



# A8 Hi-Fi Prototype

**Team:** Locked 

- Alexander Yue
- Evan Hsu
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- Ecem "AJ" Yilmazhaliloglu

# Presentation Outline

01

Overview

02

Heuristic Eval  
Results

03

Eval/Revisions to  
UI

04

Prototype  
Implementation

05

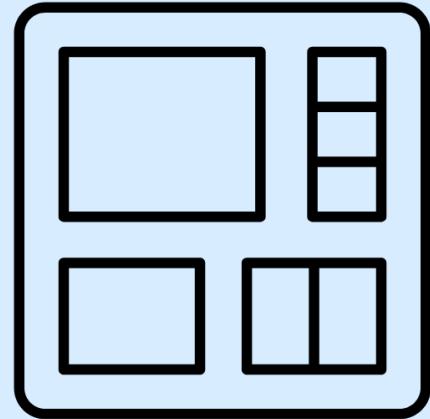
Demo



01

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OVERVIEW



# Meet The Team

'25



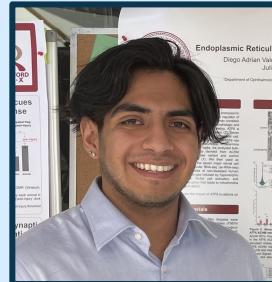
**Ecem  
Yilmazhaliloglu**  
BS CS  
Istanbul, Turkey

**Alexander Yue**  
BS Physics  
Sacramento, CA



'27

'25



**Diego Valdez  
Duran**  
Coterm CS  
Aspen, CO

**Evan Hsu**  
Coterm CS

Rancho Cucamonga, CA



'25



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# Introducing:

# Lockedin



*We help college students study together*



# How does Lockedin work?

We collect information from students in classes and use AI enhanced tools paired with research on effective collaboration practices to automatically plan recurring study sessions and manage assignments



## *The Problem*



many us undergraduate students use collaboration as a study tool for academic success, but often find the **formation, scheduling, and planning** of such groups quite **difficult**

## *Our Solution*



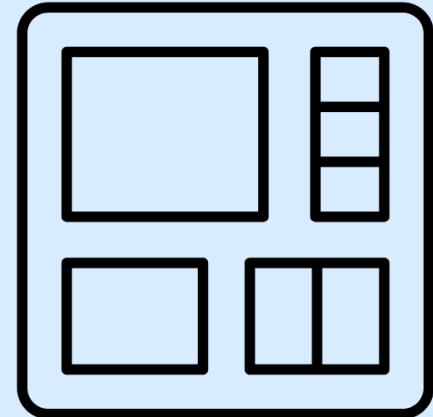
A centralized platform to foster academic partnerships with **pre-planned** and **convenient** study group sessions using preferences, schedules, and learning styles



# 02

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## Heuristic Evaluation Results



# 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	0	3	2	0	5
H2: Match b/w System & World	0	1	0	1	0	2
H3: User Control & Freedom	0	0	0	2	1	3
<b>H4: Consistency &amp; Standards</b>	0	1	<b>5</b>	<b>5</b>	0	<b>11</b>
H5: Error Prevention	0	0	2	1	0	3
H6: Recognition not Recall	0	0	2	1	0	3
H7: Flexibility & Efficiency of Use	0	2	2	0	0	4
H8: Aesthetic & Minimalist Design	0	1	2	1	1	5
H9: Help Users with Errors	0	0	0	1	0	1
H10: Help & Documentation	0	1	2	0	0	3
H11: Accessible Design	0	1	1	0	0	2
H12. Value Alignment & Inclusion	0	4	0	0	0	4
<b>Total Violations</b>	0	11	19	<b>14</b>	<b>2</b>	46

# Qualitative Summary

## Inconsistencies in Design

- Button styles
- Fonts
- Navigation Elements

## Navigation

- Not functional in Figma

## Appearance

- Lacking color vibrancy
- Missing original branding

## Accessibility

- Could add voice-input
- Could add adjustable text sizes

## Terminology

- Action terms need standardization
- “Ignore” “accept” “delete”
- Iconography for exit unclear

## Advanced Interactions

- Could add swiping for navigation
- Could add swiping for delete

# We focus on these 3 areas

## Inconsistencies in Design

- Button styles
- Fonts
- Navigation Elements

## Navigation

- Not functional in Figma

## Appearance

- Lacking color vibrancy
- Missing original branding

Vibrant colors are challenging to get right. We will stick to Prof Landay's recommendation of a single accent color

## Accessibility

- Could add voice-input
- Could add adjustable text sizes

These features would be nice in a real product but our out of scope for our prototype

## Terminology

- Action terms need standardization
- "Ignore" "accept" "delete"
- Iconography for exit unclear

## Advanced Interactions

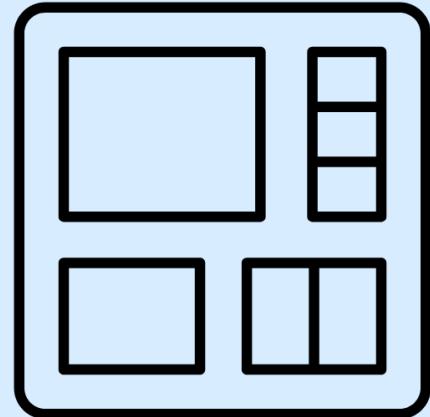
- Could add swiping for navigation
- Could add swiping for delete

These features would be nice in a real product but our out of scope for our prototype

# 03

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## EVALUATIONS / REVISIONS TO UI



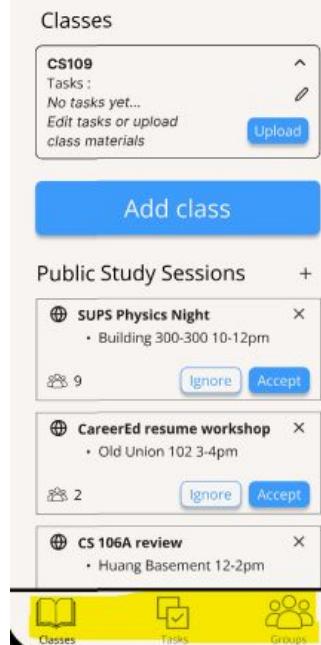
# Problem Addressed: Tab Bar is Not Functional Across All Screens

**H3: User Control & Freedom**

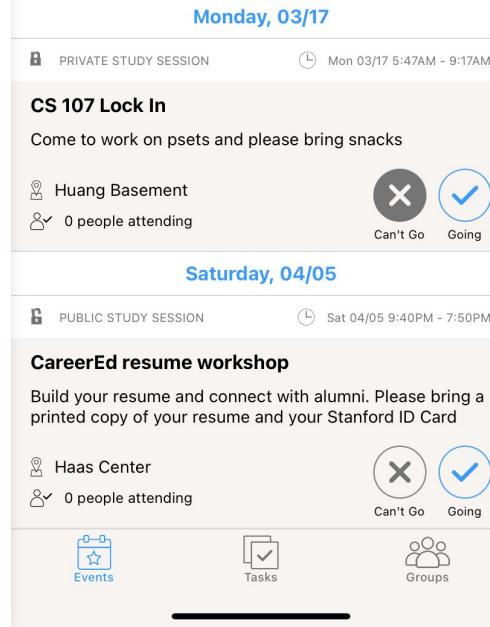
**Severity: 4**

*The bottom navigation bar does not work across all screens*

**Before**



**After**



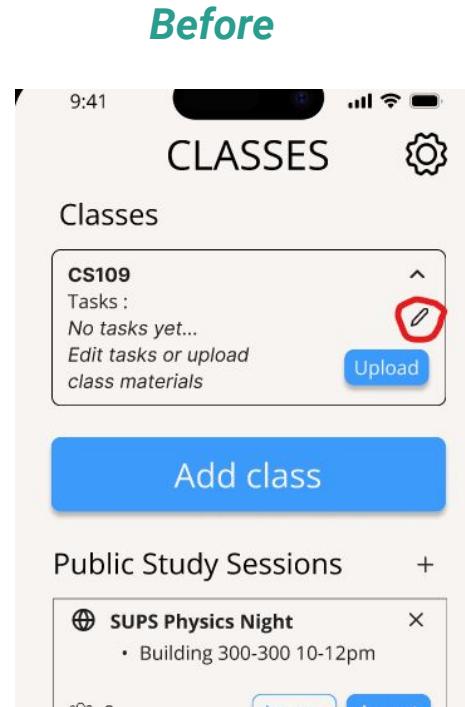
We made sure that the navbar was always active in the app

# Problem Addressed: Unreadability After Repeated Clicking the “Edit” Icon

**H8: Aesthetic & Minimalist Design**

**Severity: 4**

*Repeatedly clicking the edit button creates overlapping text, making the tab unreadable*



**After**

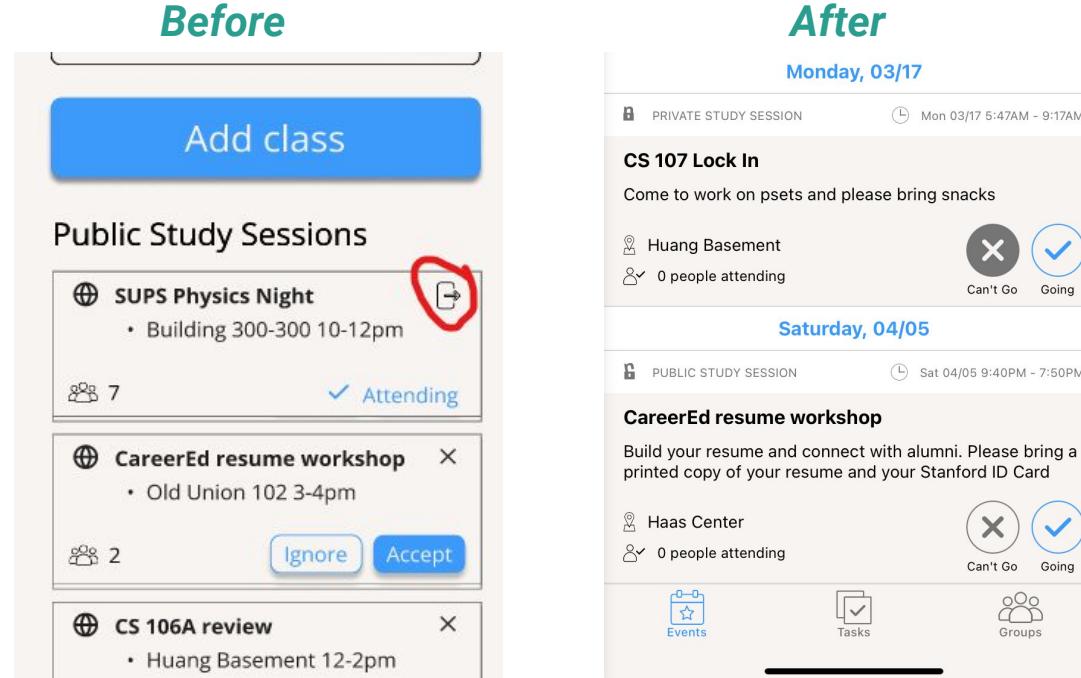
We could not reproduce this issue. Nonetheless, it is a figma specific bug and we ensured that the hi-fi edit button functions as expected

# Problem Addressed: Attendance Withdrawal Icon is Not Intuitive

**H4: Consistency & Standards**

**Severity: 3**

*Icon to withdraw event attendance is not intuitive and not placed next to "Attending"*



Replaced variable buttons with two toggle radio buttons. Now the three states are clearly visible and only two buttons are needed to change between them

in

# Problem Addressed:

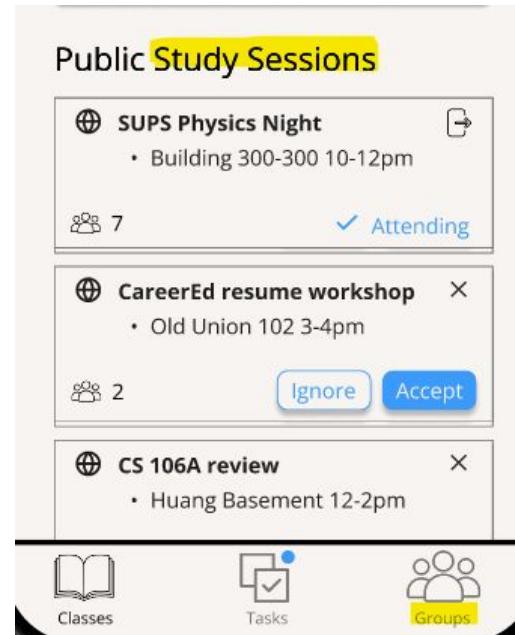
Potential Confusion Between “Study Sessions” and “Groups”

## H4: Consistency & Standards

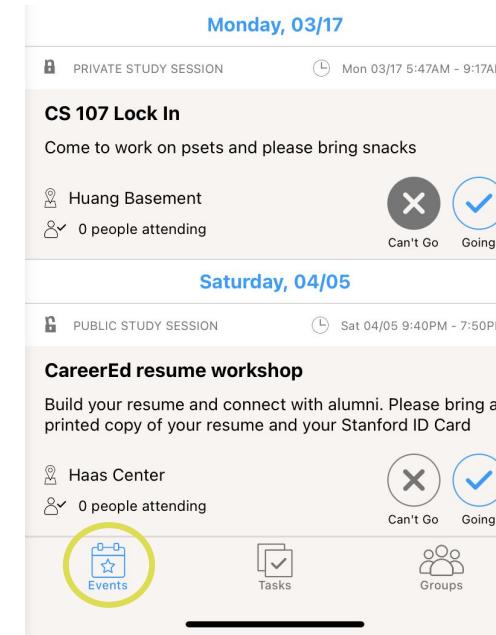
Severity: 3

The similar phrases “Study Sessions” and “Groups” may lead users to believe that they are the same

Before



After



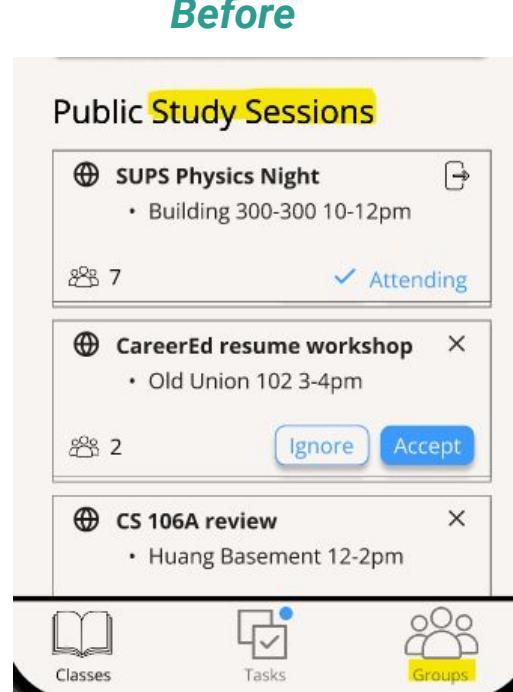
We have moved all study sessions into a tab labelled “events.” We believe this will help separate the events and group functions

# Problem Addressed: No Indication When a Public Study Session is Full

**H9: Help Users with Errors**

**Severity: 3**

*Having no indication that a study session is full can cause confusion among users*



**After**

We do not intend for public study sessions to have a max capacity, but we may make this clearer during the onboarding process

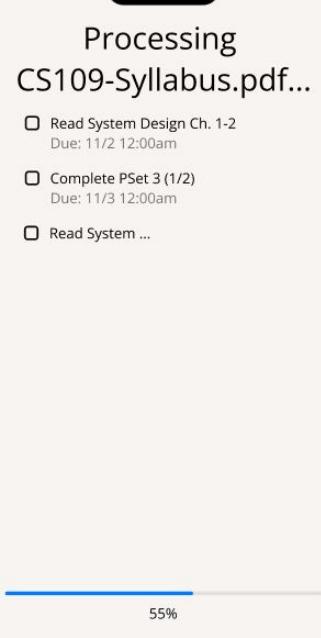
# Problem Addressed: No Button to Cancel Uploading Process

**H3: User Control & Freedom**

**Severity: 3**

*There should be a “cancel” button available if the user wishes to cancel this process*

**Before**



Processing  
CS109-Syllabus.pdf...

- Read System Design Ch. 1-2  
Due: 11/2 12:00am
- Complete PSet 3 (1/2)  
Due: 11/3 12:00am
- Read System ...

55%

**After**



Upload Material 2  
9:41  
Go Back PARSE TASKS Done

Extracting Tasks from  
CS109-Syllabus.pdf...

- Read System Design Ch. 1-2  
Due: 11/2 12:00am
- Complete PSet 3 (1/2)  
Due: 11/3 12:00am
- Read System ...

We added a cancel button

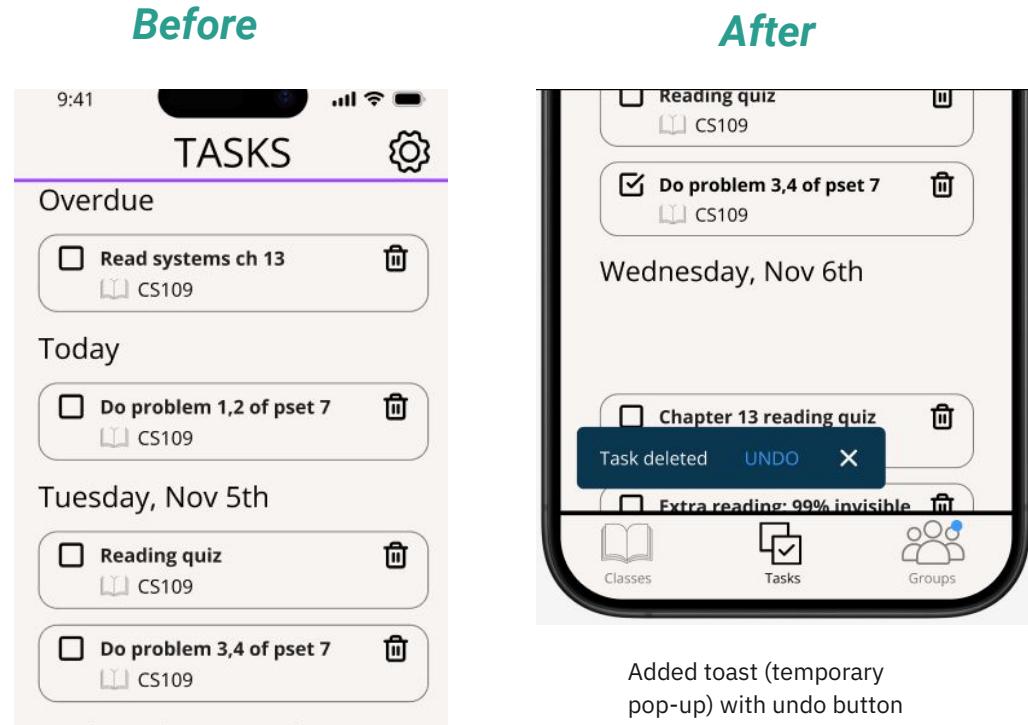
# Problem Addressed:

## No Method to Recover a Deleted Task

### H3: User Control & Freedom

**Severity: 3**

*If a task is accidentally deleted or if users change their minds, there needs to be a way to recover tasks*

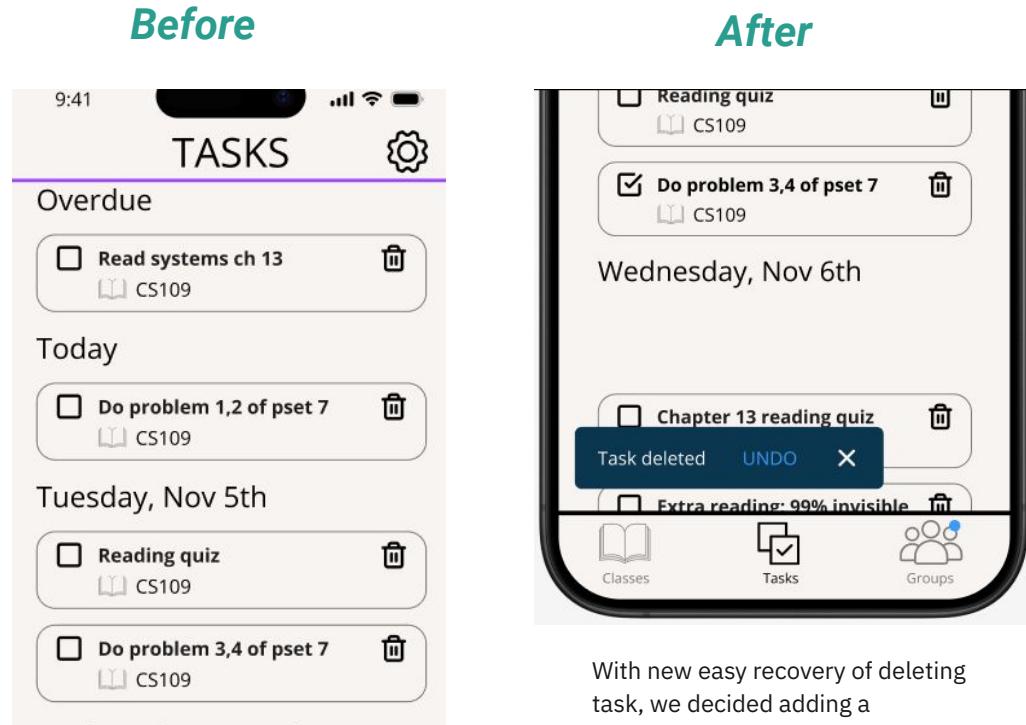


# Problem Addressed: No Confirmation to Delete a Task

## H5: Error Prevention

### Severity: 3

If users accidentally click the trash icon, they may not realize a task was deleted, leading to an unexpected loss of crucial information



With new easy recovery of deleting task, we decided adding a confirmation would be unnecessary and slow down users

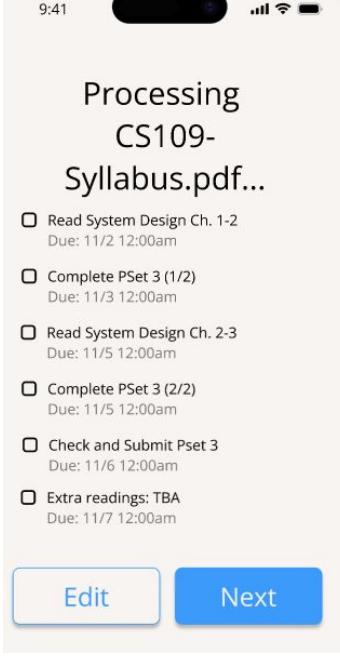
# Problem Addressed: The Label “Processing [resource]” is Unclear

**H1: Visibility of System Status**

**Severity: 3**

*The users can be confused on what “processing” entails*

**Before**



Processing  
CS109-  
Syllabus.pdf...

- Read System Design Ch. 1-2  
Due: 11/2 12:00am
- Complete PSet 3 (1/2)  
Due: 11/3 12:00am
- Read System Design Ch. 2-3  
Due: 11/5 12:00am
- Complete PSet 3 (2/2)  
Due: 11/5 12:00am
- Check and Submit Pset 3  
Due: 11/6 12:00am
- Extra readings: TBA  
Due: 11/7 12:00am

[Edit](#) [Next](#)

**After**



Upload Material 2

9:41 Go Back PARSE TASKS Done

Extracting Tasks from  
CS109-Syllabus.pdf...

- Read System Design Ch. 1-2  
Due: 11/2 12:00am
- Complete PSet 3 (1/2)  
Due: 11/3 12:00am
- Read System ...

We relabeled this page to the more informative “Extracting tasks from”

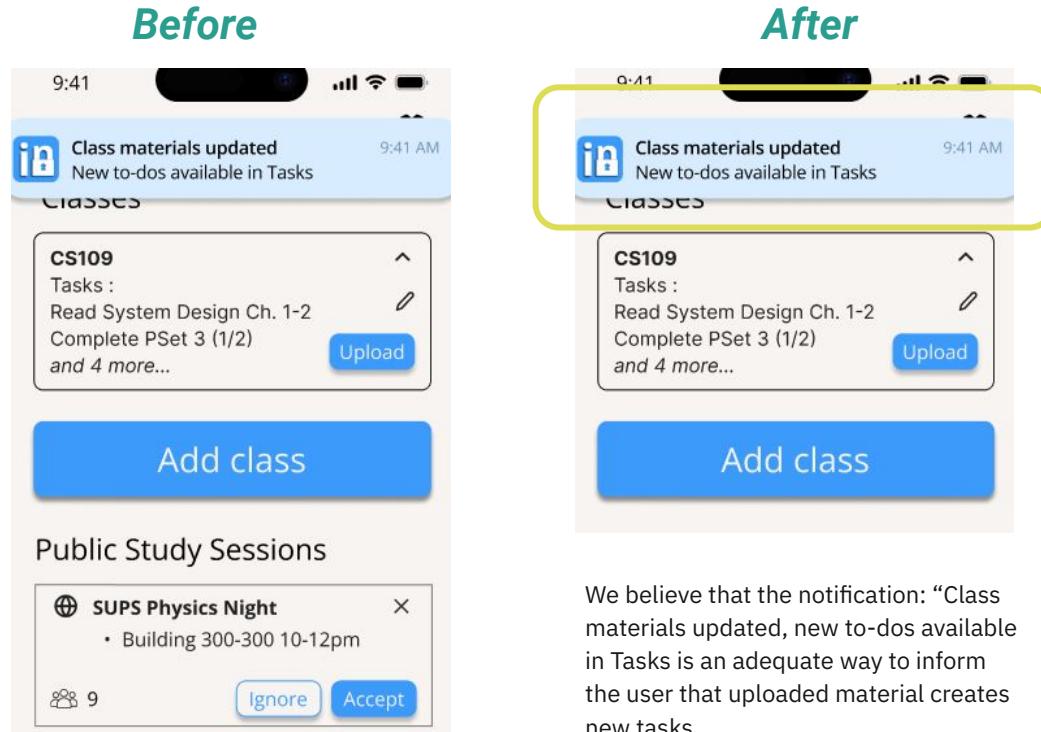


# Problem Addressed: The Result of Uploading Materials is Vague

**H1: Visibility of System Status**

**Severity: 3**

*Users may be confused on what can be done after uploading materials*



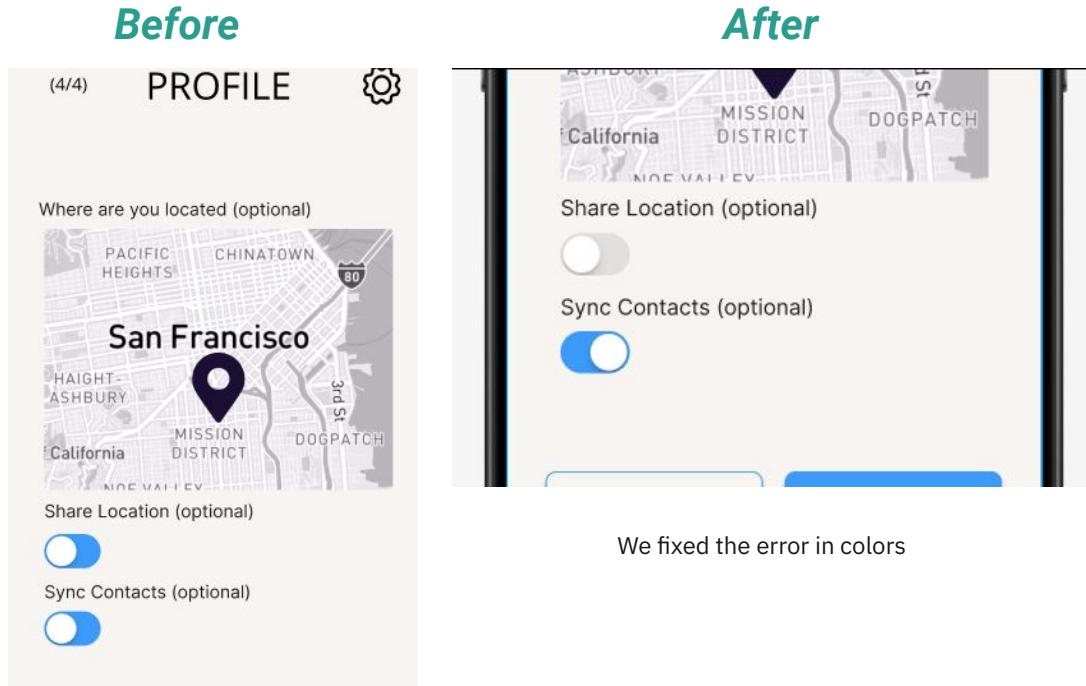
We believe that the notification: “Class materials updated, new to-dos available in Tasks is an adequate way to inform the user that uploaded material creates new tasks

# Problem Addressed: Toggles Share Location Screen are Unconventional

**H4: Consistency  
and Standards**

**Severity: 3**

*Location toggles  
should be off instead  
of on as a default*



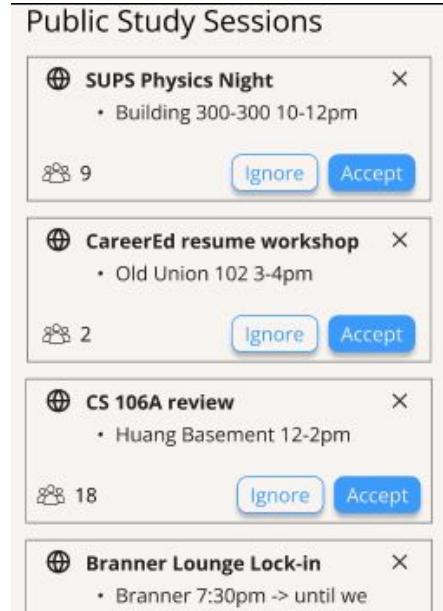
# Problem Addressed: Uniform, Minimal Color Scheme Used Throughout App

H8: Aesthetic &  
Minimalist Design

Severity: 3

Color scheme can  
make it difficult for  
users to distinguish  
different sections and  
actions

*Before*



Thursday, 03/13

0 people attending Can't Go Going

PUBLIC STUDY SESSION Thu 03/13 9:14PM - 9:14PM

On-Call Cafe study

Pull up for chill stud vibes and free drinks to the first 25 students who turn in an assignment

Old Union 1st Floor

0 people attending Can't Go Going

Monday, 03/17

PRIVATE STUDY SESSION Mon 03/17 5:47AM - 9:17AM

CS 107 Lock In

Come to work on psets and please bring snacks

Huang Basement

0 people attending Can't Go Going

Saturday, 04/05

PUBLIC STUDY SESSION Sat 04/05 9:40PM - 7:50PM

CareerEd resume workshop

We decided not to add additional accent colors, but did add two more white and gray shades to use as separators within the app feeds

# Problem Addressed: Study Sessions are Not Grouped by Class

**H6: Recognition  
not Recall**

**Severity:** 3

*Although tasks are grouped by date and class, study sessions are only grouped by date*

## Before

Today

- Do problem 1,2 of pset 7 trash  
 CS109
- OnCall Cafe study (w/ coffee) X
  - Old Union 6-8pm 11/4

6 Ignore Accept

Tuesday, Nov 5th

- Reading quiz trash  
 CS109
- Do problem 3,4 of pset 7 trash  
 CS109
- Check pset 7
  - Otero lounge

Alex, Diego Decline Accept

Adam

## After

PRIVATE STUDY SESSION MON 11/18 6:00PM - 8:00PM

**CS 109 Group Study Session**

Come to study for CS 109 and check pset 6 answers. Some snacks provided

Huang Basement X ✓

6

2

The class name is now automatically placed into the title of private study sessions and highlighted

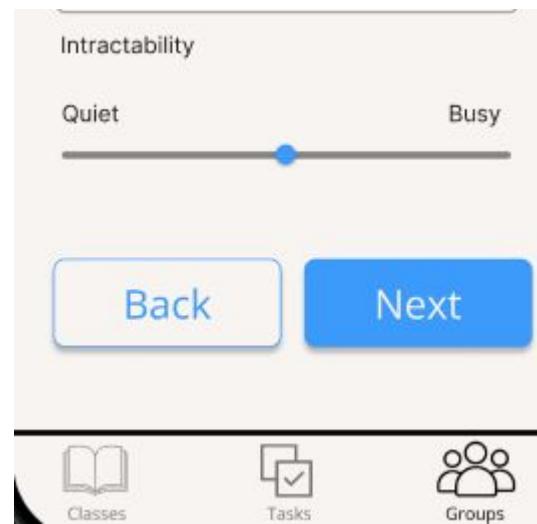
# Problem Addressed: “Intractability” is Ambiguous

**H2: Match b/w  
System & World**

**Severity:** 3

*Ambiguity of “intractability” makes it difficult for users to understand and adjust their preferences*

**Before**



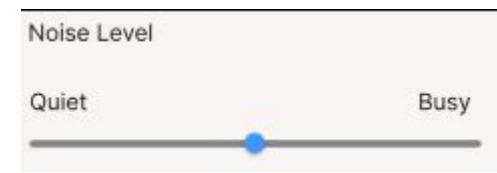
Intractability

Quiet                      Busy

Back          Next

Classes    Tasks    Groups

**After**



Noise Level

Quiet                      Busy

Back          Next

We changed this setting to “noise level”  
We also plan to rework our survey questions

# Problem Addressed: No Indication of Required Fields

**H4: Consistency & Standards**

**Severity: 3**

*There are some optional fields, but no required fields, creating inconsistencies*

**Before**

The 'Before' screenshot shows a 'PROFILE' screen with a progress indicator '(1/4)'. It contains three input fields: 'Interests' (with a blue plus icon), 'About Me (optional)' (with a blue plus icon), and 'University' (with a search bar 'Search for a university...').

**After**

The 'After' screenshot shows the same 'PROFILE' screen. The 'Interests' field now has an asterisk (\*) next to it, indicating it is a required field. The other fields ('About Me' and 'University') remain optional.

We added an \* to indicate required as is standard in other apps like google forms

# Problem Addressed:

## Margin and Padding of the Intro Pages are Inconsistent

### H4: Consistency & Standards

**Severity: 3**

*The formatting inconsistencies can cause a slight disturbance with the aesthetic flow through the app's introduction*

*Before*



We upgraded our landing page to a single page with an information carousel. Now the formatting is consistent

# Progress towards our Usability Goals



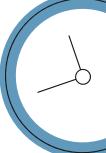
## Efficiency

- Improved app flow
  - Navbar is now always active across all screens, minimizing navigation steps for tasks
  - Redefined the "Study Sessions" tab as "Events" for clearer organization and to reduce confusion
  - Added a "Cancel" button for uploads and optimized task recovery with an undo button
  - Reformatted the intro page into a consistent carousel format, providing quicker access to app info



## Error Prevention and Recovery

- Improved Error Prevention
  - Introduced \* and consistent markers for required fields to prevent user submission errors
  - Replaced ambiguous labels like "Intractability" with "Noise Level" to avoid misinterpretations
  - Added clear feedback like "Class materials updated, new to-dos available in Tasks" for tasks
- Quick Recovery Options
  - Toast notifications with undo buttons enable immediate recovery from accidental deletions
  - Toggle radio buttons simplify navigation between attendance states, reducing errors



# Progress towards Our Values



## *Inclusive*

- Support for diverse needs
  - Grouped study sessions by class for context-driven matching of peers
  - Improved onboarding process to clarify app details



## *Intuitive*

- Simplified Interaction Design
  - Adjusted inconsistent color schemes and improved toggle visibility,
  - Relabeled certain processes like “Extracting Tasks” for clarity



## *Reliable*

- Better Consistency
  - Fixed margins and padding for intro pages
  - Addressed potential usability bugs in edit buttons and ensured expected functionality across prototypes



## *Trustworthy*

- Transparent Communication
  - Made onboarding clearer and ensured accurate descriptions of app features
  - Prioritized user-centric decisions, such as eliminating unnecessary deletion confirmations for efficiency

04

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# PROTOTYPE IMPLEMENTATION



# TECH STACK

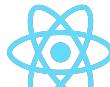
## App Testing

Expo Go



## Frontend

React Native



React Native

## Backend

Database - Convex



Login Flow - OAuth



Authentication - Clerk

LLM - Open AI API



## Version Control

Github

## Coding Assistance

Claude 3.5 + Cursor Pro



## Miscellaneous

Task Management - Miro

Android App testing - Android studio

Coding Language - Typescript

UI Package - Tamagui with custom config

Animation - React Animated

T A M A G U I

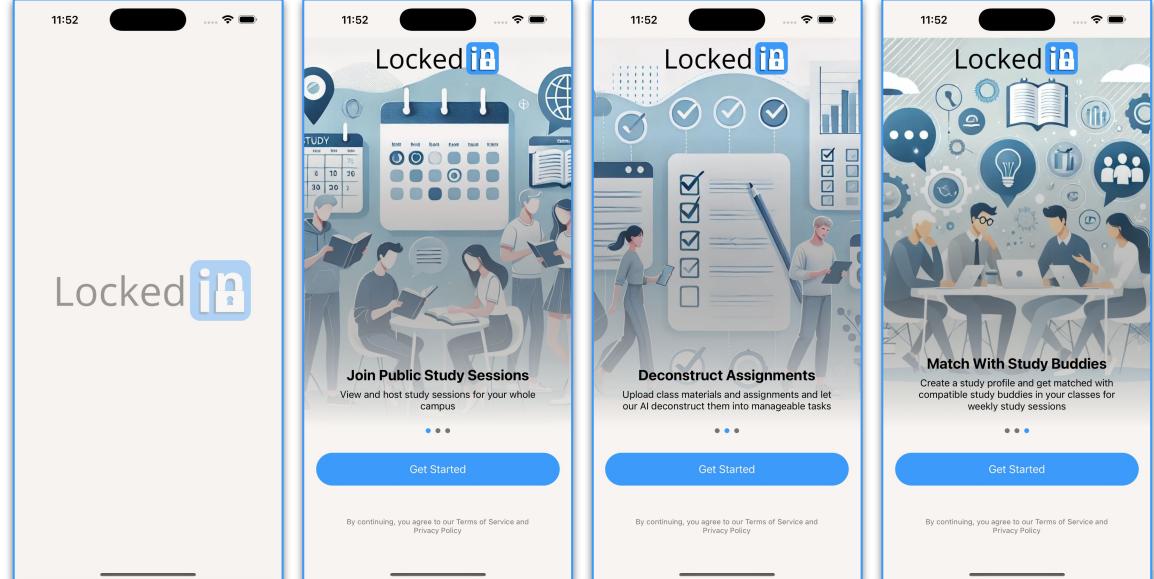
Iconography - powerpoint + inkscape



# Implemented Features

## *Onboarding Flow*

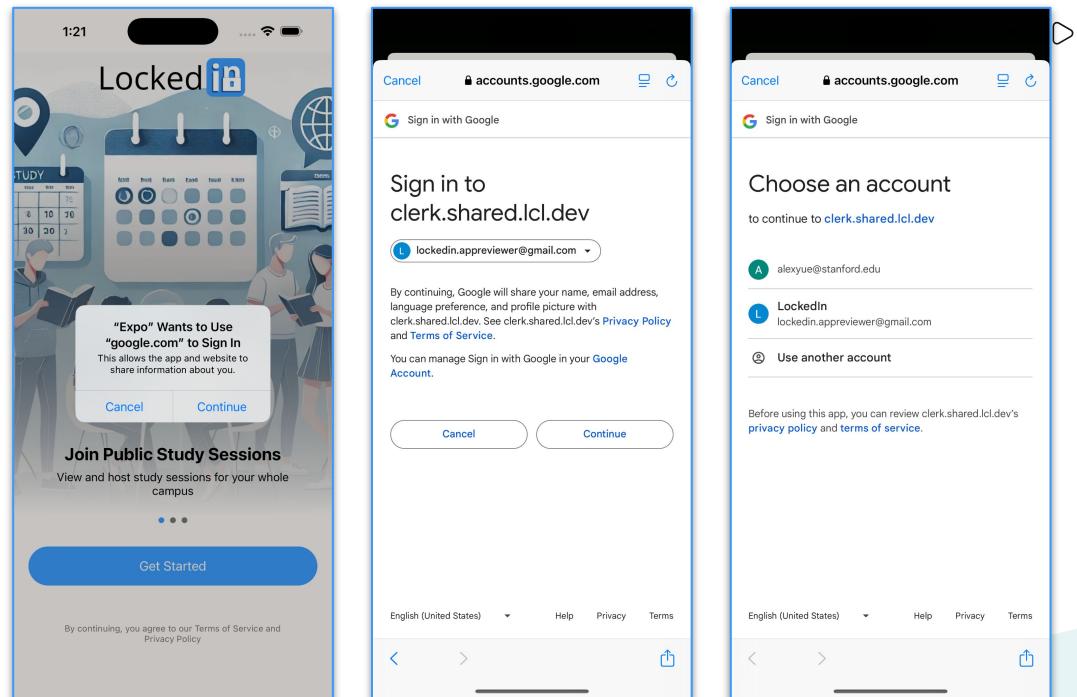
- Walks users on the main features of the app and what they can do on it
- We aimed to make use of whitespace and capitalize on branding and our productivity theme



# Implemented Features

## Login Page

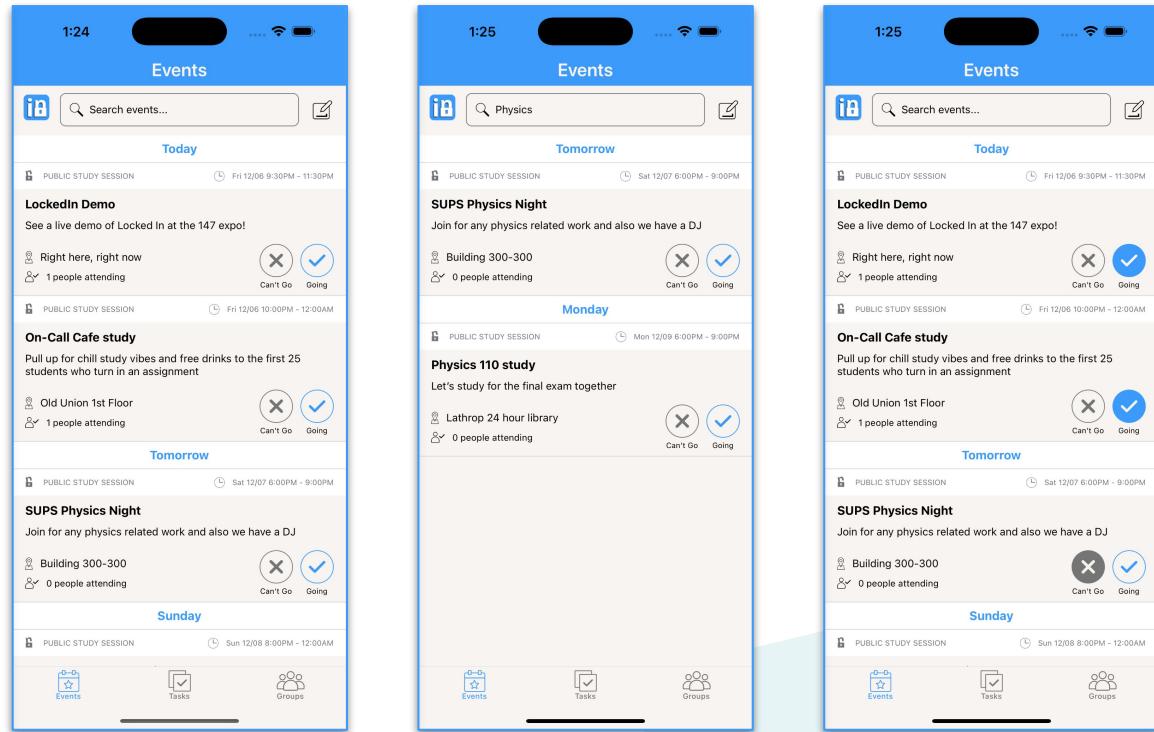
- Integrated with Google for efficiency and ease of use
- Follows industry standards and conventions for authentication
- Clear button indicators for user actions (Get Started very visible and actionable)
- Authentication is managed by Clerk and saved to backend



# Implemented Features

**Simple Task:** Discover public open study sessions for a class

- Home screen is a ‘feed’ of public open study sessions
- Users can indicate that they’re going using the radio buttons
- Search for specific classes will filter feed results
- Scrollable with different dates for study sessions
- Events and their attendees are saved to the backend
- Optimistic updates done for responsive buttons

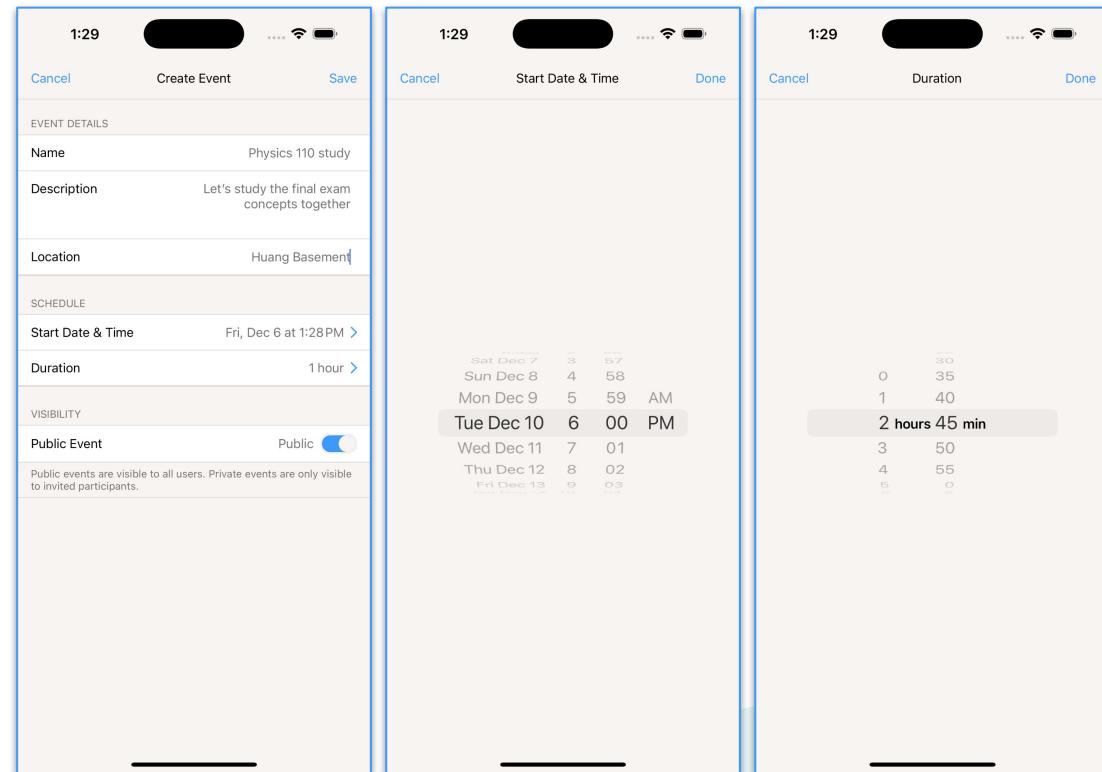


# Implemented Features

## *Simple Task Cont. :*

### Create public/private study sessions

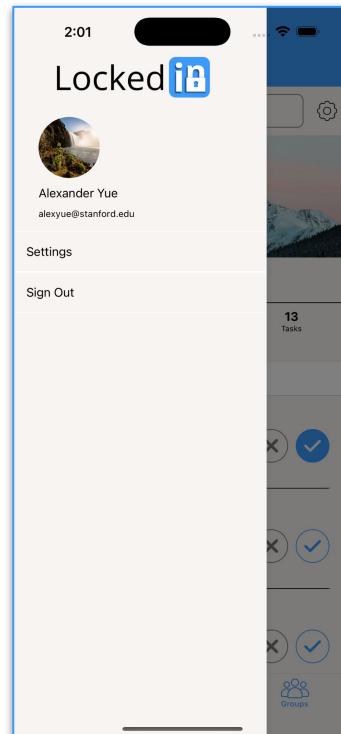
- Users can create their own study sessions events as well by filling our the information in the create event page
- Setting time and duration is done through separate pages and operates using Apple's mechanics which should be familiar to the user
- Ability to toggle between public and private study sessions
- Mult-page form input is done with a zustand store



# Implemented Features

## *Settings Sidebar*

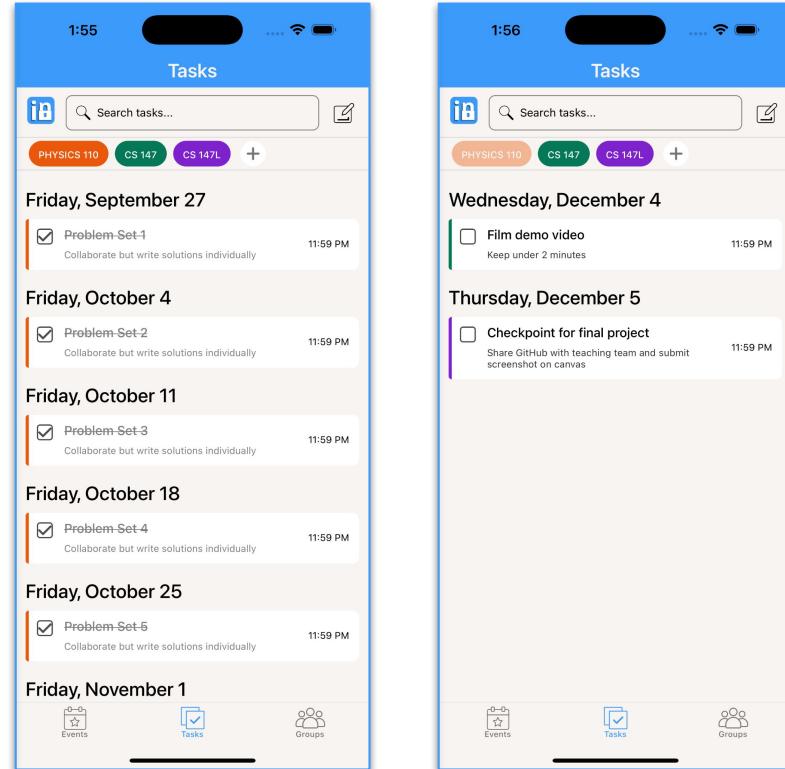
- Users can view the sidebar by clicking on the icon in the top left corner of the app
- This sidebar includes information about the user and ability to edit their settings
- Currently, the user can edit their profile picture by clicking on the image and then selecting from camera roll



# Implemented Features

## Moderate Task: Upload files for AI synthesis

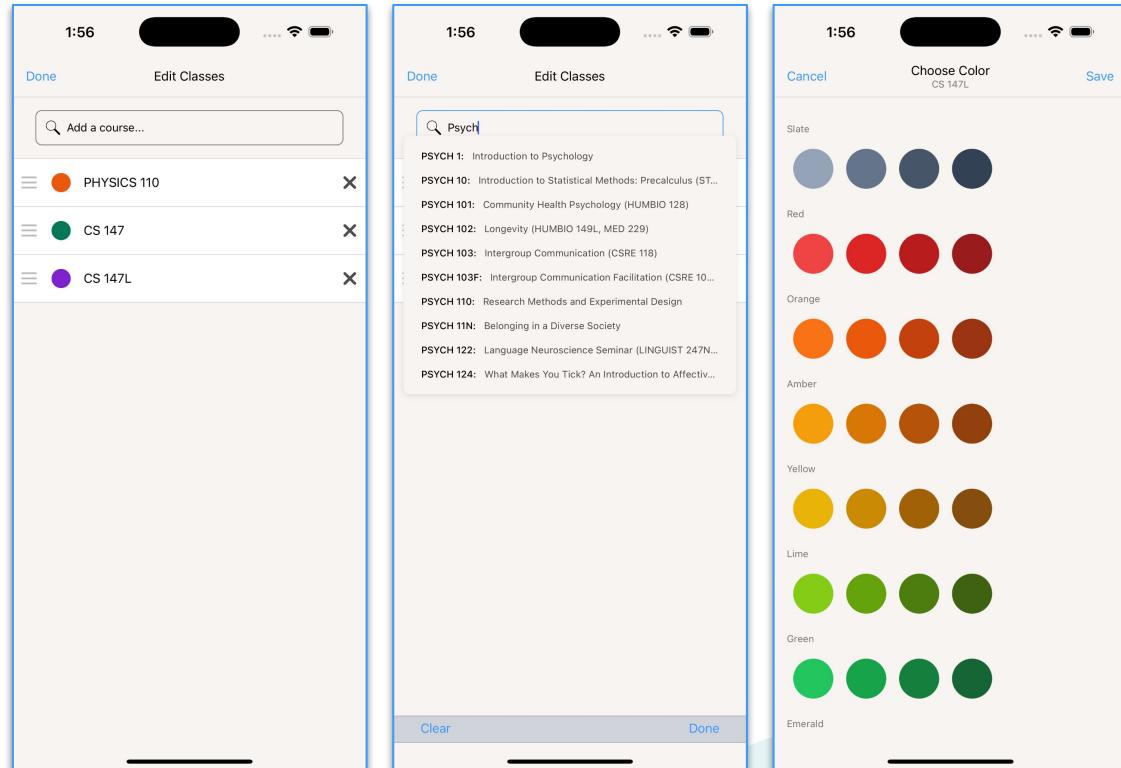
- View tasks (saved in database per account)
- Mark tasks as done
- Filter by class



# Implemented Features

## Moderate Task Cont. : Upload files for AI synthesis

- Edit classes (saved to database per account)
- Add classes from Stanford courses
- Change color and order of classes
- Remove class from account



# Implemented Features

## Moderate Task Cont. : Upload files for AI synthesis

- Hold down on task to open modal
- Edit details or delete task
- Can undo delete of task

The image displays three screenshots of a mobile application interface, likely for managing academic tasks.

**Screenshot 1: Edit Task Modal**

This screenshot shows the "Edit Task" modal. The top bar includes "Cancel", "Edit Task", and "Save". The form fields are:

- Course:** PHYSICS 110
- Title:** Problem Set 1
- Notes:** Collaborate but write solutions individually
- Due Date:** Fri, Sep 27

A red "Delete Task" button is at the bottom.

**Screenshot 2: Task List - Friday, October 4**

This screenshot shows the main task list for Friday, October 4. It lists a task titled "Problem-Set-2" with the note "Collaborate but write solutions individually" and a timestamp of "11:59 PM".

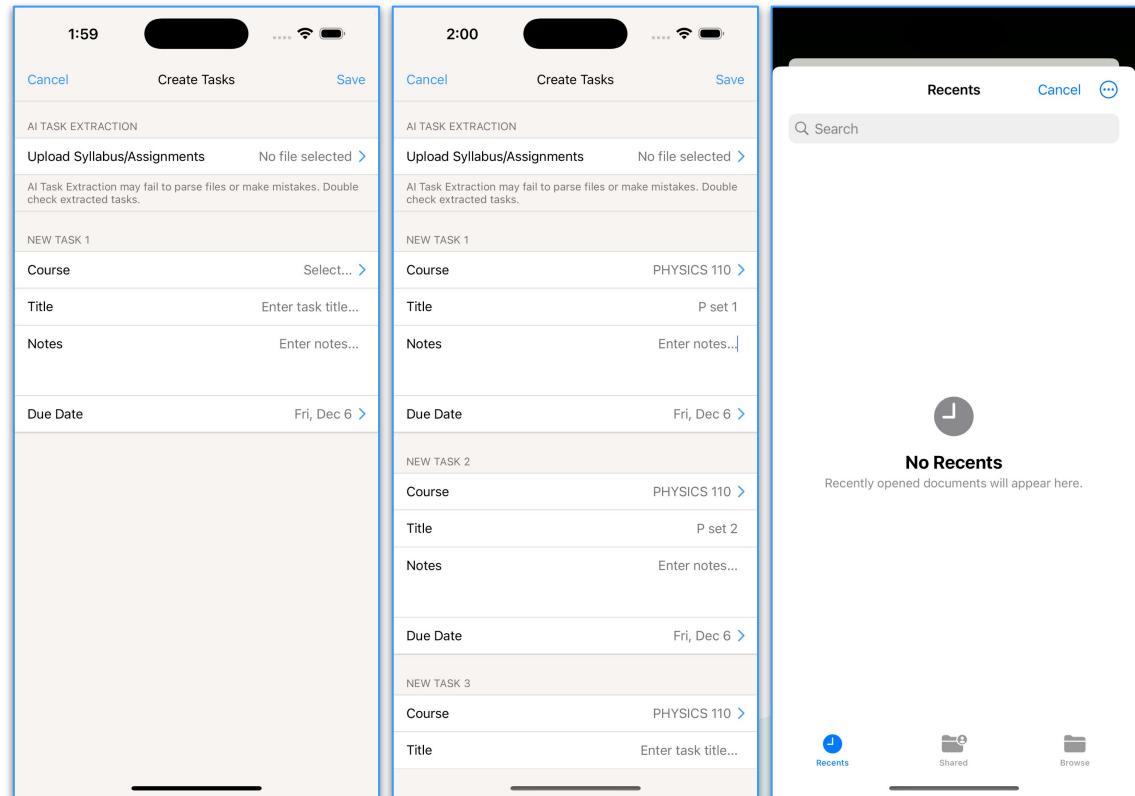
**Screenshot 3: Task List - Friday, November 1**

This screenshot shows the main task list for Friday, November 1. It lists a task titled "Midterm-Exam" with the note "No collaboration allowed, exam due 24 hours after download" and a timestamp of "11:59 PM".

# Implemented Features

## Moderate Task Cont. : Upload files for AI synthesis

- Create tasks page
- Upload files to AI
- Edit tasks generated by AI



# AI Task Extractor Details

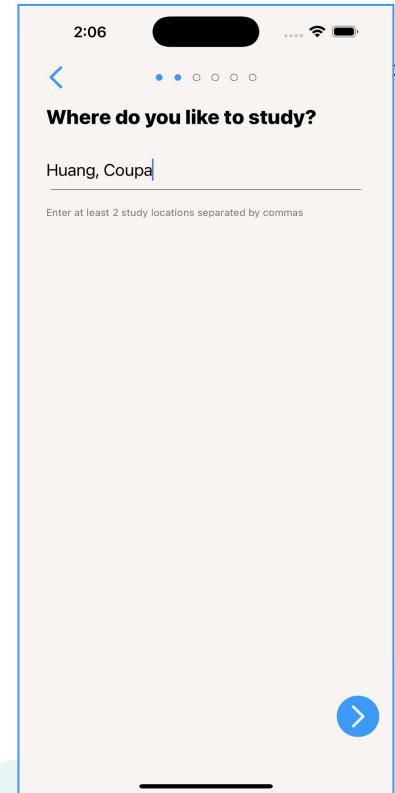
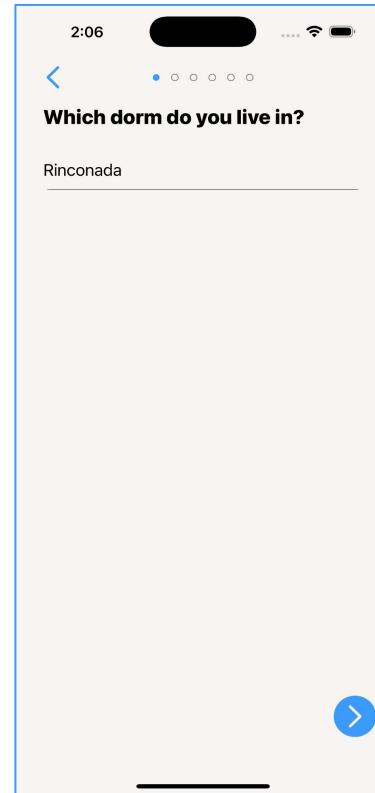
Model: Chat GPT 4o. Prompt:

```
export const EXTRACT_TASKS_PROMPT =`You are a helpful and wise mentor of undergraduate students.  
Your job is to help students break down their courses into the individual tasks and assignments you have to do.  
  
Information: The current academic quarter is Fall 2024.  
Week 1 of the quarter begins on Monday September 23. Week 9 of the quarter ends on Friday November 22.  
Thanksgiving break is the week November 25-29th.  
Week 10 of the quarter resumes on Monday December 2.  
Finals week begins on Monday December 9th.  
The quarter is over on Friday 13th.  
  
Input: You will receive the syllabus for a class in pdf format.  
The syllabus contains information on where the class is, grading details, etc, but most importantly an overview of the assignments for that class.  
  
Output: your job is to understand what the assignments of the class are from the syllabus and when they are due using inference from the syllabus.  
You then will output a list of tasks (assignments) separated by commas in the following task format.  
  
Task format: tasks should be written in valid JSON format with fields for title: string, due date: string, and notes: string.  
These assignments will later be broken into more manageable steps so for now just have one task for every assignment.  
Every assignment must have its own task.  
If there are weekly recurring assignments, extrapolate their dates out writing a task for each of them and number them by their week.  
  
IMPORTANT: Each task must have a "title", "dueDate", and "notes" field.  
Dates should be in the format HH:MM AM/PM MM/DD/YY, like 11:59 PM 11/22/24.  
  
Here are example tasks:  
{"title": "Problem set 3", "dueDate": "11:59 PM 11/22/24", "notes": "no extra notes"},  
{"title": "Final Project Proposal", "dueDate": "4:00 PM 11/15/24", "notes": "only one team member submits"},  
`;
```

# Implemented Features

## Complex Task: Match with study partners

- Create study profile
- Input dorm
- Input study spaces



# Implemented Features

## Complex Task Cont. : Match with study partners

- Create study profile
- Input study habits
- Input schedule
- Course specific study info

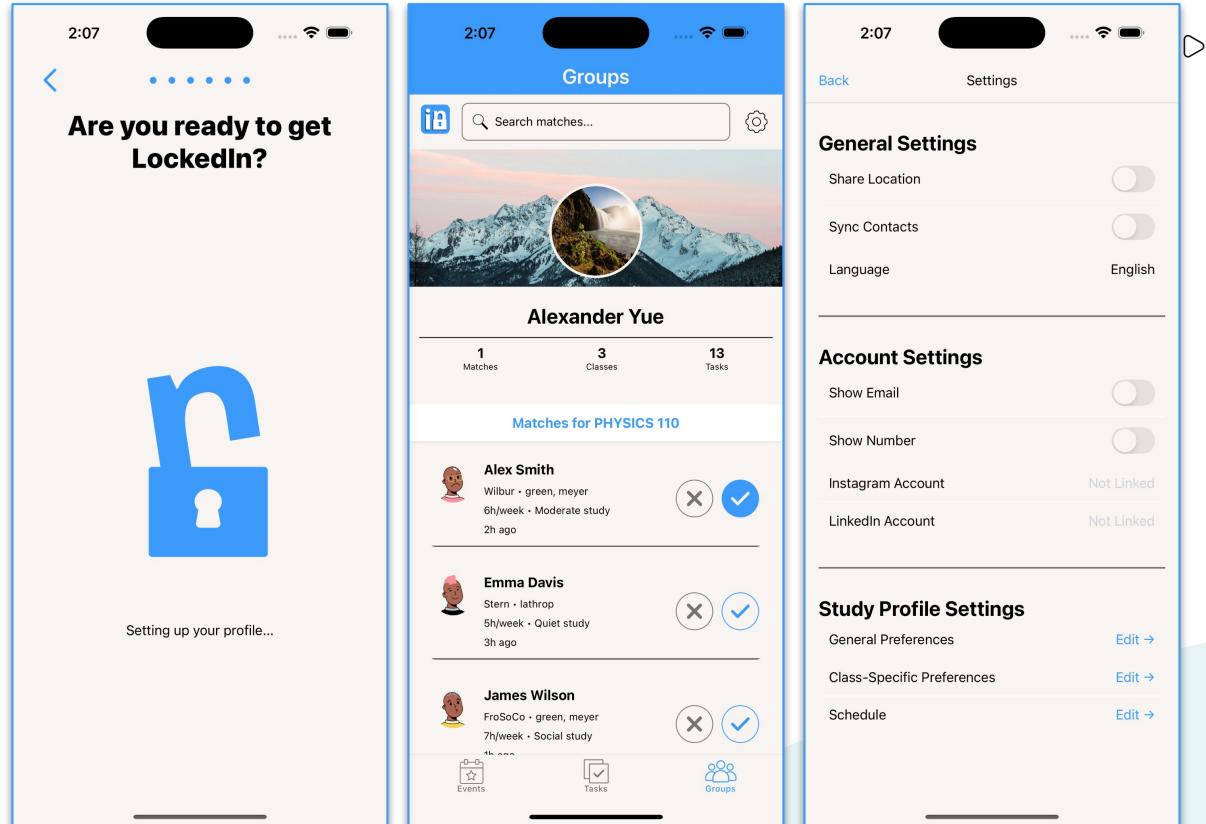
The image displays three mobile phone screens side-by-side, each showing a different feature for matching study partners. The phones have a light blue background and a white header bar with a back arrow and signal strength.

- General Study Habits:** A series of questions with sliding scales from "Not Effective" to "Very Effective".
  - Do you feel more alert in the morning or in the evening? (Sliding scale from "Morning" to "Night Owl", currently at "Night Owl").
  - Are you usually early, on-time, or late to meetings? (Sliding scale from "Late" to "On Time", currently at "On Time").
  - Rate how effective each learning method is for you:
    - Reading the textbook: Not Effective, Somewhat Effective, Very Effective (Somewhat Effective is selected).
    - Attending lectures: Not Effective, Somewhat Effective, Very Effective (Somewhat Effective is selected).
    - Watching recorded lectures: Not Effective, Somewhat Effective, Very Effective (Very Effective is selected).
    - Doing practice / homework problems: Not Effective, Somewhat Effective, Very Effective (Very Effective is selected).
    - Attending office hours: Not Effective, Somewhat Effective, Very Effective (Somewhat Effective is selected).
    - Discussing with students: Not Effective, Somewhat Effective, Very Effective (Very Effective is selected).
    - Writing essays: Not Effective, Somewhat Effective, Very Effective (Somewhat Effective is selected).
- Study Free Time:** A weekly grid calendar from Sunday to Saturday, 8 AM to 8 PM. Blue bars indicate free time slots. A note at the bottom says "Select the hours you're typically free to study".
- Course Study Habits:** A section for course-specific information.
  - Course selection: PHYSICS 110, CS 147, CS 147L, + (PHYSICS 110 is selected).
  - Hours per week: How many hours per week do you plan to work on this class? (Sliding scale from 0 to 15, currently at 11).
  - Deadline preparation: How many days before a deadline do you start your assignments? (Sliding scale from 0 to 7, currently at 3).
  - Noise level: What is your preferred noise level when studying for this class? (Sliding scale from "Silent" to "Quiet Talking", currently at "Quiet Talking").
  - Grade goals: What grade do you want to achieve in this class? (Dropdown menu showing "A").
  - Current expectations: What grade do you currently expect to receive in this class? (Dropdown menu showing "A-").

# Implemented Features

## Complex Task Cont. : Match with study partners

- Finalize profile
- See matches
- Edit profile
- Change account settings



# Unimplemented Features + Future Work

## Moderate Task

Upload class syllabi and assignments to get AI powered study plans

## Complex Task

Create a study profile and get matched with recurring partners/study groups

**Future work:** We have a Miro board for task delegation and as a plan for finishing

- Pages
  - Tasks page
  - Groups page
  - Settings page
- Backend Functionality
  - Error messages with toasts
  - Demo profiles to match with
  - Task submitting
- Design
  - Create new survey based on insights from expert Sociology interview
  - Design an interesting + novel AI system for matching and task generation

# Wizard-of-Oz Features (planned)

***What features were simulated?***

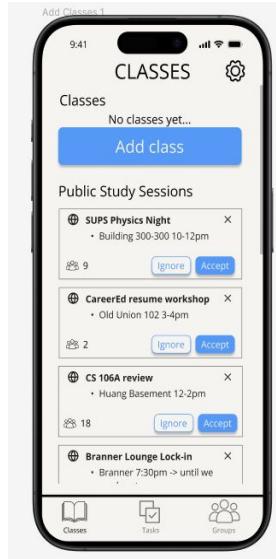


***AI Matching***



[AI matching system assumed to be implemented and capable of matching]

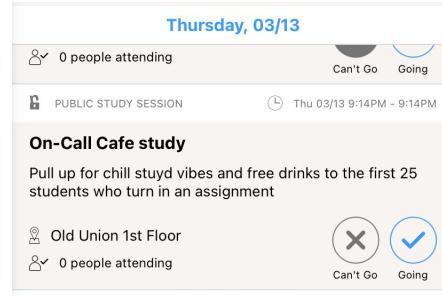
***Home Feed***



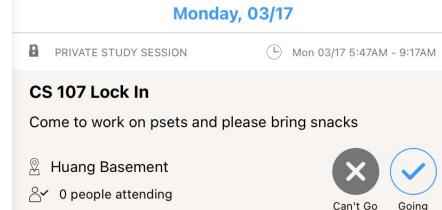
[Feed system assumed to be working and collecting information from other users]

# Hard-Coded Features (Hi-fi so far)

## *What features did we pre-set?*



- Study sessions in the events feed are not real events, but hard coded by the developers are examples



**Study Sessions**

05

---

# DEMO VIDEO



5:20



1:23



Downloading 96.06%

**06**

---

# **PUBLICATION**





## iOS App

1.0 Waiting for Review

Save

Add Platform

*(i)* You can edit some information while your version is waiting for review. To submit a new build, you must [remove this version from review](#).

## General

App Information

App Review

History

## App Store

TRUST &amp; SAFETY

App Privacy

Ratings and Reviews

## GROWTH &amp; MARKETING

In-App Events

Custom Product Pages

Product Page Optimization

Promo Codes

Game Center

## MONETIZATION

Pricing and Availability

In-App Purchases

Subscriptions

## iOS App Version 1.0



You can edit some information while your version is waiting for review. To submit a new build, you must [remove this version from review](#).

English (U.S.)



## Previews and Screenshots

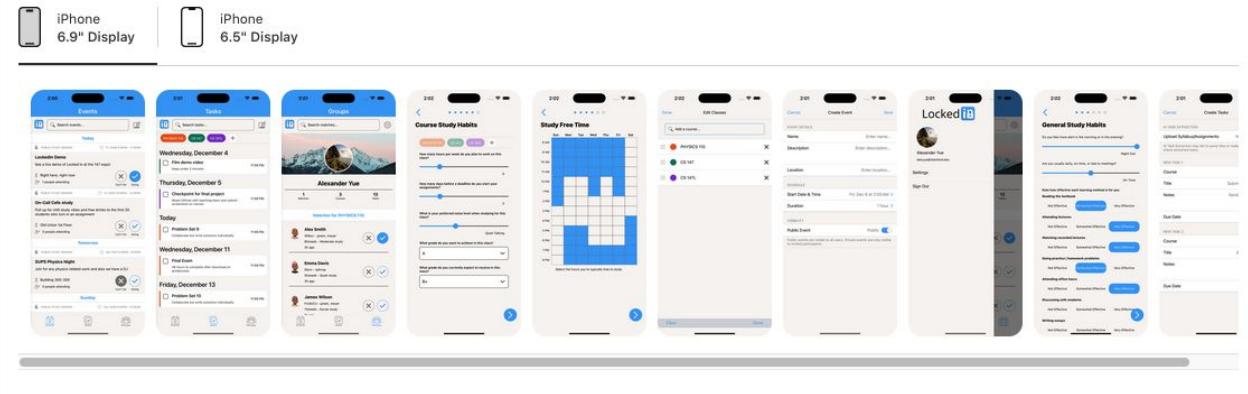


Adding accurate screenshots of your app on the newest devices can help you represent the app's user experience. Keep in mind that we'll use these screenshots for all display sizes and localizations. Screenshots are only required for iOS apps, and only the first 3 will be used on the app installation sheets.

iPhone

iPad

View All Sizes in Media Manager



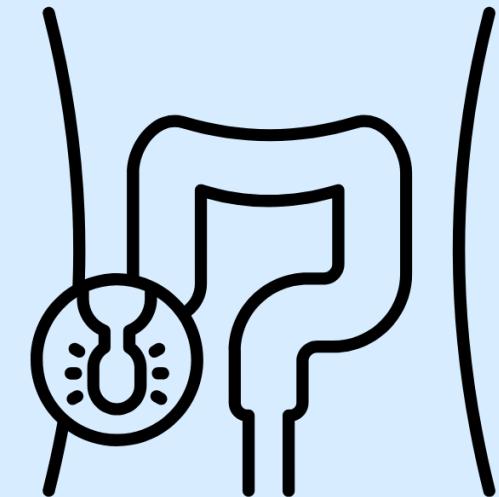
## Promotional Text



07

---

APPENDIX



# **LINKS (for internal use)**

TODO tasks here: <https://miro.com/app/board/uXjVLVtCV8o=/>

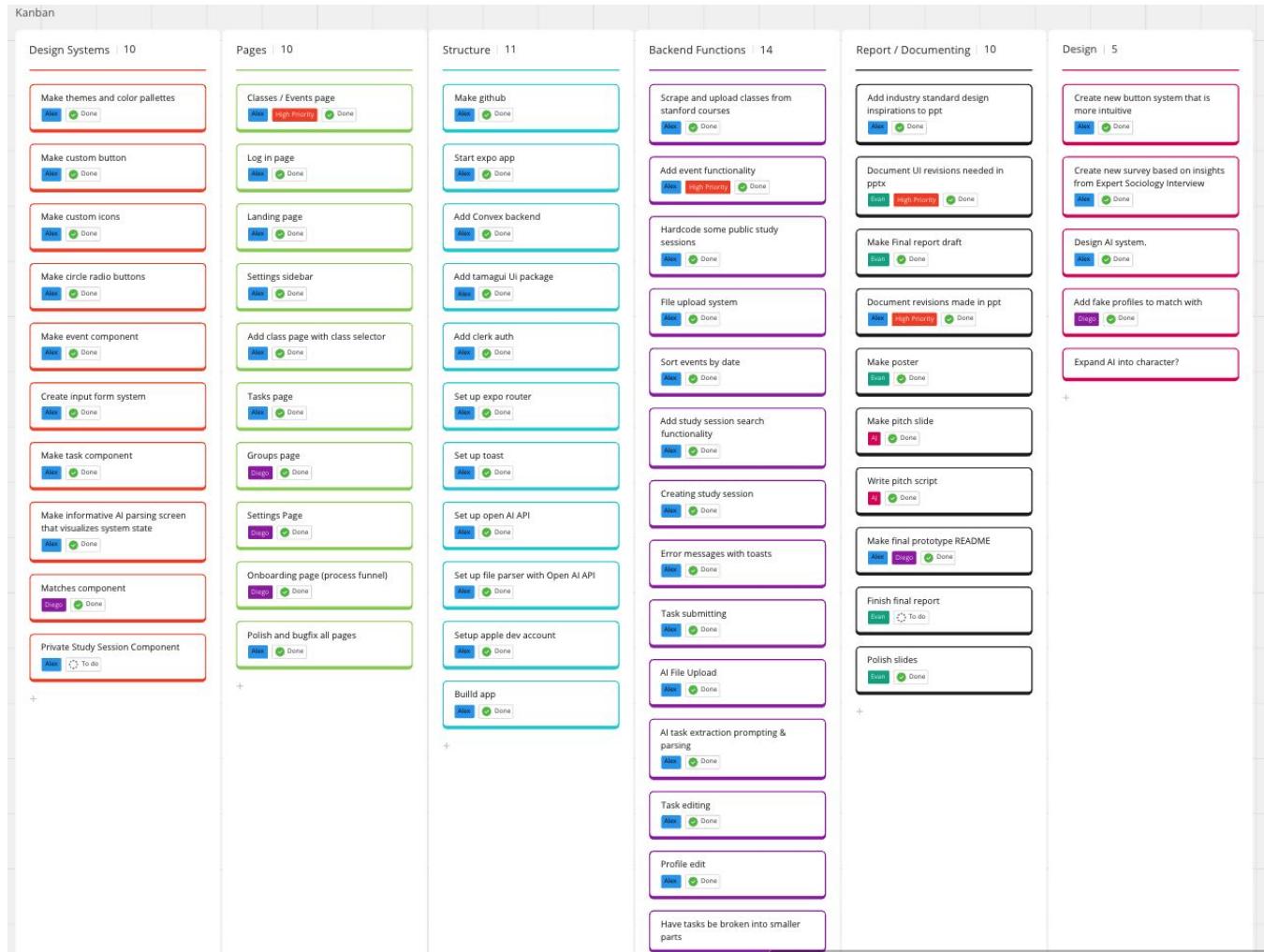
GITHUB here: <https://github.com/Alezander9/Locked-In-App>

Figma here:

<https://www.figma.com/proto/OCFo0SgSrsXFMrZrXMB7Am/LockedIn-Med-Fi-Prototype?node-id=0-1&t=8s75gByDfe2TJ0c0-1>



HiFi Task Management Miro



# Research on Collaboration



Oyarzun, B., & Martin, F. (2023). *A systematic review of research on online learner collaboration from 2012-21*. Online Learning Journal, 27(3), 45-72.  
<https://olj.onlinelearningconsortium.org/index.php/olj/article/view/3407>



Loes, C. N. (2022). *The effect of collaborative learning on academic motivation*. Teaching & Learning Inquiry, 10(1), 37-52.  
<https://journalhosting.ucalgary.ca/index.php/TLI/article/view/71910>



Interview with Professor Granovetter, sociology professor at Stanford with nearly 200,000 citations

# Key Takeaways



Systematic meta-analysis that shows correlation between collaborative activities and student motivation, engagement, and achievement in controlled online learning environments.



Uses data from 17 US undergraduate schools to show significant correlation between collaboration and academic motivation.

Hypothesizes that presence of **social factors** in education **reframes** student's mindset **to take more active role in learning**



Ideas about what survey questions to ask and how to match students.

- Will be unpacked in full presentation on Monday

# Insights from Interview with Sociology Prof Granovetter

- Q: In general is it better to match similar people or complementary people?  
A: Note that students self-select themselves into classes and majors, in any class range of differences between students is not so great. In **humanities classes** complementary personalities is more important, as creativity comes from differences
- Q: Based on sociology research, what factors should we consider when matching?  
A: Matching people is a complicated thing, there isn't a proven science on it. But what studies have shown repeatedly, is that the most consistent indicator of friendship is actually just **physical proximity**. The more likely you are to run into someone, the better a chance at building a friendship.
- Q: If we collect information that shows a particular student is at a disadvantaged background, how should we factor that into matching?  
A: A lot of times, organizations grouped the disadvantaged students together, like the FLI events at Stanford. But research shows this is actually the opposite of what they should do. Sprinkling the disadvantaged students into the other groups will allow them to connect with resources they would otherwise not have access to. **But I would recommend not asking about things like FLI status** and background as it opens up some tough questions about ethics and is not obviously necessary.

Overall recommendations: focus on matching based on logistical factors: **physical proximity, punctuality, detail-orientedness, and schedule.**



# Survey questions

## Schedule(required):

Study free times: (import GCal or do this when2meet clone, make sure can edit later)

## Study Locations:

What dorm do you live in?

Where do you usually study? [Select multiple]

## Questions

Do you feel more alert in the morning or in the evening?

How many hours per week do you plan to work on this class?

In general, how many days before a deadline do you start weekly assignments?

Are you usually early, on-time, or late to meetings?

What grade do you want to achieve in this class?

What grade do you currently expect to receive in this class?

Rate the following learning mediums on how effective they are for you:

- Reading the textbook,
- attending lectures,
- watching recorded lectures,
- doing practice / homework problems,
- attending office hours,
- discussing with students,
- writing essays,
- talking to a LLM,
- creating notes flashcards/ study guides,
- reading other people's notes/flashcards/study guides
- teaching other students,
- doing an independent project



# INDUSTRY UI INSPIRATIONS

---

We received feedback that we should look carefully at **existing apps** and match our UI to **industry standard** design patterns.

We compiled the following inspirational designs to reference in our development

3:17

Received Sent

All (45) Pages (1) People (44)

Zach Andersen  
Founder and CEO of RentX Technologies, Founder of Data...  
49 mutual connections Today

Emily Tran ✅  
Student at Stanford University  
112 mutual connections Yesterday

Jack Lau  
Founder @ SpeechStream  
118 mutual connections Yesterday

Yifan Zhou ✅  
CS @ UCLA | Atlas Fellow  
104 mutual connections 5 days ago

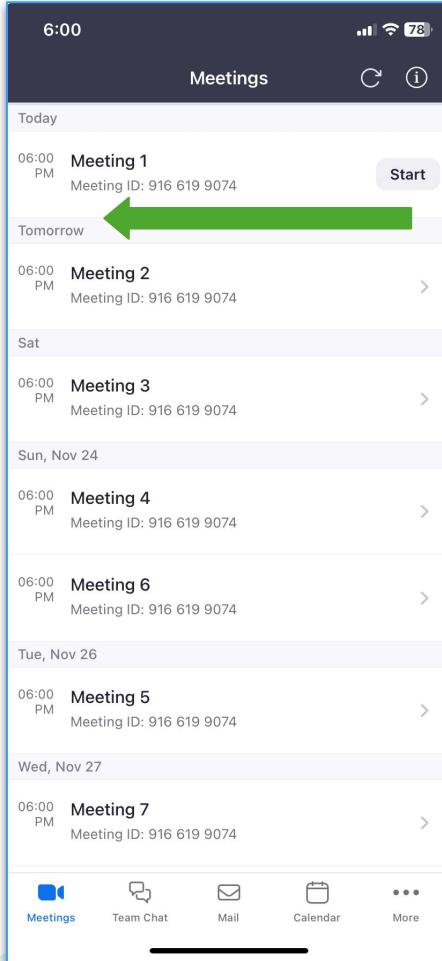
Aamin M. Kheir ✅  
CS/Econ at Stanford  
240 mutual connections 6 days ago

Philip Nguyen ✅  
BBA @ Mannheim | Founder's Associate | AI Enthusiast 🤖 | I...  
21 mutual connections 1 week ago

Caleb Nangle ✅  
Mechanical Engineering @ Stanford  
247 mutual connections 1 week ago

# LinkedIn Matches

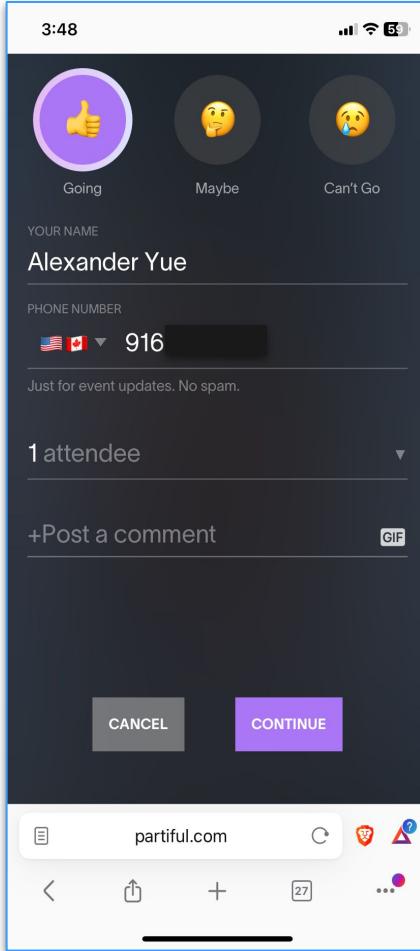
Insight: A simple x and check are enough to convey adding / not adding as a connection



# Zoom Upcoming Meetings

Insight: separate events by with horizontal splitting bar with timing information. Place a thin separator at the bottom of events and make the content full width





# Partiful Radio RSVP Buttons

Insight: adding text below each button makes it extra clear what each icon does





# Zoom Schedule Meeting



3:05      85%

[Cancel](#)    [Schedule meeting](#)    [Save](#)

Alexander Yue's Zoom Meeting

Starts Today at 4:00 PM >

Duration 1 hour >

Time zone Pacific Time (US and Canada) >

Repeat Never >

Attendees None >

**Use personal meeting ID**  916 619 9074  
If this option is enabled, any meeting options that you change here will be applied to all meetings that use your personal meeting ID

**SECURITY**

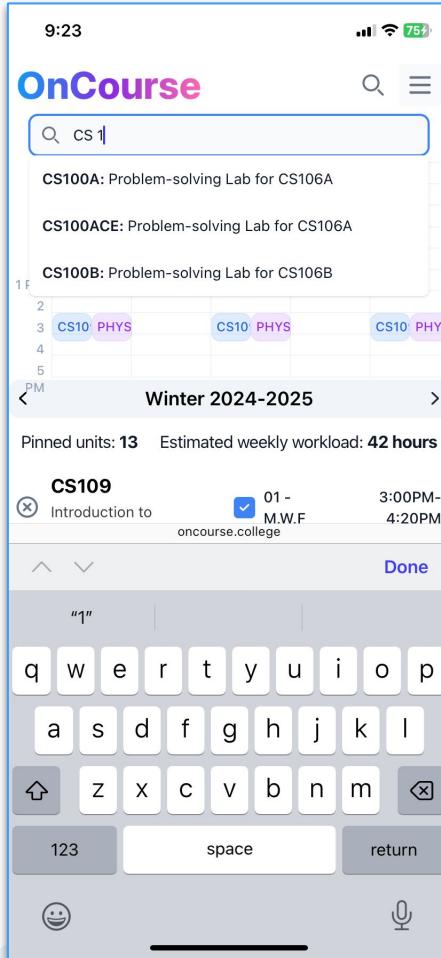
**Require meeting passcode**   
Only users who have the invite link or passc...

**Enable waiting room**   
Only users admitted by the host can join th...

**Only allow authenticated users**

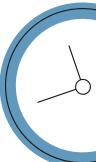
MEETING OPTIONS



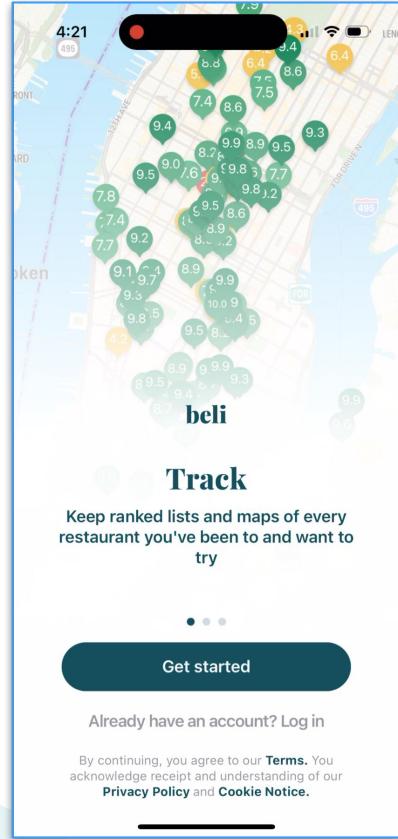


# OnCourse Class Selector

Insight: A search bar with autocomplete based on course code is an effective and intuitive way to select a class



# Beli Onboarding



5:29

Sustainability Circular Economy | SAP Responsible Design and Production

4 key strategies to manage Extended Producer Responsibility regulations and plastic taxes

Unlock Full Document

3

Like Comment Share

Suggested

Timo Harboe Zollner · 2nd  
I automate Geometry, Data & Analysis 🎓  
3d · Edited · ①

Can you answer it? Is the answer obvious?

Home Video My Network Notifications

3:06

Alexander Yue

Physics & CS @ Stanford SLAC | Founder of Stanfood.live

Stanford, California, United States

Stanford University

1,460 profile viewers

3,090 post impressions

Manage pages

Stanfood

foodgroup

Saved posts

Groups

Puzzle games

Reactivate Premium

Settings

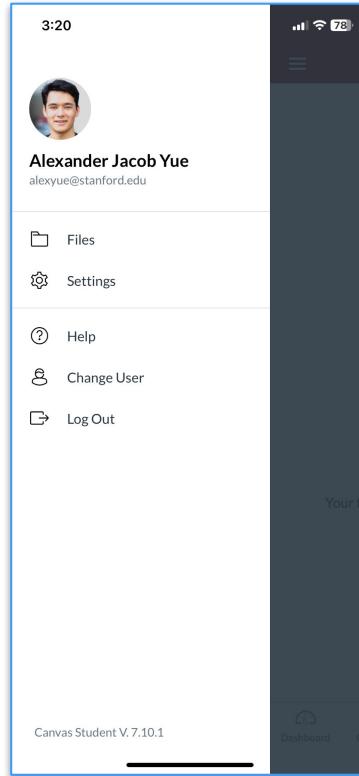
Home

# LinkedIn Profile Sidebar

Insight: A profile icon can serve as the opening point for infrequent tasks and the settings page



# Canvas Settings Page



3:16

90%

?

## Settings

- Account preferences
- Sign in & security
- Visibility
- Data privacy
- Advertising data
- Notifications

---

Help Center

Professional Community Policies

Privacy Policy

Your California privacy choices

Accessibility

Recommendation Transparency

User Agreement

End User License Agreement

Sign Out

VERSION: 9.30.3960

Home Video My Network Notifications Jobs

3:16

90%

?

- Data privacy
- Advertising data
- Notifications

---

Help Center

Professional Community Policies

Privacy Policy

Your California privacy choices

Accessibility

Recommendation Transparency

User Agreement

End User License Agreement

Sign Out

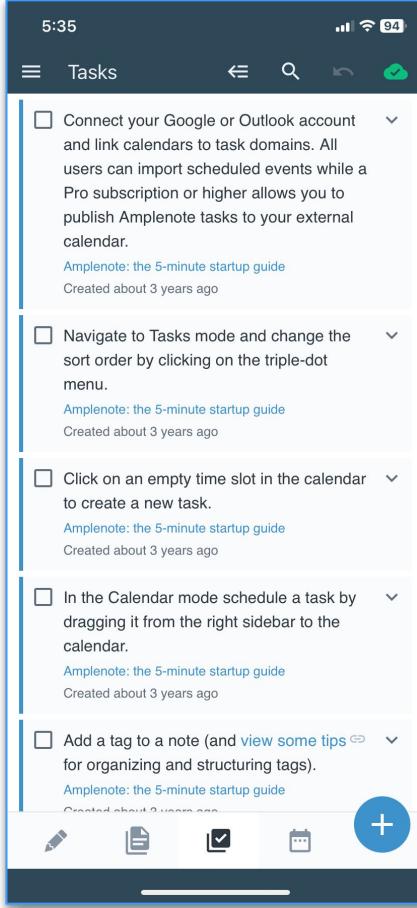
VERSION: 9.30.3960

Home Video My Network Notifications Jobs

# LinkedIn Settings

Insight: A scrollview of text-based settings works well. Sign out button does not need to look like the sign in button





# Amplenote Tasks

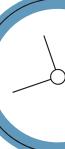
Insight: color bar can indicate different kinds of tasks. Tasks should have title and description, with expand/collapse capabilities



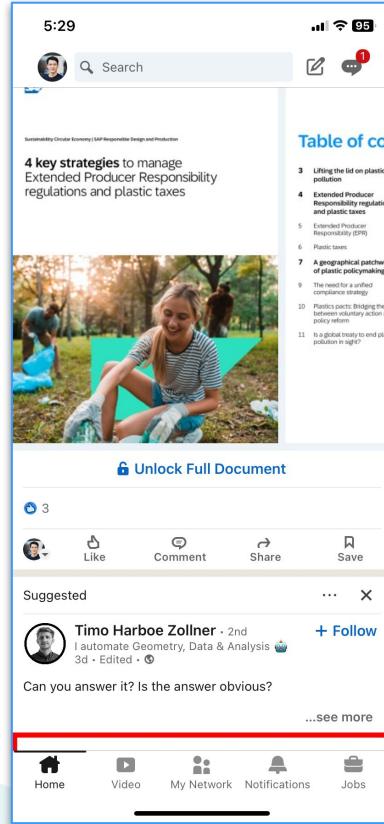


# Marriage Pact Survey

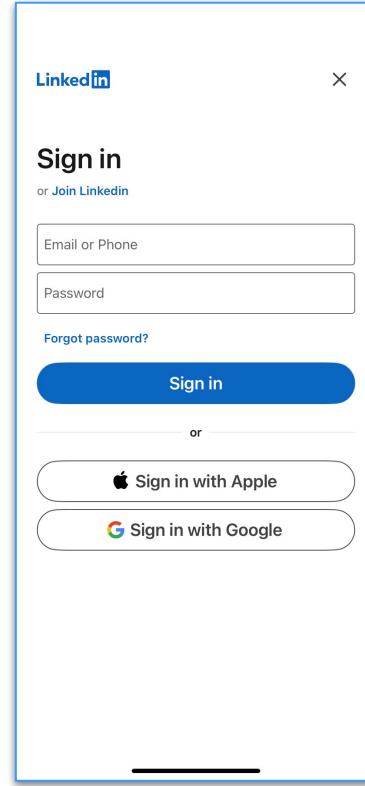
Insight: Showing a single question at a time and scrolling through them creates an engaging experience



# LinkedIn Feed & Navbar



# LinkedIn Sign-In



The image shows a screenshot of the LinkedIn sign-in page. At the top left is the LinkedIn logo, and at the top right is a close button (X). Below the logo, the word "Sign in" is prominently displayed in bold black text, with "or [Join LinkedIn](#)" in smaller blue text underneath. There are two input fields: "Email or Phone" and "Password". Below these fields is a "Forgot password?" link. A large blue "Sign in" button is centered below the password field. Below the button is a horizontal line with the word "or" in the center. There are two additional sign-in options: "Sign in with Apple" (with the Apple logo) and "Sign in with Google" (with the Google logo).

LinkedIn

Sign in  
or [Join LinkedIn](#)

Email or Phone

Password

Forgot password?

Sign in

or

Sign in with Apple

Sign in with Google

# Canvas tasks list

Stanford University  
Account

Dashboard Courses Calendar Inbox History Help

## Dashboard

Today November 19

CULTURE, EVOLUTION, AND SOCIETY	<input type="checkbox"/>	CULTURE, EVOLUTION, AND SOCIETY ANNOUNCEMENT Writing Assignment II Peer Review Logistics	12:41 PM
GENETICS, MOLECULAR BIOLOGY AND EVOLUTION		> Show 1 completed item	Submitted
WRITING & RHETORIC 2: THE RHETORIC OF ART AND COMMERCE	<input type="checkbox"/>	WRITING & RHETORIC 2: THE RHETORIC OF ART AND COMMERCE ASSIGNMENT PRESENTATIONS Day One	20 PTS DUE: 1:15 PM

Tomorrow, November 20

Nothing Planned Yet

Thursday, November 21

WRITING & RHETORIC 2: THE RHETORIC OF ART AND COMMERCE	<input type="checkbox"/>	WRITING & RHETORIC 2: THE RHETORIC OF ART AND COMMERCE ASSIGNMENT PRESENTATIONS Day Two	20 PTS DUE: 1:15 PM
--	--------------------------	--	------------------------

November 22 to November 24

Today + View All Courses

NEW ACTIVITY ↑