

thAO

# A8: Interactive High-Fi Prototype

By: Ananya N, Ayana G, Anthony C, Felix Z

CS 147, FALL 2025 ~ 11.20.25, THURSDAY



# Content *overview*

1. Project title & value proposition →

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2. Team →

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3. Problem/solution overview →

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4. Heuristic evaluation results →

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5. Major UI & product revisions →

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6. Prototype implementation →

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Gentle nudges, real progress.

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# Our team



Ananya N.

DESIGN/DEV



Ayana G.

DESIGN/DEV



Anthony C.

DESIGN/DEV



Felix Z.

DESIGN/DEV

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# Facing the challenges of ADHD learners:

## 01 HYPERFOCUS

Paying too much attention to smaller details, forgetting the bigger picture



## 01 REFLECTION CHECK-INS...

... to help refocus and start fresh

## 02 HYPOFOCUS

Getting easily distracted or sidetracked



## 02 TIMED SESSIONS...

... to keep learners on track and committed

## 03 TACKLING OVERWHELMING GOALS

Managing the feasibility of an assignment or project



## 03 GOAL BREAKDOWN...

... to formulate a work plan that walks the learner through smaller steps

## 04 CREATING PRODUCTIVE WORK ENVIRONMENTS

Working with others, having some form of body-doubling



## 04 A STUDY COMPANION...

... to provide an artificial presence



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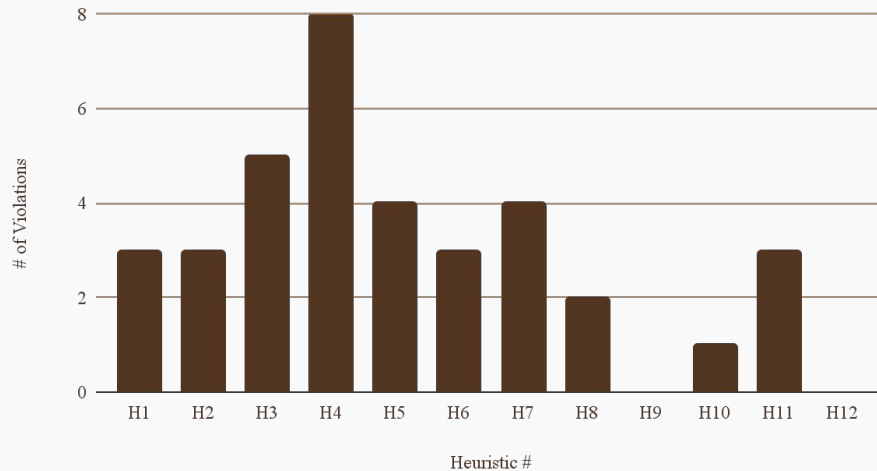
6. Prototype implementation →

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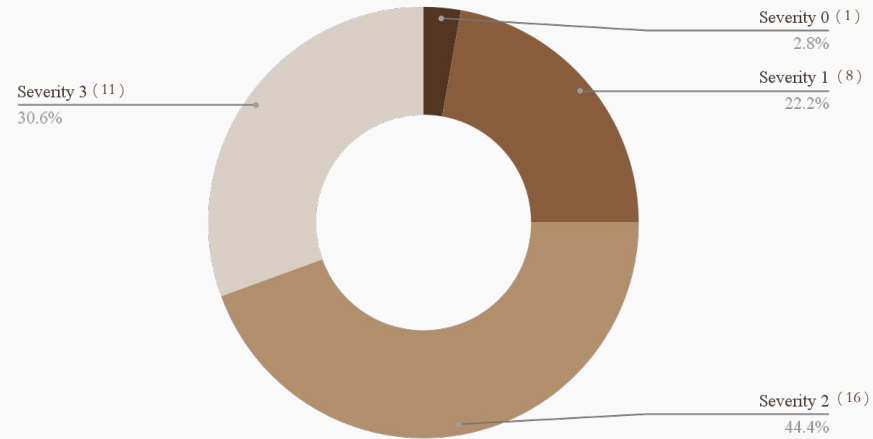
- *total violations:* ... 36
- *severity 3 & 4 violations:* ... 5
- *most common severity:* ... 2
- *most common heuristic:* ... H4  
(Consistency & Standards)

- *severity 0:* ... 1
- *severity 1:* ... 8
- *severity 2:* ... 16
- *severity 3:* ... 11
- *severity 4:* ... 0

Heuristic Distribution



Severity Distribution



# Our values are *accommodation* and *flexibility*.

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## REVISION PLAN (FOCUSING ON SEVERITY 3 VIOLATIONS):

- Pull back from “Nice-To-Have” features for now – collaboration, calendar, friends & groups (*problems 1 & 7*)
  - Set aside Figma-related violations – prototyping errors will be fixed in the full implementation (*problems 6, 13, 18 & 30*)
- 
1. Providing a safety net/confirmation for users wanting to delete all manually-entered/AI-generated tasks for a goal plan before continuing with the action.
  2. Giving the user an option to enter their own tasks *as well as* providing AI-supported offerings. Also offering streamlined method to start a session without having multiple tasks
  3. Offering options to view a countdown timer on the screen during work sessions *as well as* reminders of time remaining at various logical intervals.
  4. Keeping buttons consistent across all task flows and screens

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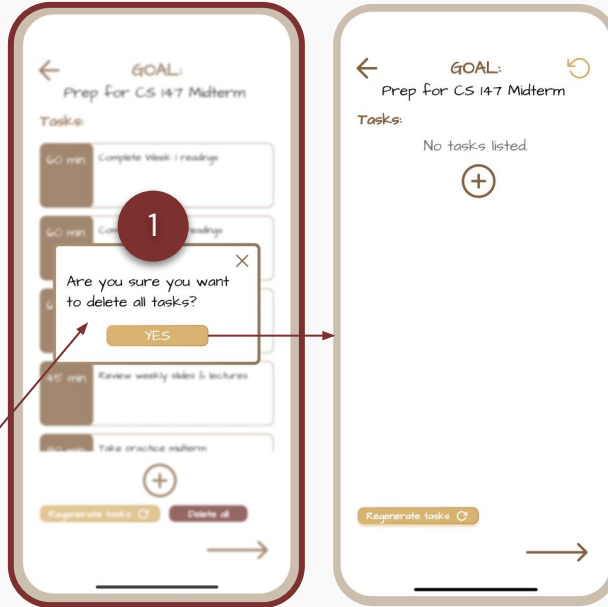
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## UI &amp; PRODUCT REVISIONS

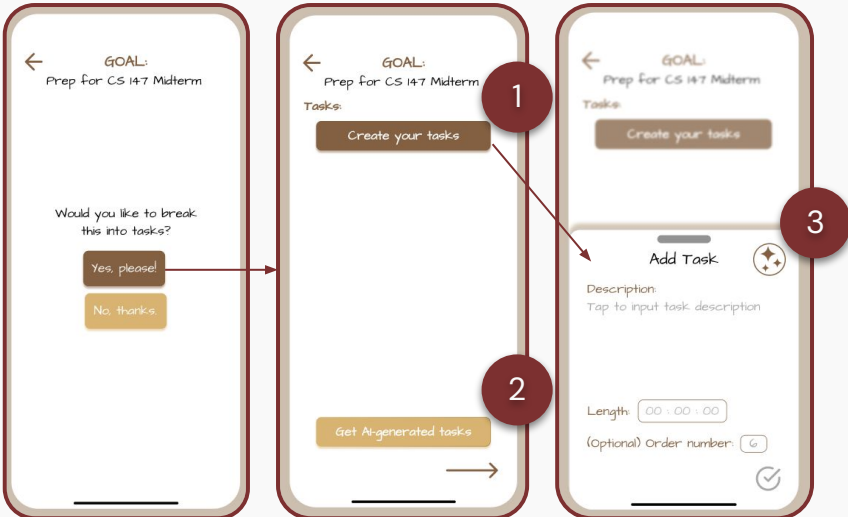
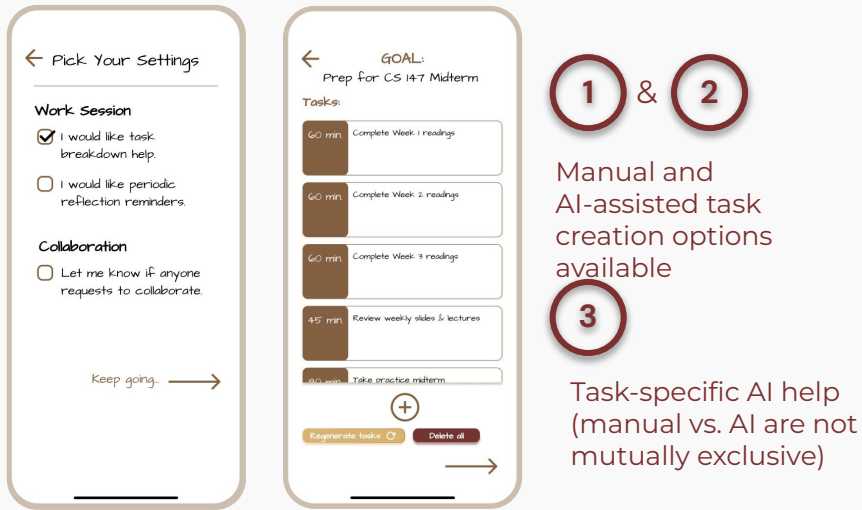
# 1. 'Delete All' confirmation/safety net

- Extra check provides reassurance
- Avoids added step of “undoing” if selected by accident
- Temporarily pauses deletion of all task edits



1 Added confirmation modal

USABILITY GOALS: *ROBUSTNESS, SAFETY*

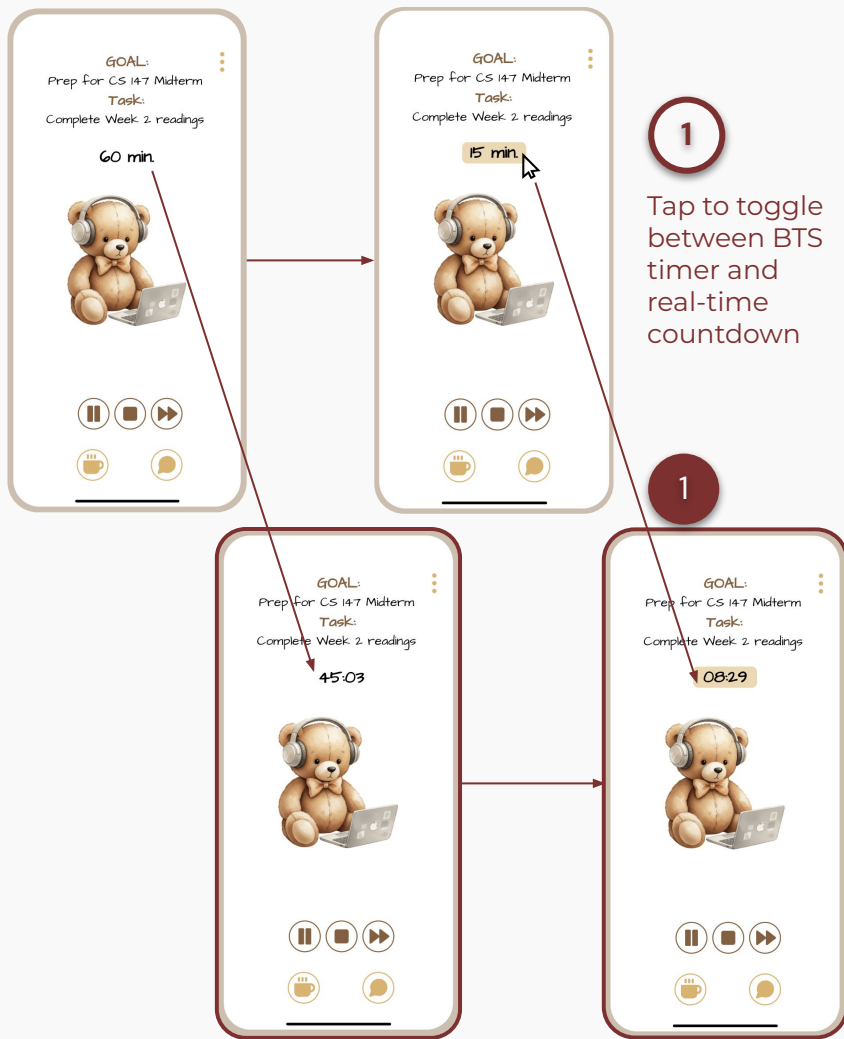


## UI & PRODUCT REVISIONS

# 2. Manually enter tasks

- Users may choose to request AI help in generating tasks or provide their own, from an assignment handout or personal plan
- Refined AI help at all times, but manual control prioritized

USABILITY GOALS: FLEXIBILITY, USER CONTROL & FREEDOM



## UI & PRODUCT REVISIONS

### 3. Visible countdown timer

- Caters to a variety of users: those who would like more constant visual feedback AND those who prefer a background time tracker
- Simplistic, minimal, & logical effort to alter settings

USABILITY GOALS: *UTILITY, FLEXIBILITY*



## UI & PRODUCT REVISIONS

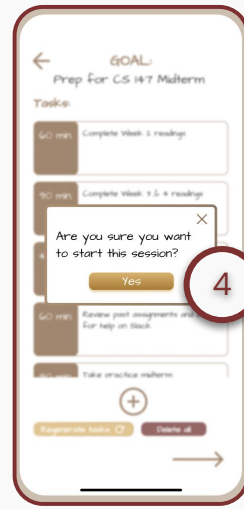
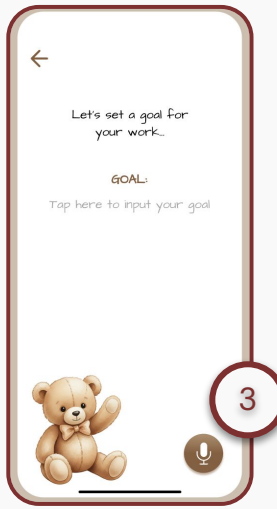
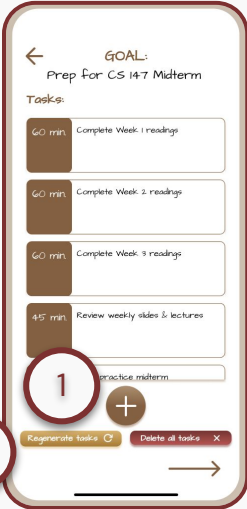
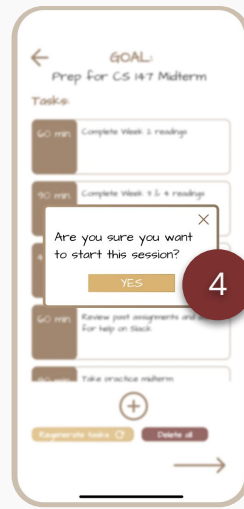
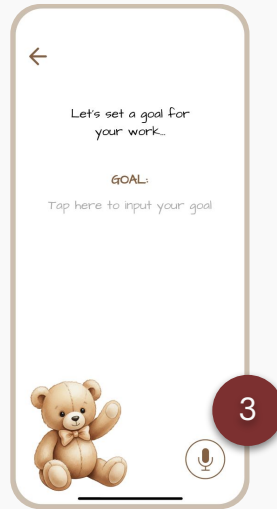
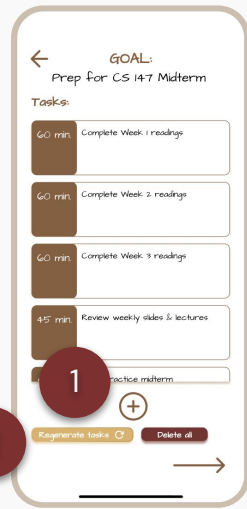
# 4. Standardizing 'clickables'

- Makes buttons more salient, gives them volume/substance
- Single template for all buttons and icons for easy recognition



## USABILITY GOALS: *CONSISTENCY*





## UI & PRODUCT REVISIONS

### 4. STANDARDIZING "CLICKABLES" - CONT.

- Icon images all filled with white strokes
- Buttons all use the same letter case format
- Buttons all use gradient fill
- Buttons all have consistent corner radius, icons are all circular

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## HI-FI PROTOTYPE IMPLEMENTATION

Here's where our prototype stands *as of this moment...*

### Framework/Tools

- JavaScript/React Native/TypeScript ~ *functionality*
- Supabase backend ~ *data storage*
- Github ~ *collaborative version control*

### AI Integration & Use

- Gemini-generated visuals of teddy bears
- AI code review

### Wizard of Oz Techniques

None. Most “smart” components are hardcoded or local-only at the moment.

### Hard-Coded Items

We have a few hardcoded features since our login/account creation is under construction.

- Tasks
- Goals (internally stored)
- Username

### Implemented Features

- Tab navigation
- Design system components
- Beginning a basic work session with no extra addendums (project breakdown, reflections, etc.)

## Unimplemented Features:

1. Project breakdown feature (manual & AI-assisted) → **Top priority!** (11/24)
2. Session archive → *top nice-to-have for record-keeping* (11/29)
3. Tasks vs. work sessions → *Second highest priority, can be merged with Feature (1) (11/26-27)*
4. (opt.) Collaboration/geographic locator → *if we have time...* (12/01)

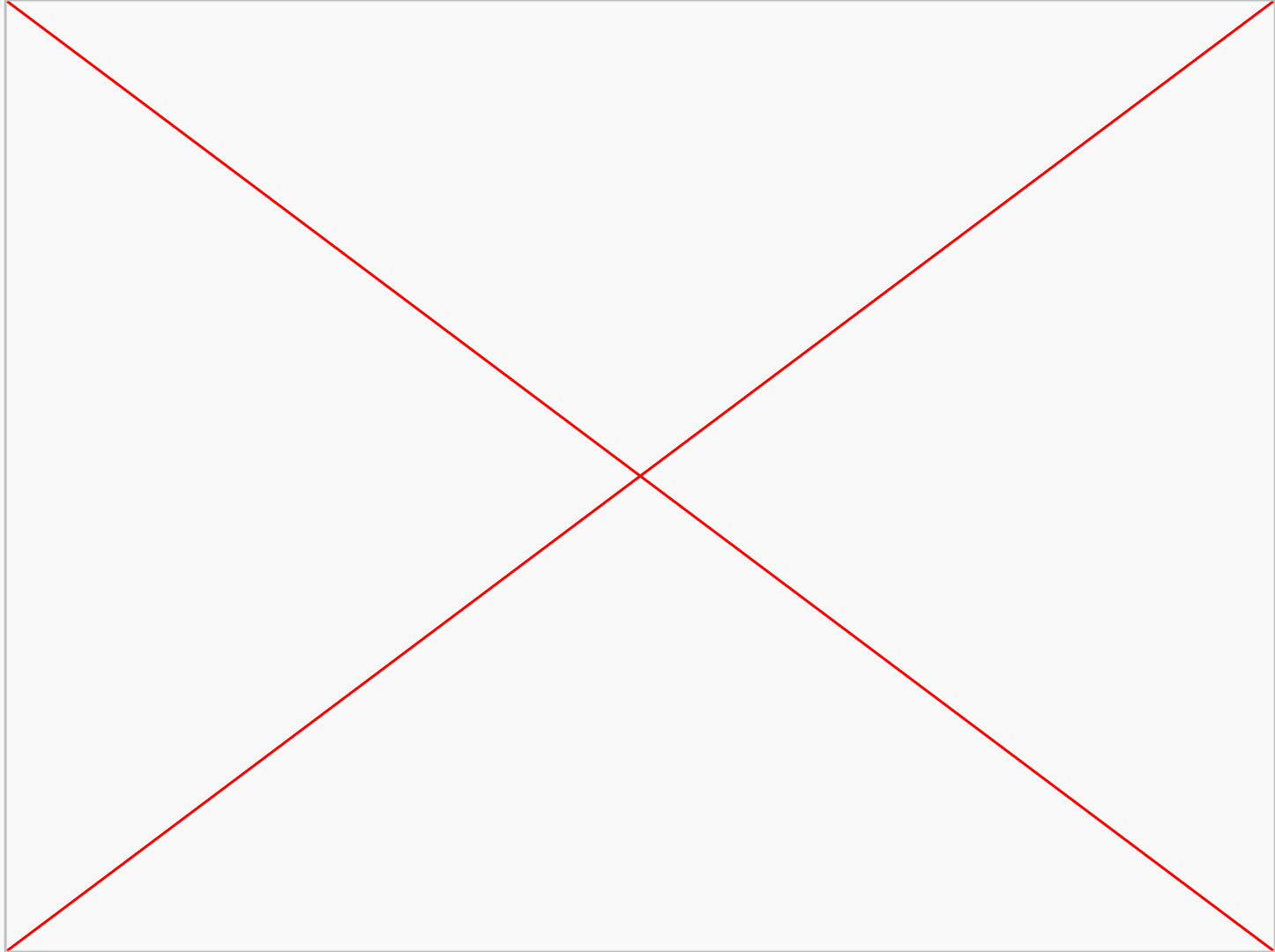
## Issues/Questions:

None at the moment, we will be sure to ask if anything comes up!

## Moving Forward → Task Lead

1. Login/register + Supabase reintegration → Felix
2. Task breakdown → Felix/Anthony
3. Reflections → Ayana
4. Session archive → Ananya
5. AI integration → Felix/Anthony

Demo Time!



Thank you.

Questions?