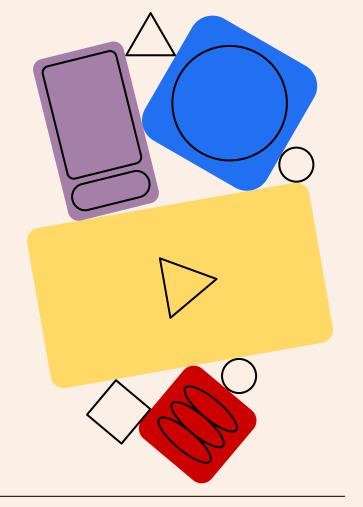
# tutti

A8: Interactive Highfi Prototype





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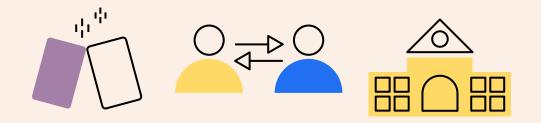
# Overview

## Problem

- Students struggle to find quick academic support that ensures productive and impactful learning sessions
- Students looking to gain teaching experience and earn extra income lack a platform to connect with potential tutees

## Solution

A free marketplace where students can efficiently search for an available tutor and leverage AI to enhance learning experience



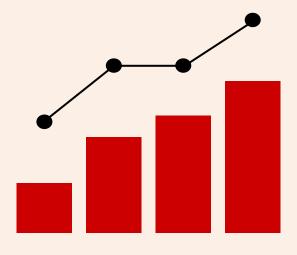
# Value proposition

On demand tutoring you can trust

# Agenda

- 1. Heuristic evaluation results
- 2. Ul revisions
- 3. Prototype implementation status
- 4. Demo

Heuristic
Evaluation
Results



# High Level Heuristics

93 Heuristic Violation

**36** Level 3 and 4 Violations

Most violations on:

H4: Consistency & Standards

"Most of the issues are cosmetic or very minor."

# Quantitative Summary

Heuristic	# Viol. (sev 0)	# Viol. (sev 1)	# Viol. (sev 2)	# Viol. (sev 3)	# Viol. (sev 4)	# Viol. (total)
H1: Visibility of System Status	0	3	1	1	2	7
H2: Match b/w System & World	0	5	3	1	0	9
H3: User Control & Freedom	0	0	2	3	2	7
H4: Consistency & Standards	0	7	3	0	3	13
H5: Error Prevention	1	0	2	5	2	9
H6: Recognition not Recall	0	2	0	3	1	6
H7: Flexibility & Efficiency of Use	0	1	2	2	3	8
H8: Aesthetic & Minimalist Design	0	8	1	0	0	9
H9: Help Users with Errors	0	1	0	1	1	3
H10: Help & Documentation	0	2	5	1	0	8
H11: Accessible Design	0	1	5	1	1	8
H12. Value Alignment & Inclusion	0	1	2	3	0	6
Total Violations	1	31	26	21	15	93

# Qualitative Summary

### Visual Design and Aesthetics

- Buttons lack visual consistency
- Need for varied colors to highlight key actions
- Use borders/Dividers to break up sections

### Functionality

- Add a **menu** for viewing/editing requests
- New shortcut for repeating sessions
- Adjust "Search Tutors" flow

### Accessibility

- Add clickable info bubbles to explain steps
- Improve error message for required text entry
- Ensure **higher contrast** for text for readability

#### **Education Theme**

- Add student-friendly design elements
- Use new lcons to brighten the interface
- New education-focused theme

# High Severity Violations (Level 4)

# H4: Show Meeting Location

Display meeting locations on session request and acceptance

### H7: Streamline Search

Enable tutor search directly on the home page.

# H5: Prevent Back After Payment

Disable back navigation after payment

## H4: Standardize Report Buttons

Align "view report" and "view Al report" button designs.

## H5: Add Edit/Cancel for Sessions

Allow users to confirm, edit, or cancel scheduled sessions

## H1: Show Payment Status

Display payment status (e.g., escrow, processed, refunded).

# High Severity Violations (Level 4) Cont.

# H7: Improve DM Button Visibility

Add a DM button on the home page and make it easier to find.

## H3: Cancel Recurring Sessions

Include a "cancel recurring" button for easier management.

# H3: Allow Session Start Without Recording

Add a "continue without recording" option for privacy.

# H6: Mark Recurring Sessions

Add tags to identify recurring sessions on the home page.

# H7: Add New Session Button

Add a clear "new session" button on the home page.

### H1: Add Calendar View

Create a calendar to view and edit availability.

# Major Violations Addressed:

H5: Unable to edit or cancel scheduled session

H3: Need for a more noticeable "new session" button

H6: No indication of recurring sessions

H3: Unable to cancel recurring sessions

H7: Direct Message (DM) button not accessible

H4: Inconsistent button design

H7: No filtering option for session requests

H5: Users able to go back and potentially pay twice.

H1: No indicator for payment state

H3: No option to skip recording

H1: Session confirmation does not include location

H12: No privacy policy during recording sessions

H2: Login page lacking information about the app

## Not Yet Addressed:

H12: Feature to report unsafe behavior

H3: Limit location options with map or

preset options

H6: More customizable recurring

sessions

H4: Ensure minimum button size

requirement

H12: Error messages for every input

### Time Constraints:

Some features (such as the calendar) may require more development time than was available.

### **Low Priority:**

Detailed inclusivity or consistency improvements across all pages are less important than other features

# Main Takeaways

### Design

Interface lacks visual consistency and intuitive organization to help users navigate platform

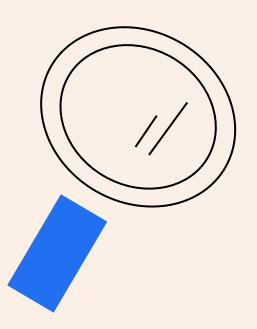
### **Accessibility**

Insufficient
instructions and
context to guide users
and lack of real-time
feedback

### **Functionality**

Certain processes are inefficient and fail to provide users with the control and flexibility

# Design Revisions

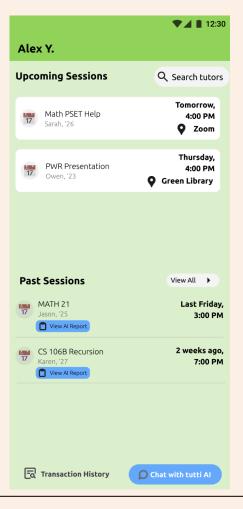


## **Home Page**

## Severity: 4

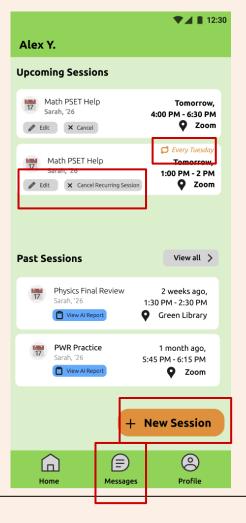
- H5: Unable to edit or cancel scheduled session
- H3: Need more noticeable
   "new session button"
- H7: unclear that "Search tutors" leads to new session

- H6: No indication of recurring session
- H3: Unable to cancel recurring session button
- H7: DM button not accessible



# **Revised Homepage**

- Add edit/cancel session buttons
- 2. Accessible new session button
- 3. Clear navigation bar

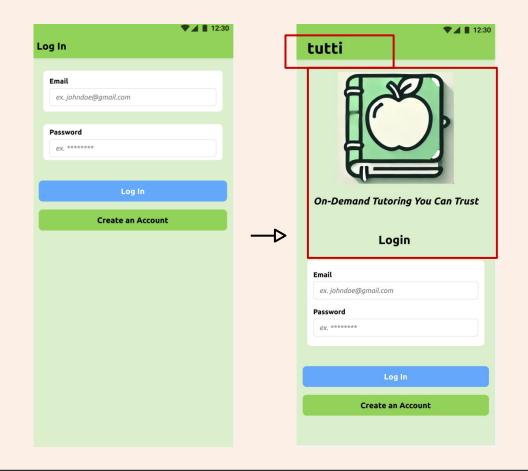


# Login

## Severity: 3

H2: Login page lacking information about the app

- Add tutti logo and app name on login
- 2. Include value proposition



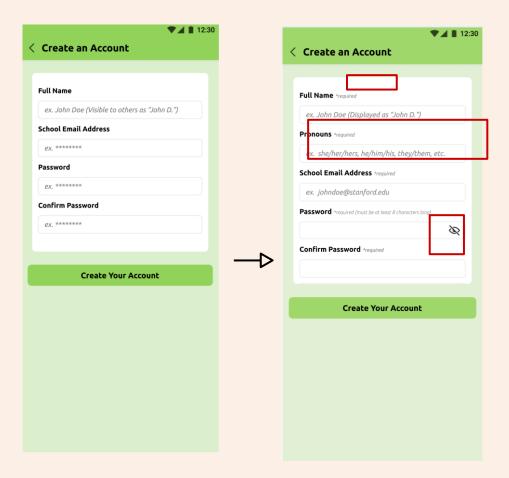
## **Create an Account**

## Severity: 3

**H3:** Missing information for valid inputs and required fields

**H12:** Lacking pronouns for inclusivity

- 1. Add pronoun field
- 2. Indicate required fields
- Add visibility button for password privacy

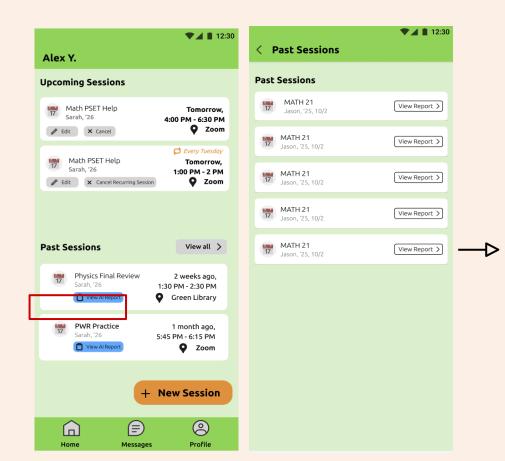


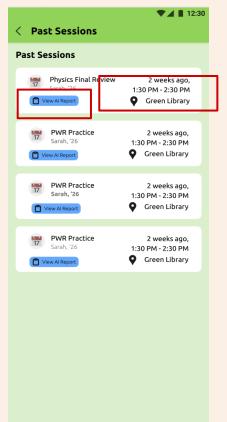
# Past Sessions:

Severity: 4

H4: Inconsistent button design

H6: Past session list last session information





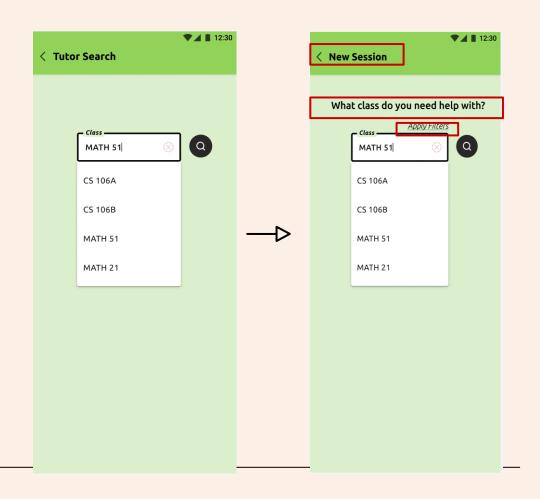
# New Session Request

## Severity: 3

H5: Lack input validation for session request

H7: No filtering option -> less efficient

- Add "Apply Filter" button for more personalized results
- 2. Guiding question on what to search
- 3. Reworded page title for clarity

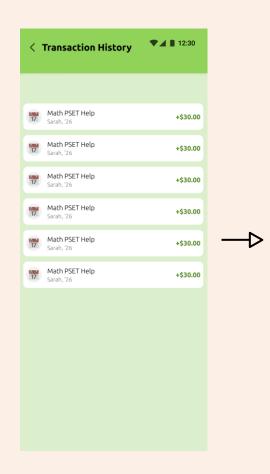


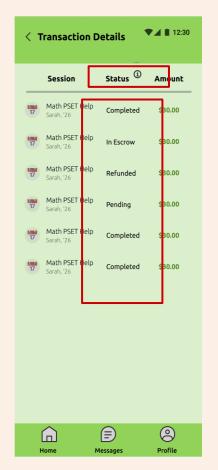
# Transaction Details

Severity: 4

H1: No indicator for payment state

- 1. Organized transaction details
- 2. Clear display of transaction state
- Add info button on status meaning





# Recording Session

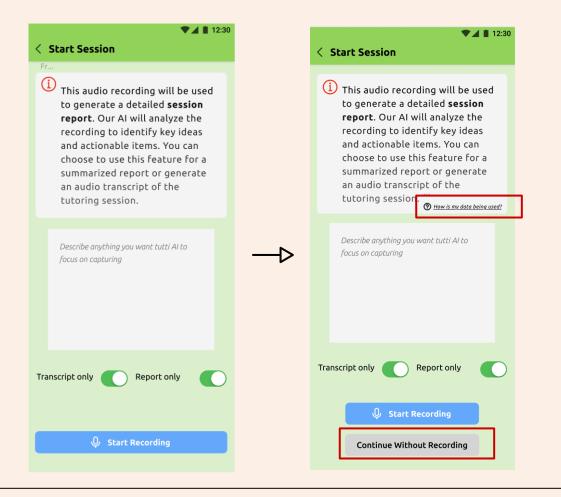
## Severity: 4

H3: No option to skip recording

## Severity: 3

H12: No privacy policy

- Add info button on data privacy
- 2. Add button to allow user to skip recording



# **My Profile**

## Severity: 4

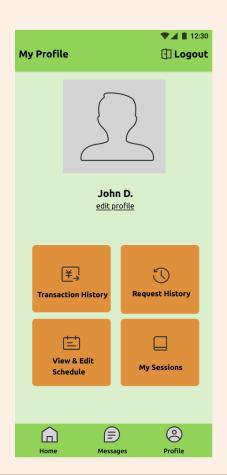
H1: Unable to see current schedule or change it

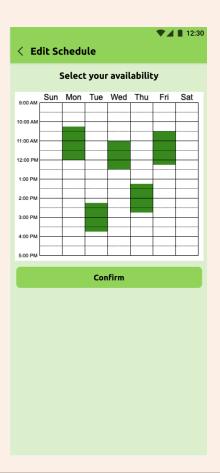
## Severity: 3

H3: Missing logout function

H7: Unable to view past requests

- 1. New profile page
- 2. Buttons to easily access user information





# Session Confirmation

## Severity: 4

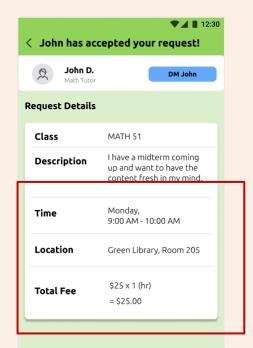
H1: Description does not include session location

## Severity: 3

H6: Unable to recall fee and payment

- 1. Reorganized request description
- Clear display of tutor fee and location
- 3. Adjusted button color for branding







## **Back Buttons**

## Severity: 3

H5: Users are able to go back and potentially pay twice

H5: Not intuitive to go back after creating account

## Fix:

 Remove unnecessary back buttons to avoid confusion and unintended actions



#### Select your availability



Confirm

#### Start Session

This audio recording will be used to generate a detailed session report. Our AI will analyze the recording to identify key ideas and actionable items. You can choose to use this feature for a summarized report or generate an audio transcript of the tutoring session.

Describe anything you want tutti AI to focus on capturing

Transcript only



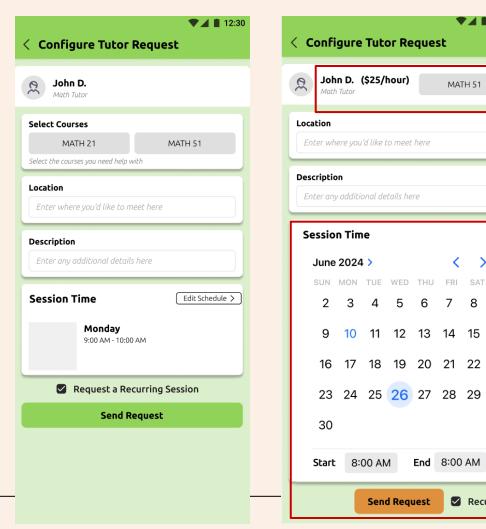
Report only





**Continue Without Recording** 

# Some additional changes!

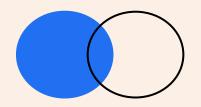


**12:30** 

MATH 51

✓ Recurring

# **Usability Goals Progress**



## **Usability Goals**

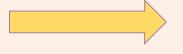
Hifi Improvements

Make the app an enjoyable experience



Adjusted color scheme and reorganized information to be easily recognizable

Allow users to perform tasks quickly with minimal effort.



Created new buttons and more intuitive paths to accomplish common user tasks

Protect users and their data at all times



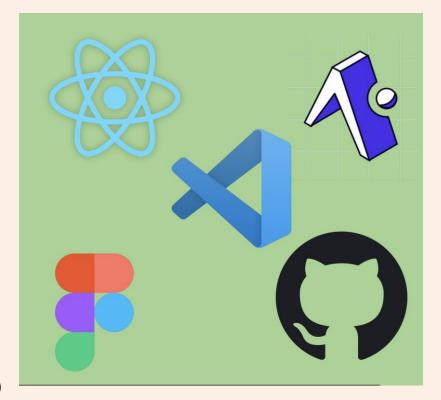
Allow users to opt-out of privacysensitive tools and provide clarity on how data is being used

## Tools:

• React Native (application

### framework)

- Expo (building and
- simulation)
- Visual Studio Code (IDE)
- Figma (for design
- components)
- GitHub (collaboration)
- Additional resources (reactnative.dev)



## **Hard Coded Features**

- Tutor Profile Information
- Upcoming/Past Session Details (date, time, location)
- Class Search + Tutor Search Results (student reviews, ratings, etc.)



## Implemented Features

### **User Account Management**

- Log in and sign-up functionalities are operational.
- Profile setup, including bio and schedule

### **Session Requests**

- Users can request new tutoring sessions with initial setup.
- Search by class and see available tutors

### **Home Page**

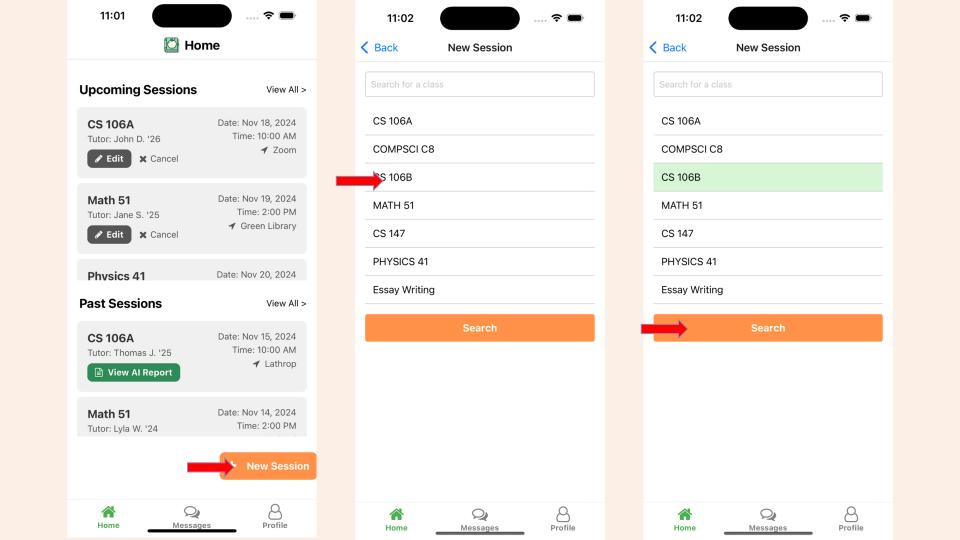
- Tutor profile information display.
- Upcoming and past session details (date, time, location).
- Class and tutor search results with ratings and reviews.

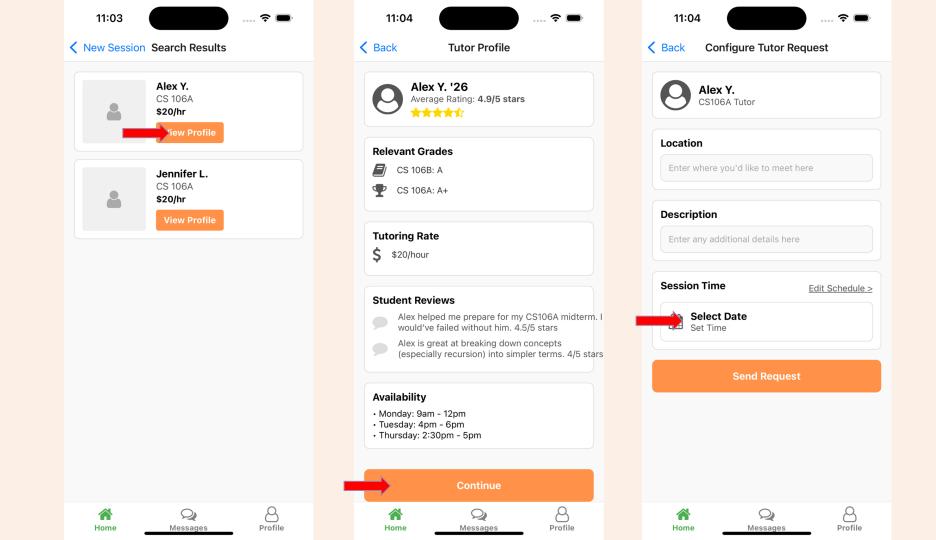
### **Calendar Integration and Session Creation**

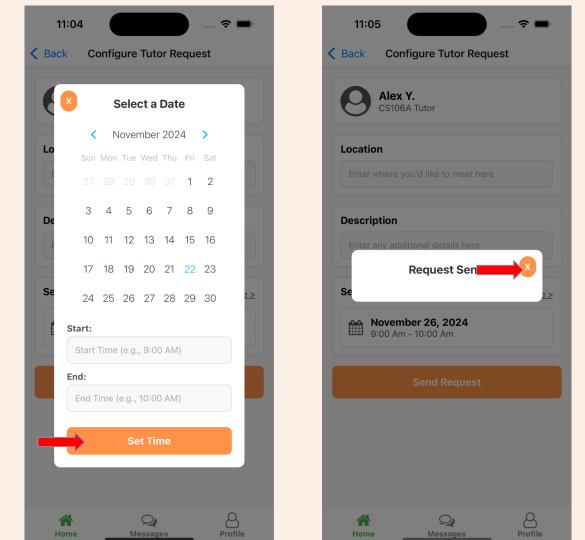
- Set up and manage your availability
- Set your rate and class you would like to tutor

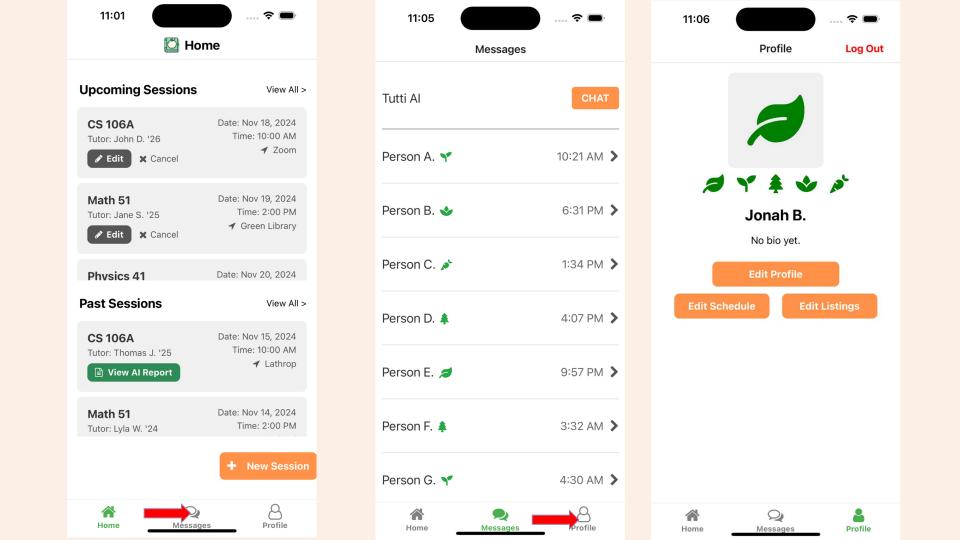
## Task Flow 1:

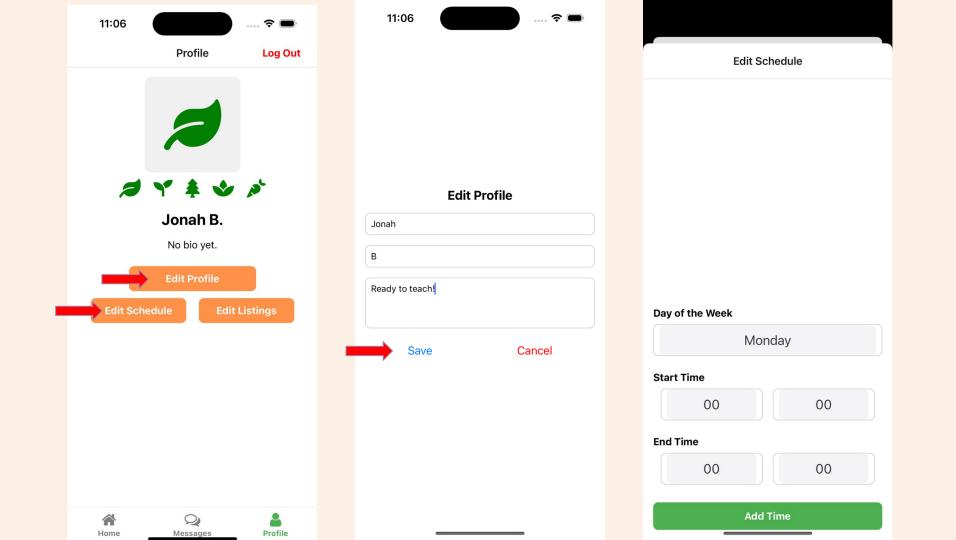
Request a Tutoring Session

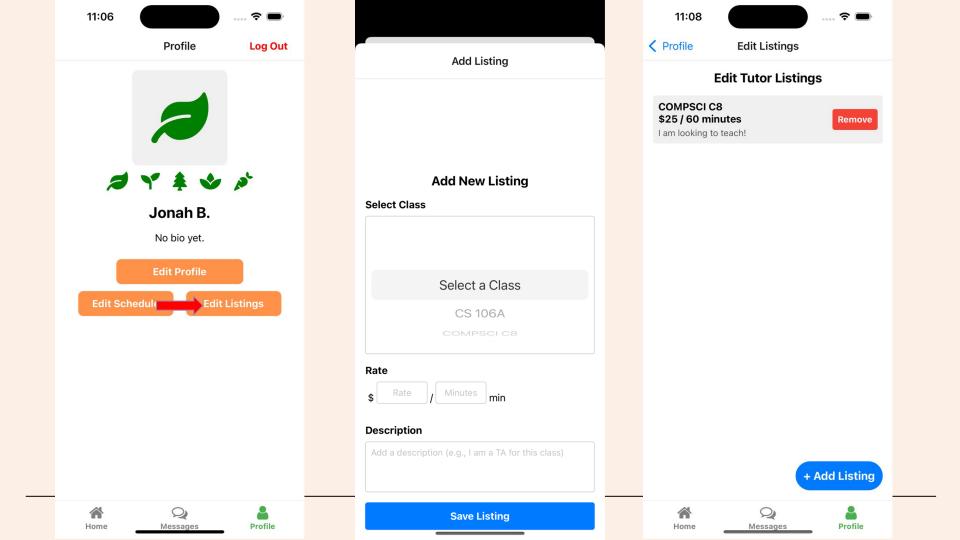












# Unimplemented Features

#### **Communication Tools**

- Chat functionality between students and tutors.
- Chat functionality with the Al

### **Session Management**

- Editing or canceling upcoming sessions via a home bar calendar
- Adding tags to mark recurring sessions

### **Integration and Advanced Functionality**

- Integration between students requesting sessions and tutors receiving requests
- Ability to start a session without recording
- Filtering options for session requests.
- Indicators for recurring sessions

#### **AI-Driven Features**

- Viewing Al-generated tutoring reports.
- Al Chat bot

# Plan for finishing

### **Prioritize High-Impact Features**

- Editing and canceling upcoming sessions.
- Adding a new home bar calendar view to manage availability.
- Implementing filters for session requests.

### **Complete Al Integration**

- Build and integrate the Al report-viewing feature.
- Ensure reports provide value alignment and inclusivity, as highlighted in heuristic evaluation.

#### **Enhance Communication**

- Add chat and DM functionality
- Add notifications for when you receive a session request as a tutor
- Add pop up notifications for when you receive a message

### **Ensure Accessibility and Privacy**

- Implement privacy options (e.g., Al usage, option to skip recording).
- Add inclusive design elements, such as a pronoun field in the signup process.

# Demo

