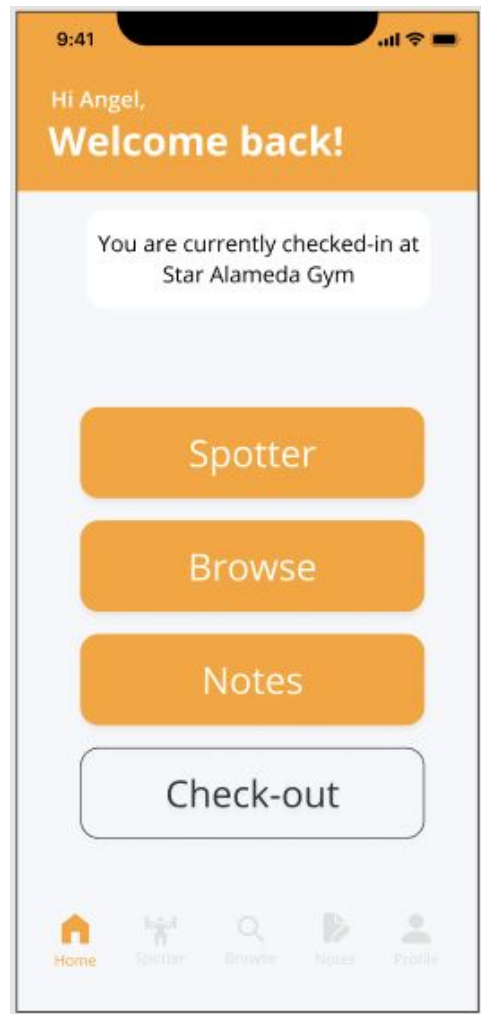
Design Revisions

Fix: ✅

- Added "Add Note" button shortcut

Design Revisions

- **Severity:** 0-2
- **Type:** H8 (Minimalist Design)

- **Problems:**
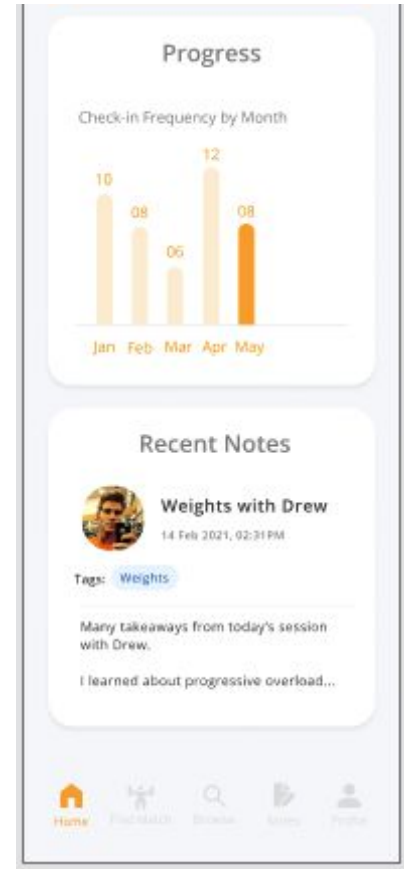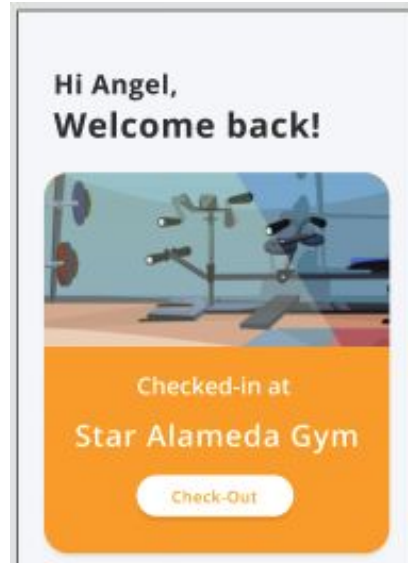 - Buttons in Home Screen redundant
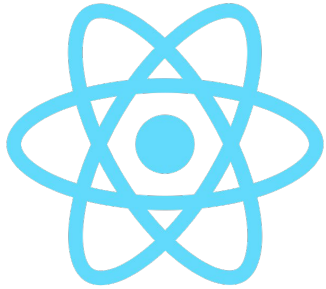 - Home Screen layout boring
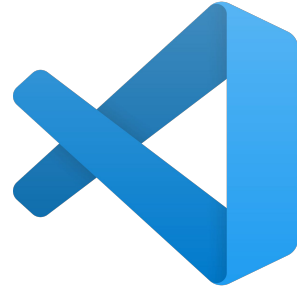
Design Revisions

Fix: ✅

- Updated Home Screen

Hi-Fi Prototype Implementation Status

Tools Used

React Native & Expo

VSCode & Simulator
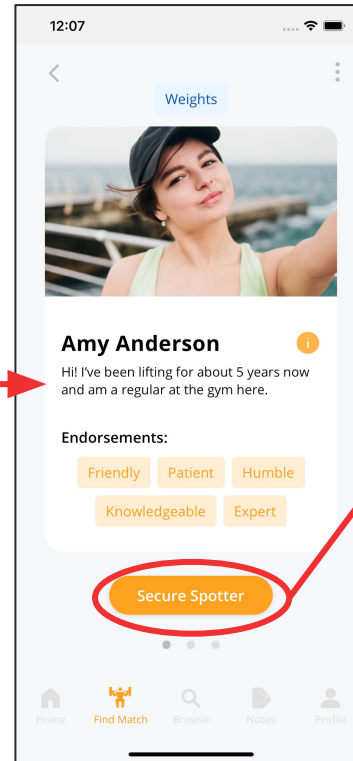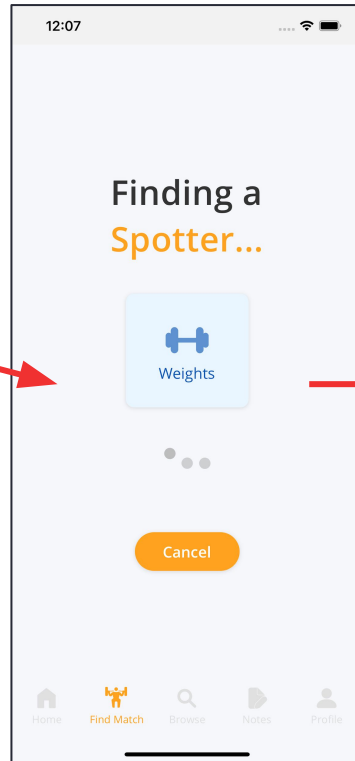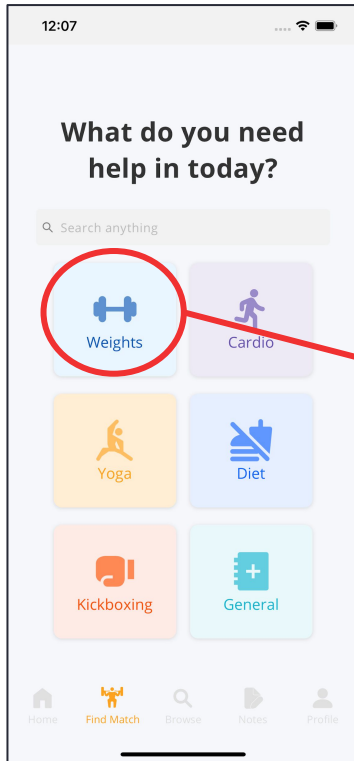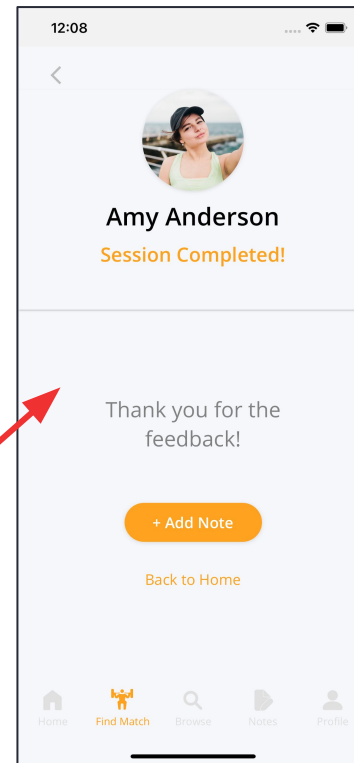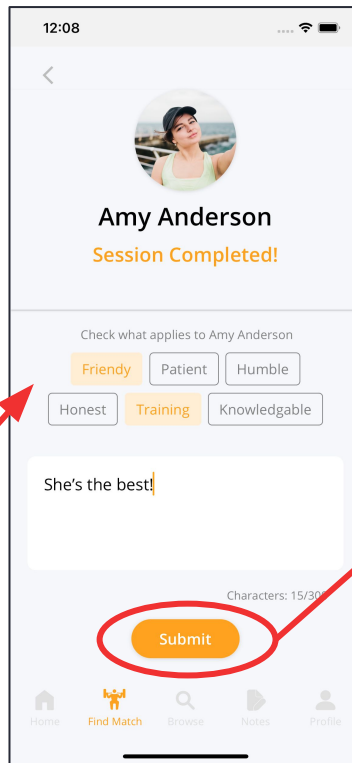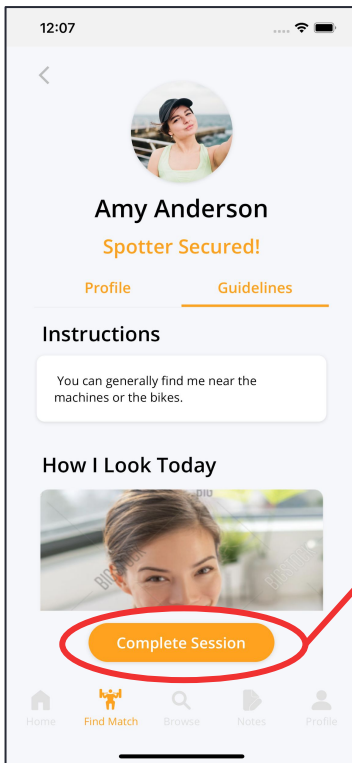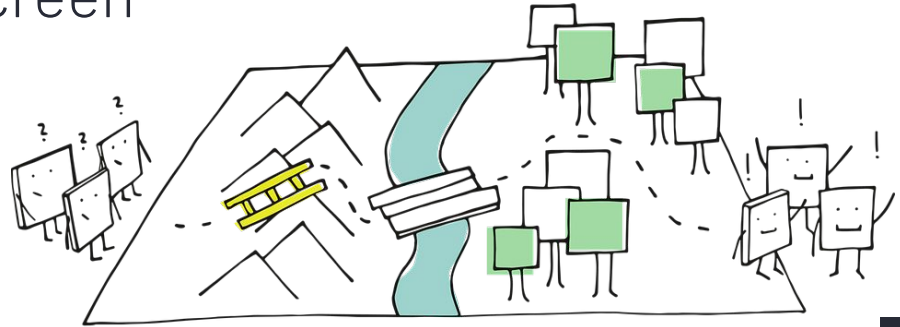
Implemented Features: Simple Task
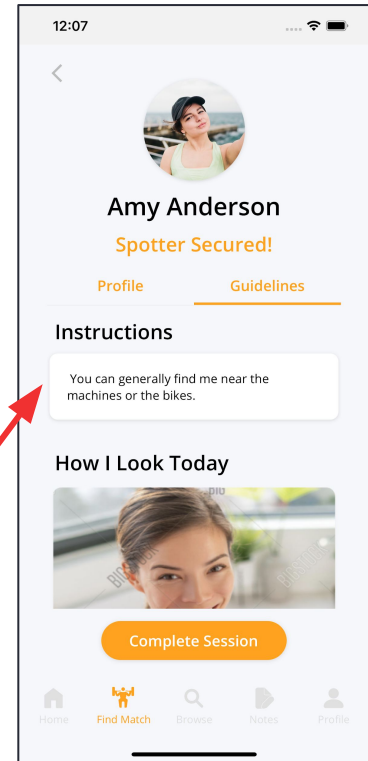
Implemented Features: Simple Task

Unimplemented Features & Plan

1. **Moderate Task:** Browsing Spotters

2. **Complex Task:** Logging Notes

3. Checking in & Home Screen

4. FAQs screen

Wizard of Oz Techniques

- Matching Spotter
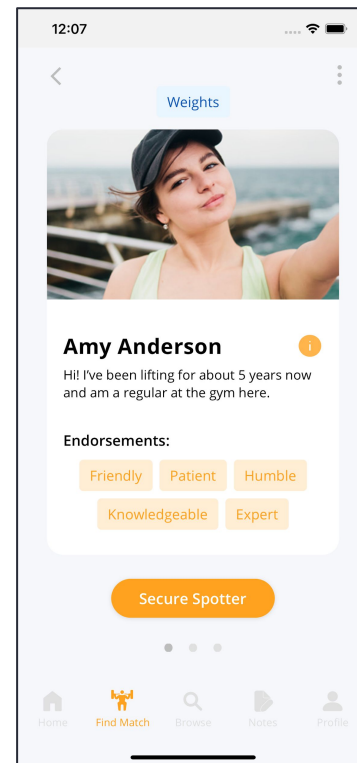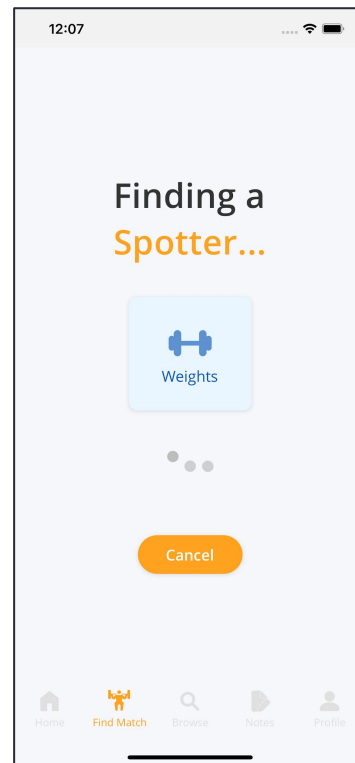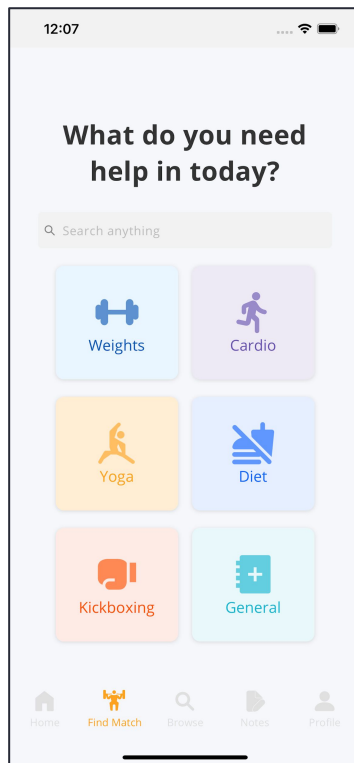
Hard-coded Data

- Spotter information
- Previous notes
- Gym names/locations

Live Demo

Summary

- All severity 3-4 violations **addressed**

- **Progress:** Simple task implemented

- **Next steps:** Moderate & complex tasks

- **On track** to finish by deadline!

28

Questions?

Appendix

Additional Revisions
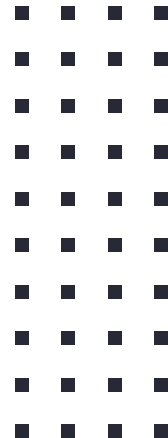
Design Revisions

- **Severity:** 3
- **Type:** H2 (Match Sys & World)

- **Problems:**
  - No emergency button
  - No space to leave negative feedback or report for problems
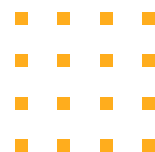
Design Revisions

No Fix: ✗

- Neither are relevant to our main task flows
  - Outside of scope

Design Revisions

- **Severity:** 3
- **Type:** H4 (Consistency)

- **Problems:**
  - "Spotter" button greyed out during check in, not removed
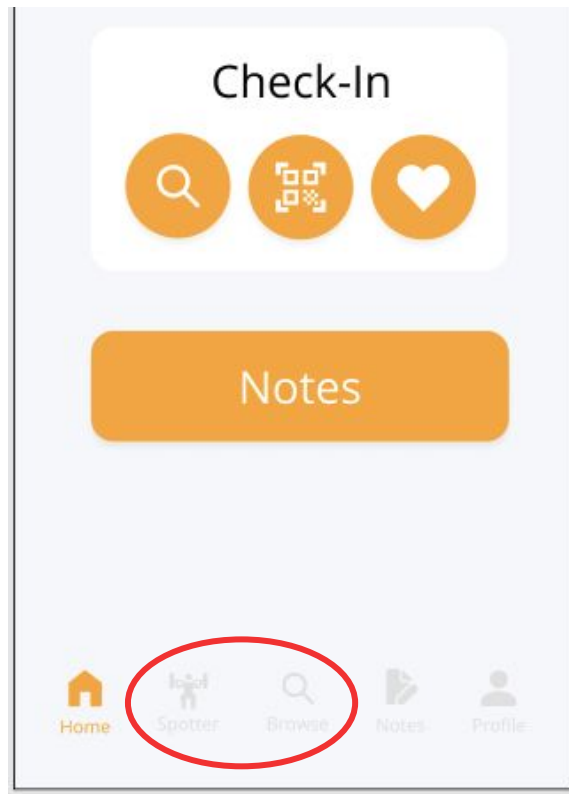 - "i" icon vs "See Bio" button
  - "Create note" screen different background color

Design Revisions

- **Severity:** 3
- **Type:** H4 (Consistency)

- **Problems:**
  - "Spotter" button greyed out during check in, not removed
  - "i" icon vs "See Bio" button
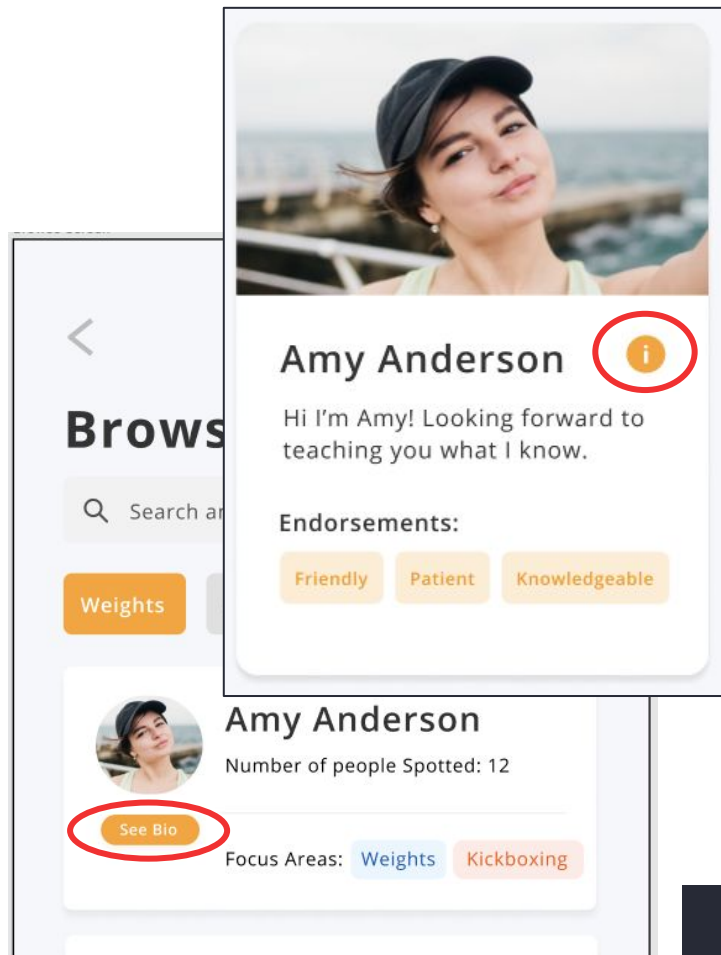 - "Create note" screen different background color
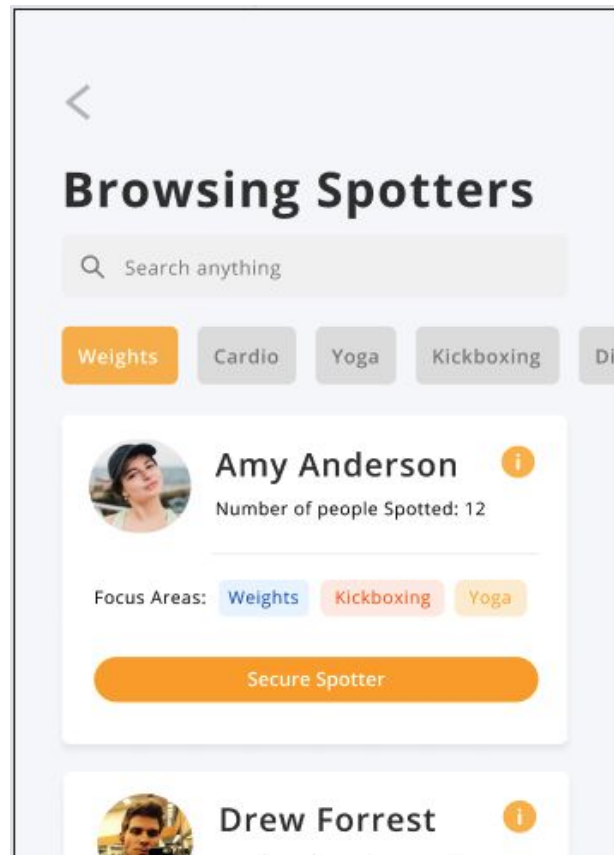
Design Revisions

- **Severity:** 3
- **Type:** H4 (Consistency)

- **Problems:**
  - "Spotter" button greyed out during check in, not removed
  - "i" icon vs "See Bio" button
  - "Create note" screen different background color

Design Revisions

Fix: ✅

- "Spotter" and "Browse" icons will be removed from check-in screen in high-fi prototype
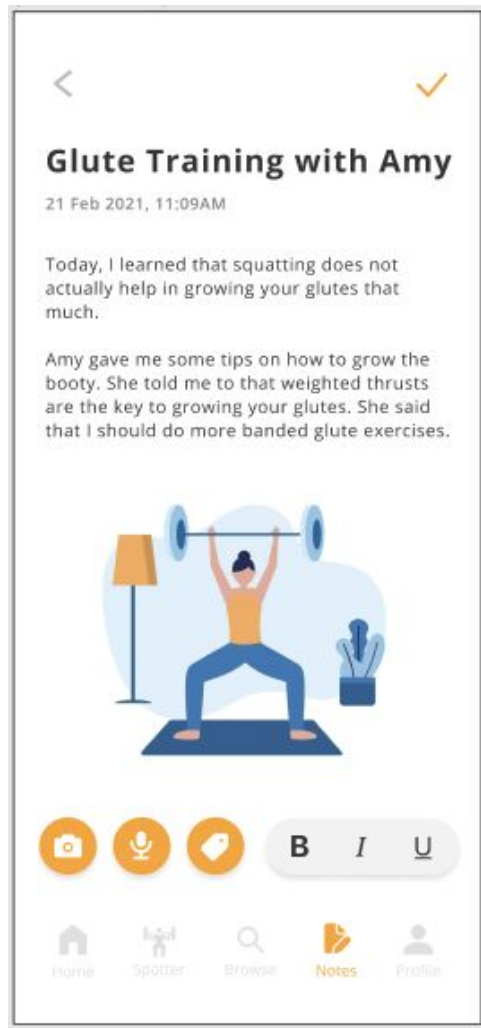
- Made "i" icon consistent

Design Revisions
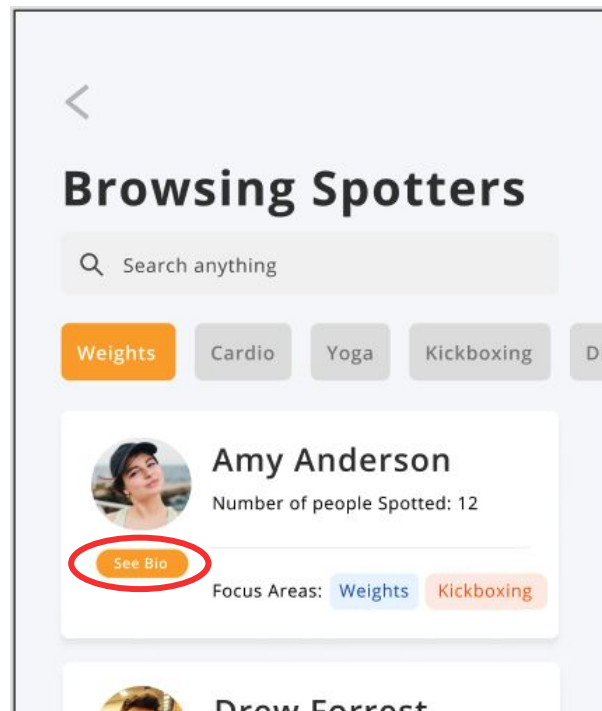
No Fix: ✗

- Intentional – Background for notes entry is consistent with text entry of endorsements screen

    - Signifies text can be entered

Design Revisions

- **Severity:** 3-4
- **Type:** H5 (Error Prevention)

- **Problems:**
  - Small "See Bio" button
  - Small clickable areas (throughout app)

Design Revisions

Fix: ✔

- Related to med-fi limitations – will be resolved in high-fi prototype

Design Revisions

- **Severity:** 3
- **Type:** H10 (Documentation)

- **Problem:** No FAQ page

Fix: ✔

- Adding a FAQ screen in high-fi prototype