



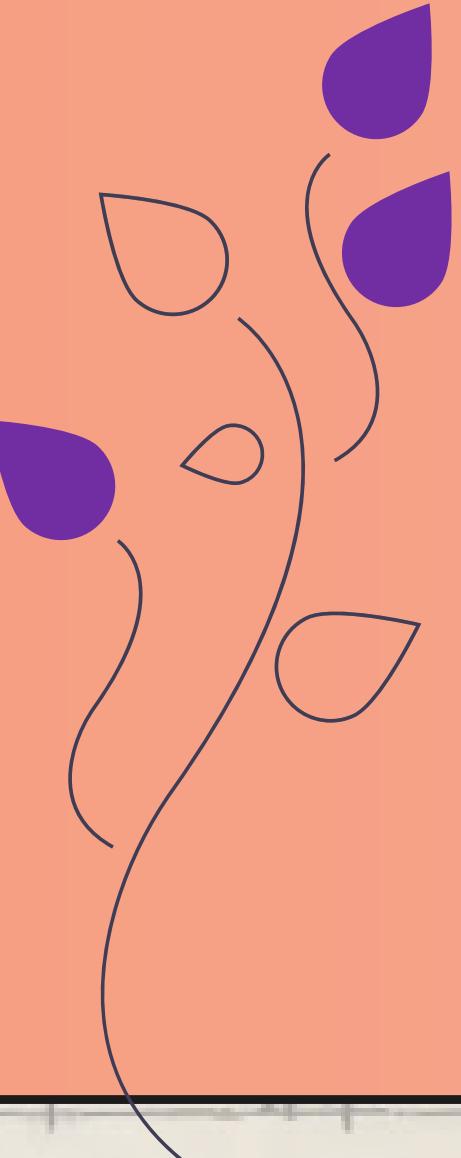
Allegro

The ultimate practice companion for student musicians

Karla Santamaria

Nállely Martínez Almonte

Beth Callen



Allegro

The ultimate practice companion for student musicians



Agenda



Overview



Define



Ideate



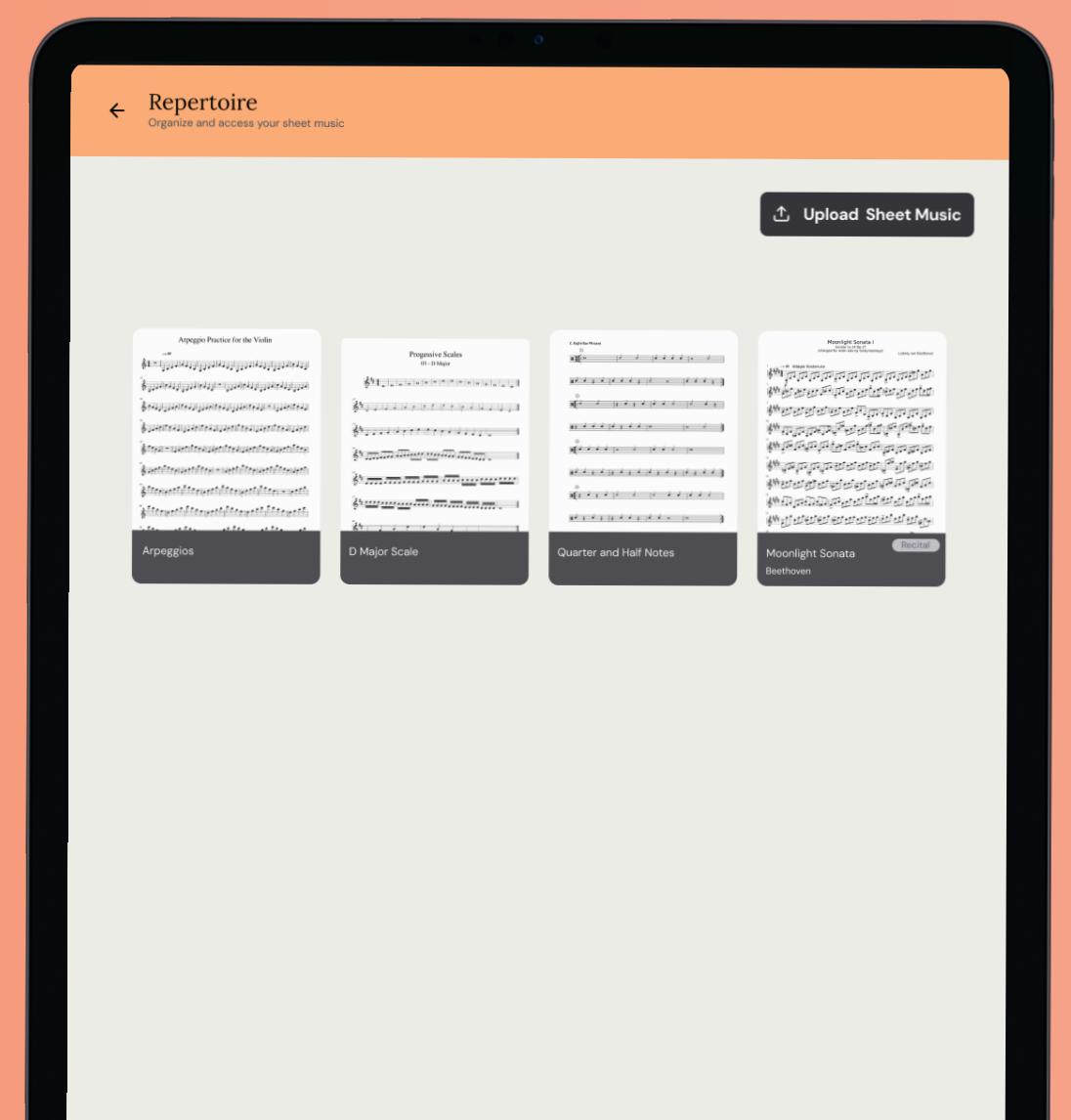
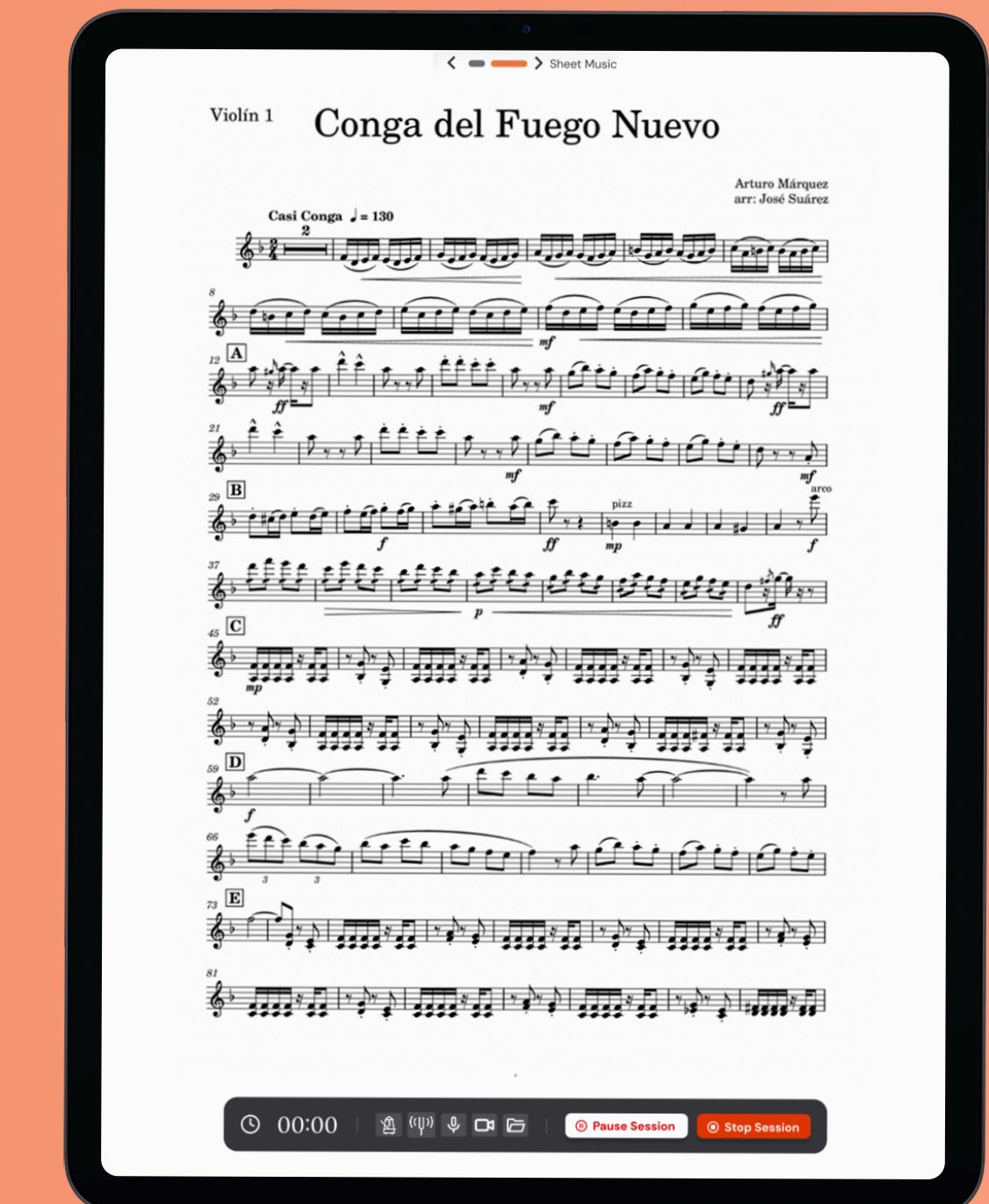
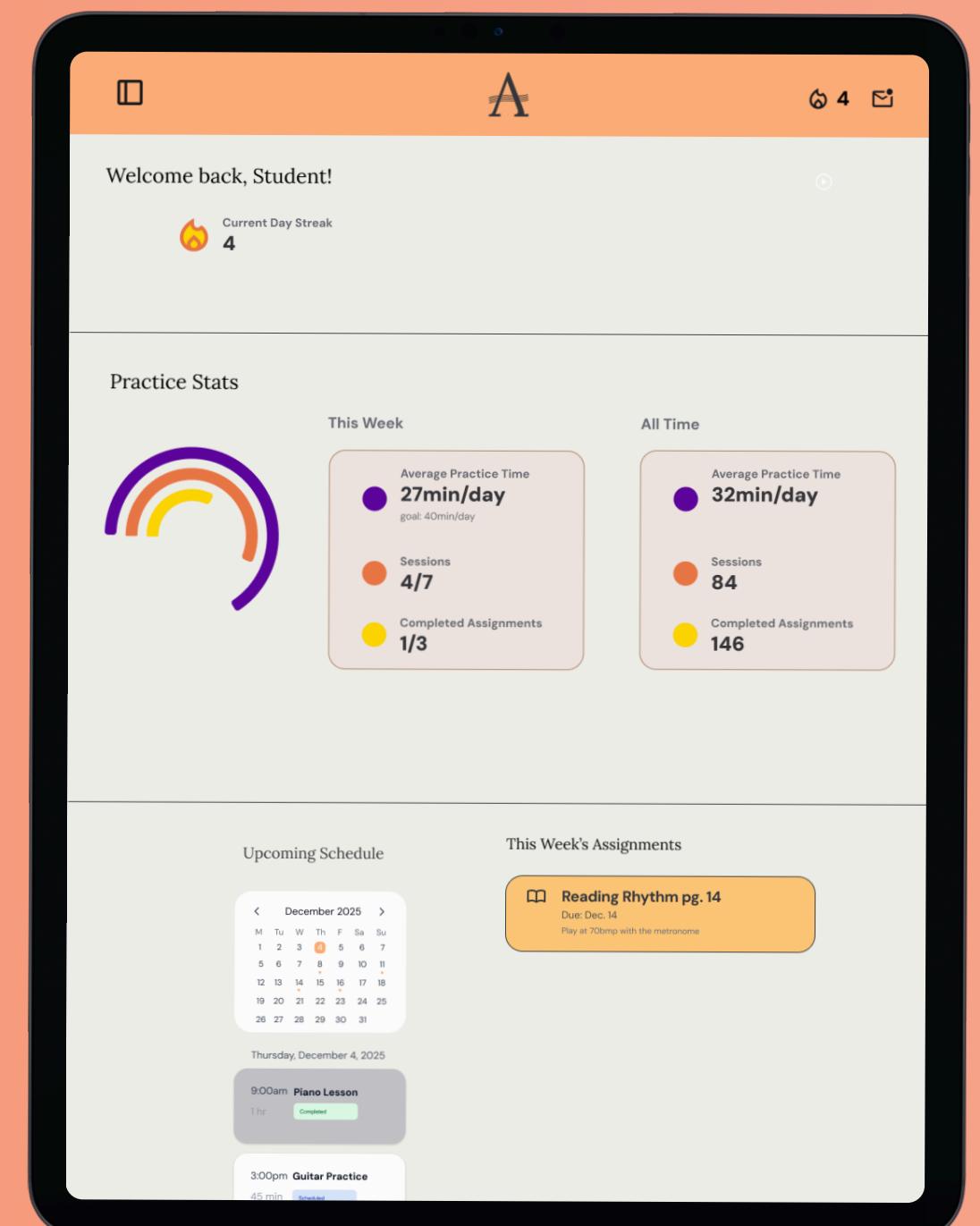
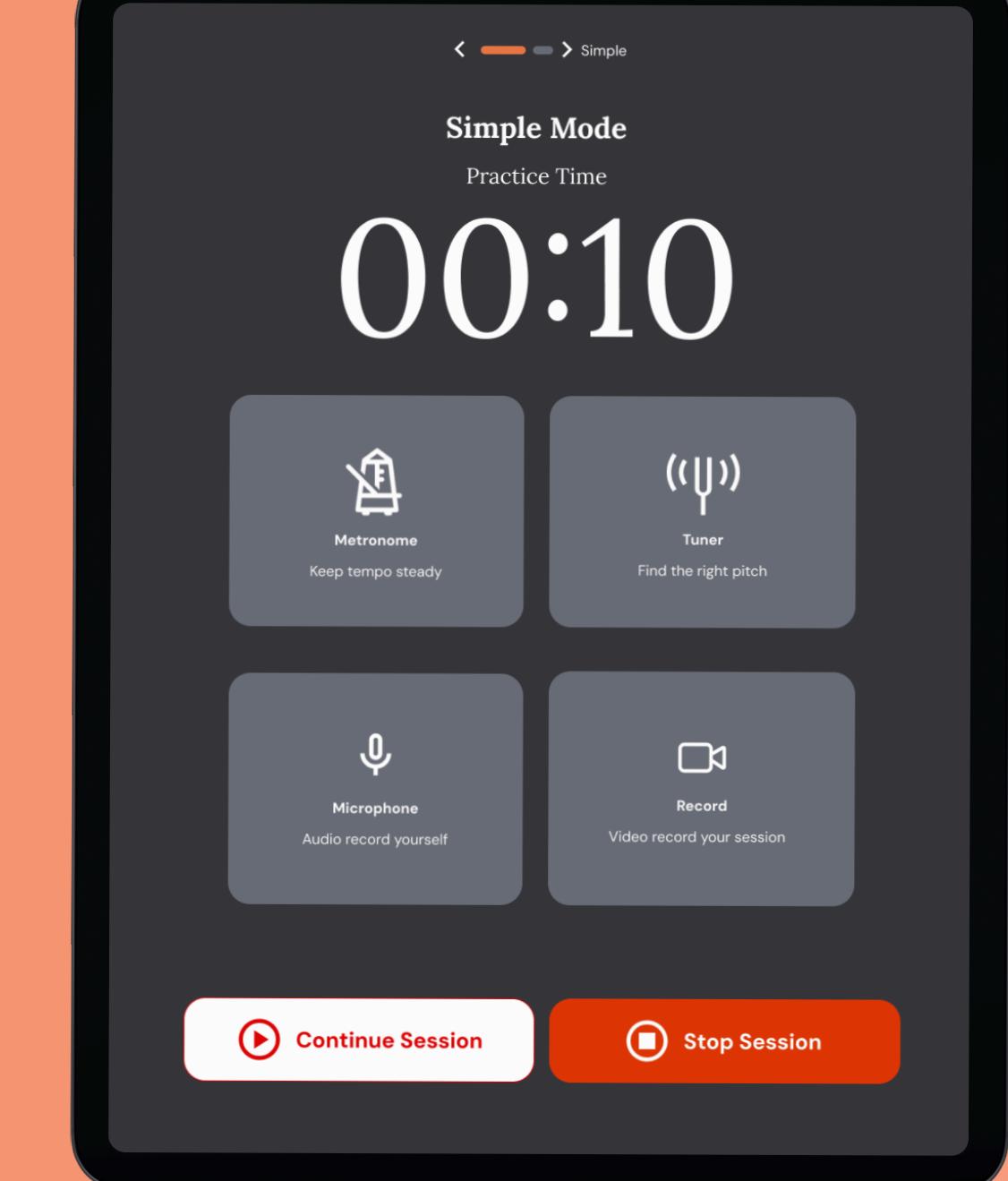
Prototype



Testing



Designs



Meet the Team: Ensemble Design ✨



Karla Santamaria

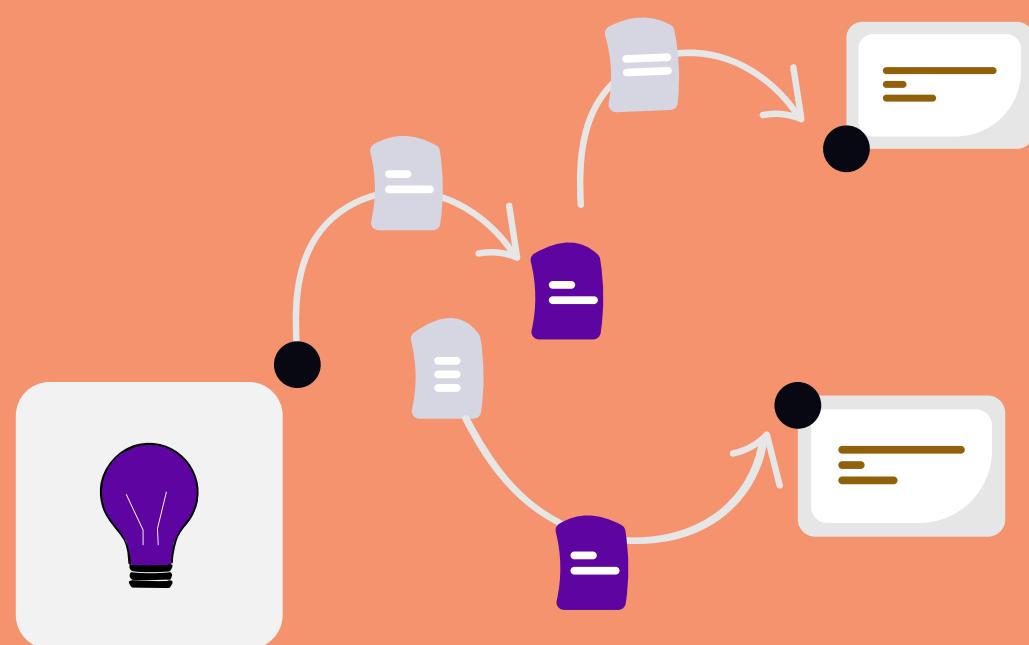


Nállely Martínez Almonte



Beth Callen

Overview



The issue?

As a music student, learning and practicing tools are scattered across different apps or physical materials.



The issue?

As a music student, learning and practicing tools are scattered across different apps or physical materials.

- **Staying organized with their sheet music**



The issue?

As a music student, learning and practicing tools are scattered across different apps or physical materials.

- **Staying organized with their sheet music**
- **Tracking their progress and practice habits**



The issue?

As a music student, learning and practicing tools are scattered across different apps or physical materials.

- **Staying organized with their sheet music**
- **Tracking their progress and practice habits**
- **Accessing tools quickly during practice**



The issue?

As a music student, learning and practicing tools are scattered across different apps or physical materials.

- **Staying organized with their sheet music**
- **Tracking their progress and practice habits**
- **Accessing tools quickly during practice**
- **Staying motivated or consistent over time**



The issue?

Everything is scattered across different apps or physical materials

This leads to inefficient practice sessions and slower improvement.



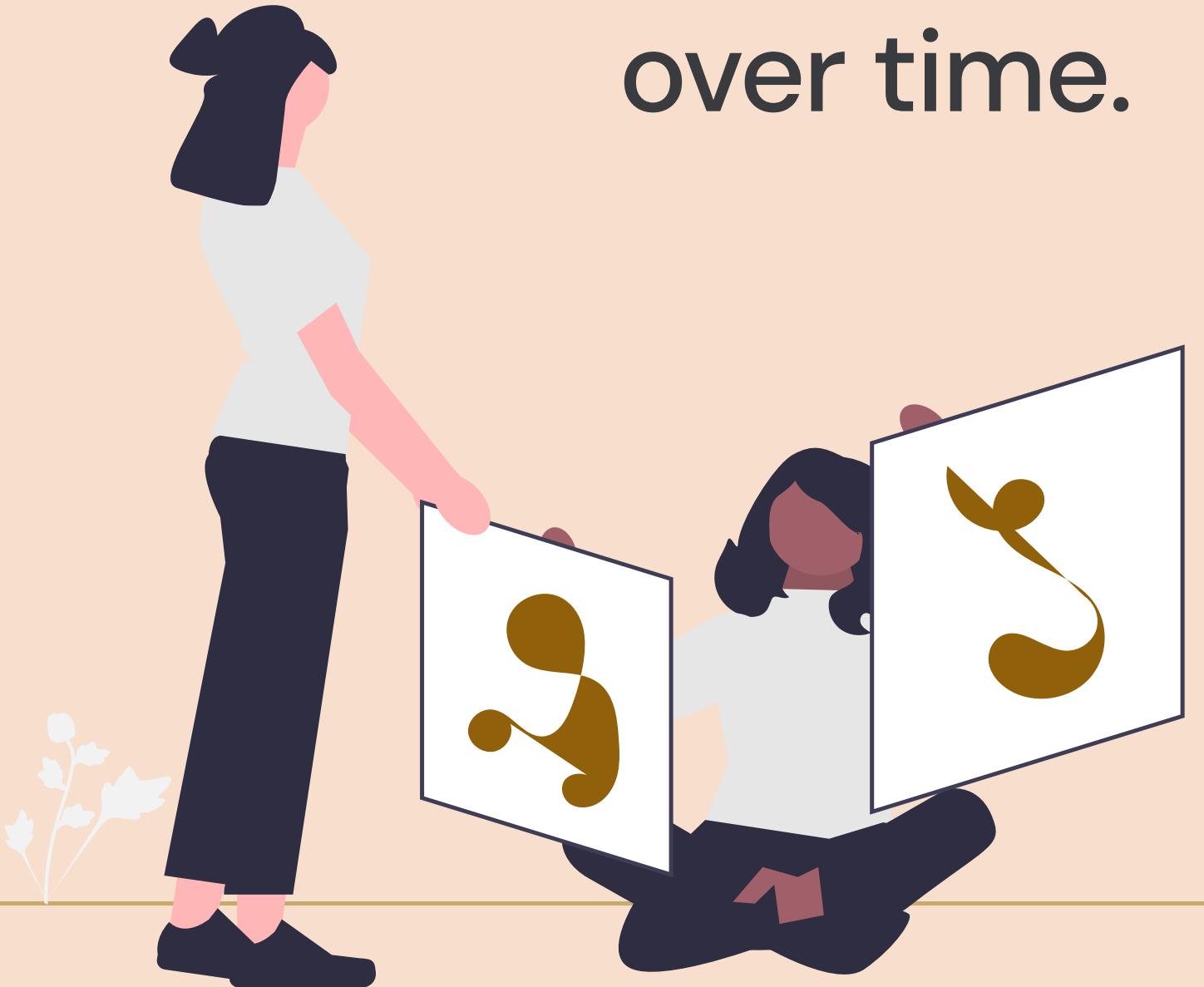
Defining the Problem



Defining the Problem

Music students lack a centralized place to organize their sheet music, tools, and assignments.

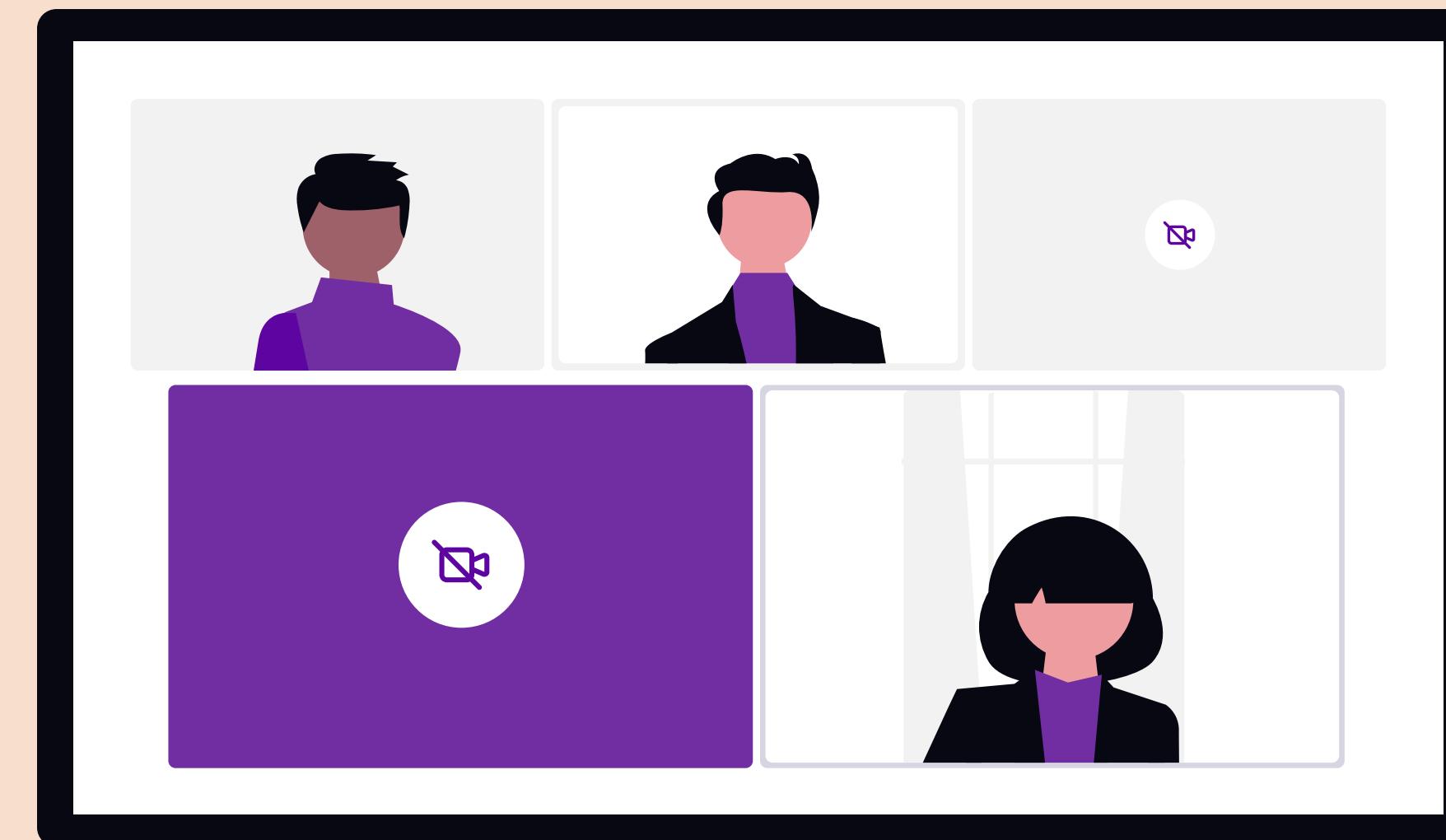
As a result, practice sessions become scattered and inefficient, making it harder for students to stay focused, build consistency, and track their progress over time.



So, we ask ourselves...

“How might we create a system
that helps students stay
organized and focused during
practice?

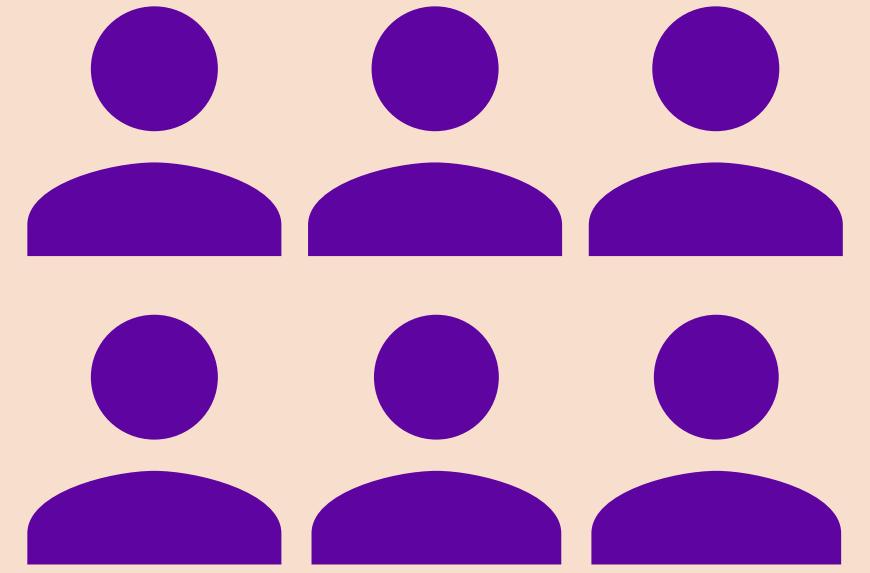
Going straight to the source . . .



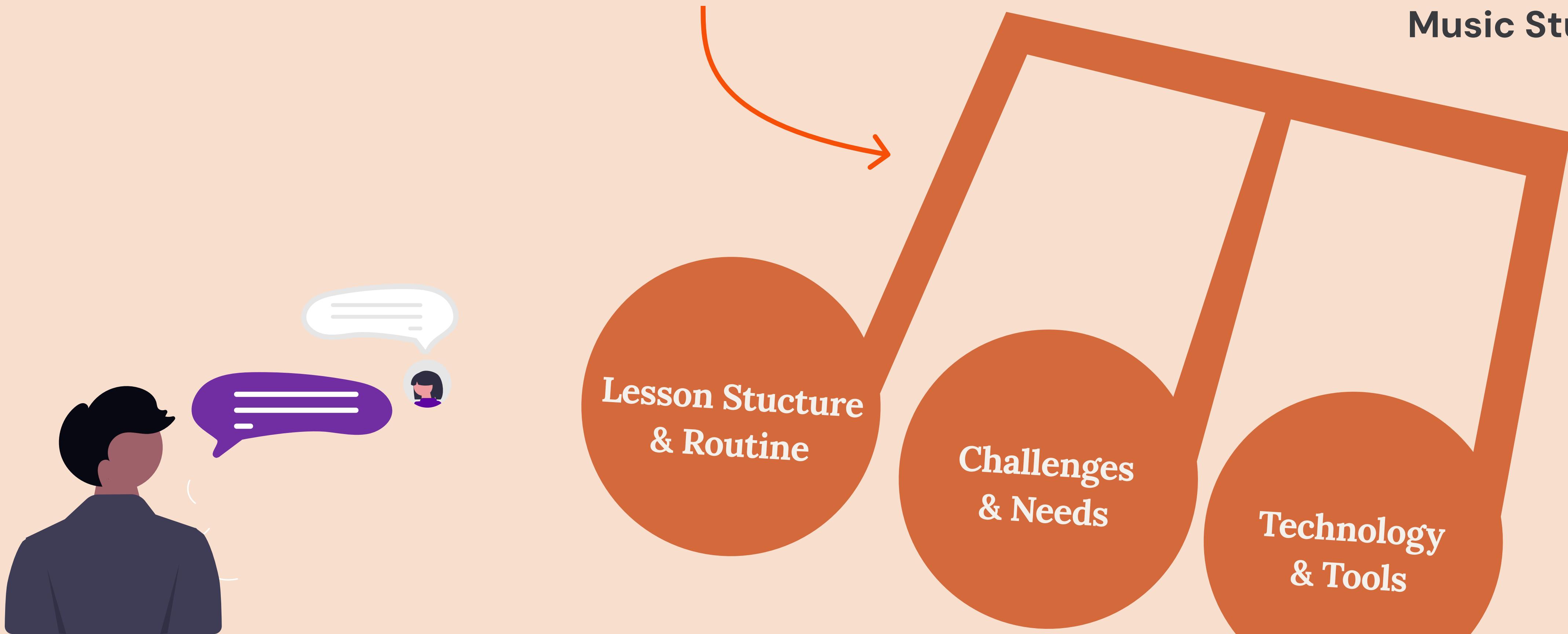
Asking musically-talented
folks about their experiences
with all things learning

We interviewed 6 people involved in music

Here's what we asked them about!



- Music Students
- Music Teachers
- Parents of Music Students



The Scope

From talking to students, teachers, and reviewing existing solutions, we found that:

1. Students want a single place where everything lives
2. Motivation drops when progress isn't visible
3. Practice feels overwhelming without clear structure
4. Sheet music gets lost, damaged, or is hard to find when switching pieces
5. Existing tools are either too advanced, too limited, or don't integrate well together



Insight 1

Lack of organization & progress tracking

There was a consistent theme of difficulty keeping track of practice notes, sheet music, or progress.

“I get overwhelmed and have a lot of trouble managing updated sheet music, keeping practice notes organized, and lesson scheduling.”

Insight 2

Difficulty finding motivation & consistency

Students (especially self-directed ones) often lack accountability without external deadlines.

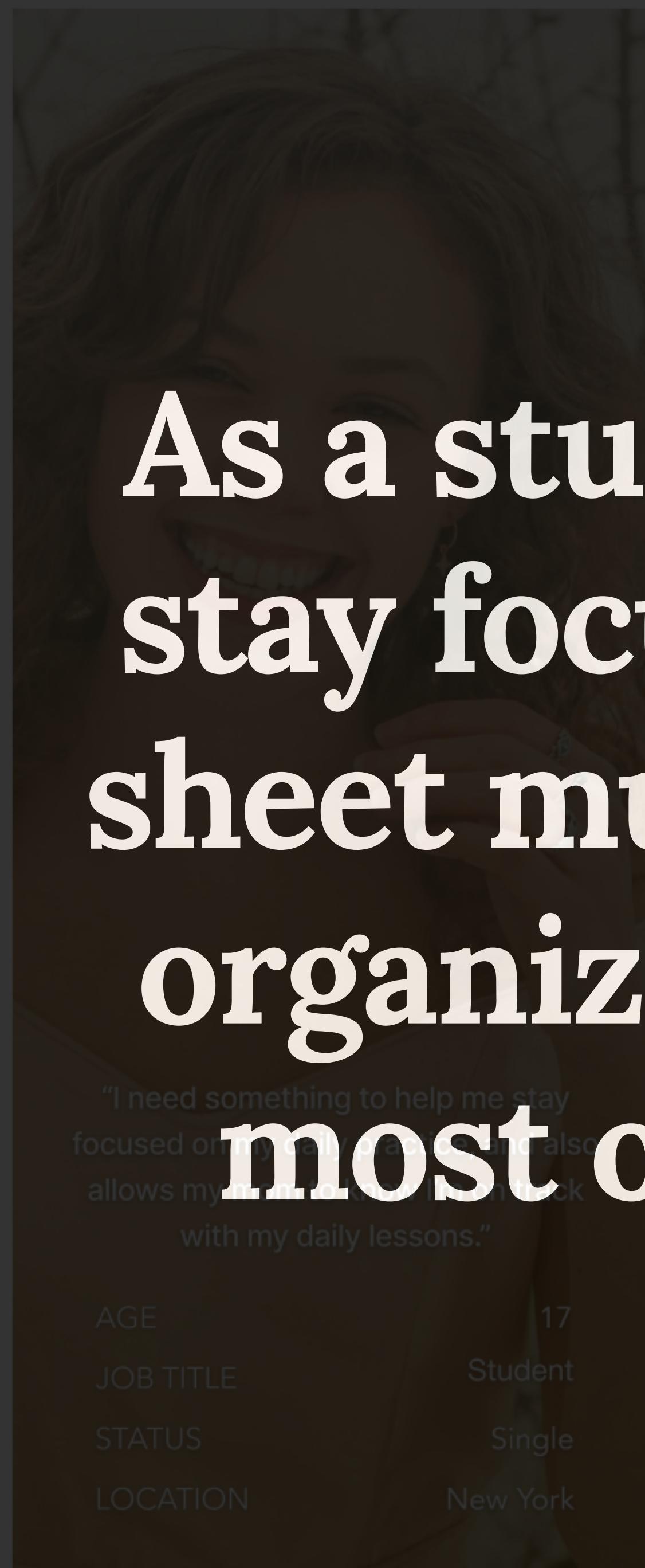
“I guess having a dedicated time to practice is a challenge because I don't have any pressure. Only when I have a show or something. But if there's no incentive I might not practice as much as I should.”

Insight 3

Varied tool usage

A mix of analog and digital methods are used- meaning they have to rely on many tools for practicing

“My written music is on paper, but is usually scanned as a PDF. I send out sheet music, links, videos, and practice notes so I jump around between different places often.”



#CreativeSoul
#MusicLearning
#PracticeStruggles

USER PERSONA

Jazmin Matthews

ABOUT

As a student, I need a way to stay focused and keep all my sheet music and assignments organized so I can make the most of my practice time.

"I need something to help me stay focused on my daily practice and also allows my mom to keep track with my daily lessons."

AGE

17

JOB TITLE

Student

STATUS

Single

LOCATION

New York

WANTS & NEEDS

- Practice scheduler with customizable reminders
- "App block" mode that prevents distractions until practice goal is hit
- Practice scheduler with customizable reminders

KNOWN HABITS

- Watches YouTube/IG clips and copies techniques
- Records teacher demos on phone
- Practices more when an assessment, performance, or practice session is near

PREFERENCES

Genre: Classical
Being the top of her class
Music Playlists
Violin
Current Music lessons

PAIN POINTS

- Blurry PDFs and unclear scans and slow will
- Apps that send too many notifications
- Is easily distracted due to lack of teacher engagement

FAVORITE APPS



“How might we create a system
that helps students stay
organized and focused
during practice?

Ideate

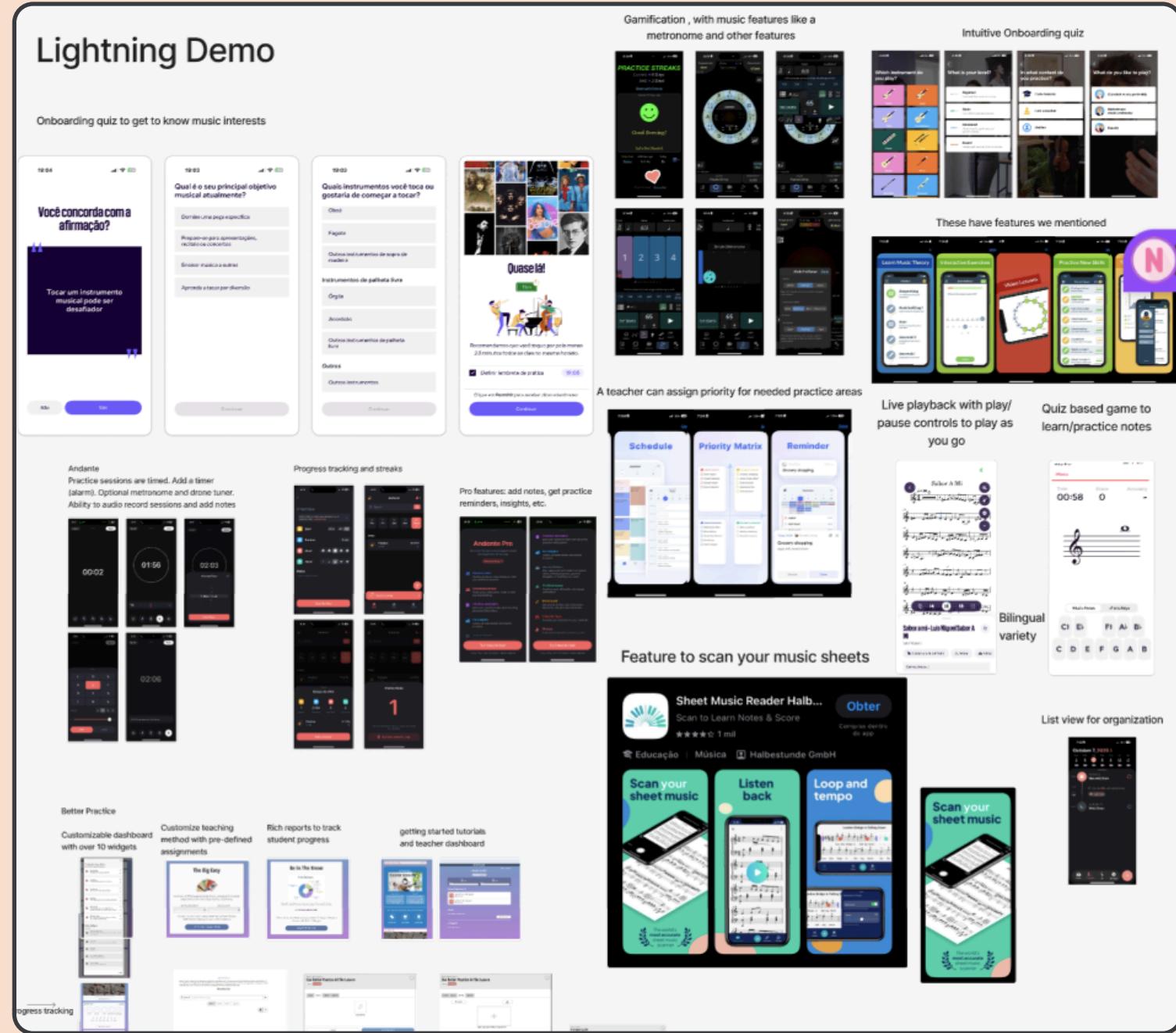


Research & Brainstorming

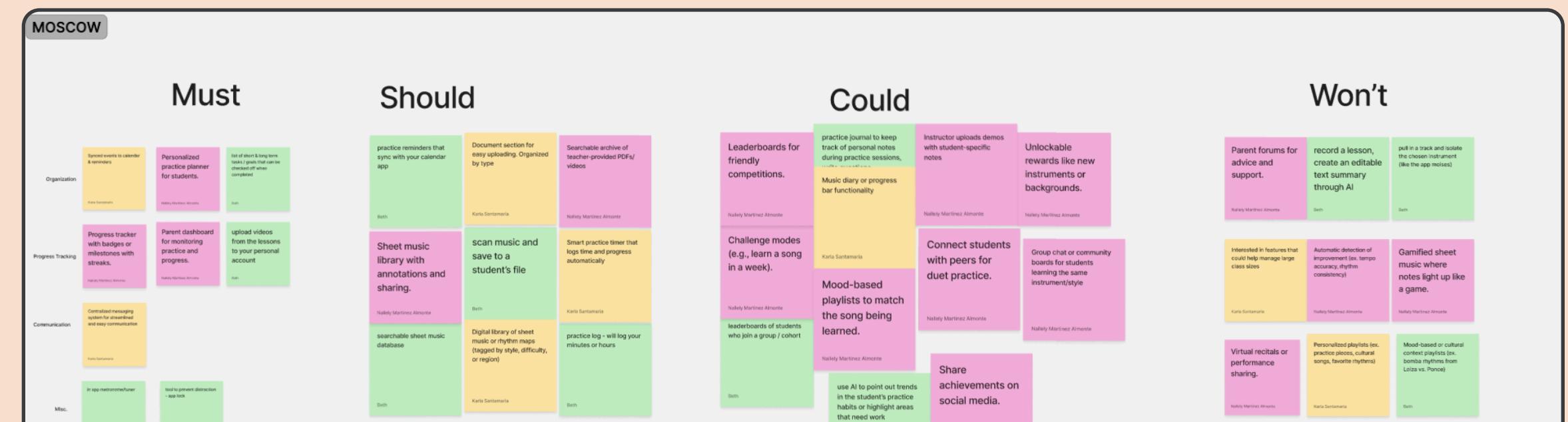
Competitive analysis

Features by Platform	Lessonface	Class Dojo	Tonara	Practice Space	Vivid Practice	Andante	YouTube
Teacher Marketplace	✓			✓			
Studio Administration	✓	✓	✓	✓	✓	✓	
Parent Communication	✓	✓	✓	✓	✓	✓	
Teacher Assignments		✓	✓	✓	✓	✓	
Practice Motivation		✓	✓	✓	✓	✓	
Student Practice Tracking		✓	✓	✓	✓	✓	
Built-in Practice Tools		✓	✓	✓	✓	✓	
Content Library		✓	✓	✓	✓	✓	
User: Student	✓		✓	✓	✓	✓	✓
User: Teacher	✓	✓	✓	✓	✓	✓	
User: Parent	✓	✓	✓	✓	✓		

Lightning Demos



Moscow



Scamper



Key insights

Tracking & Tools

A way for students to *log* their work *do* the work simultaneously without leaving the app

Sheet Music Library

For easy access to lesson materials so students and teachers can bet on the same page

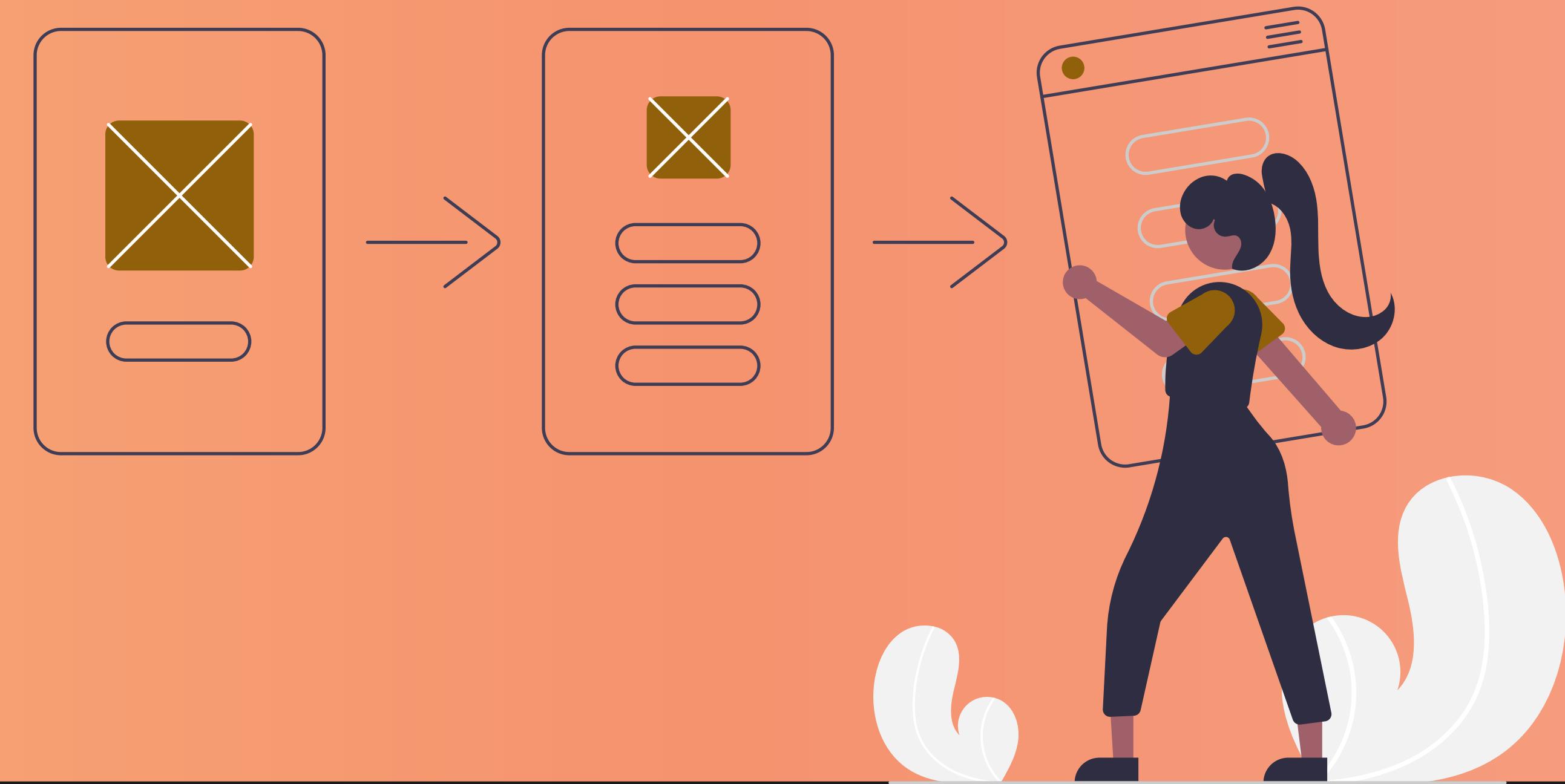
Practice Motivation

A system like rings or streaks to keep students engaged and motivated

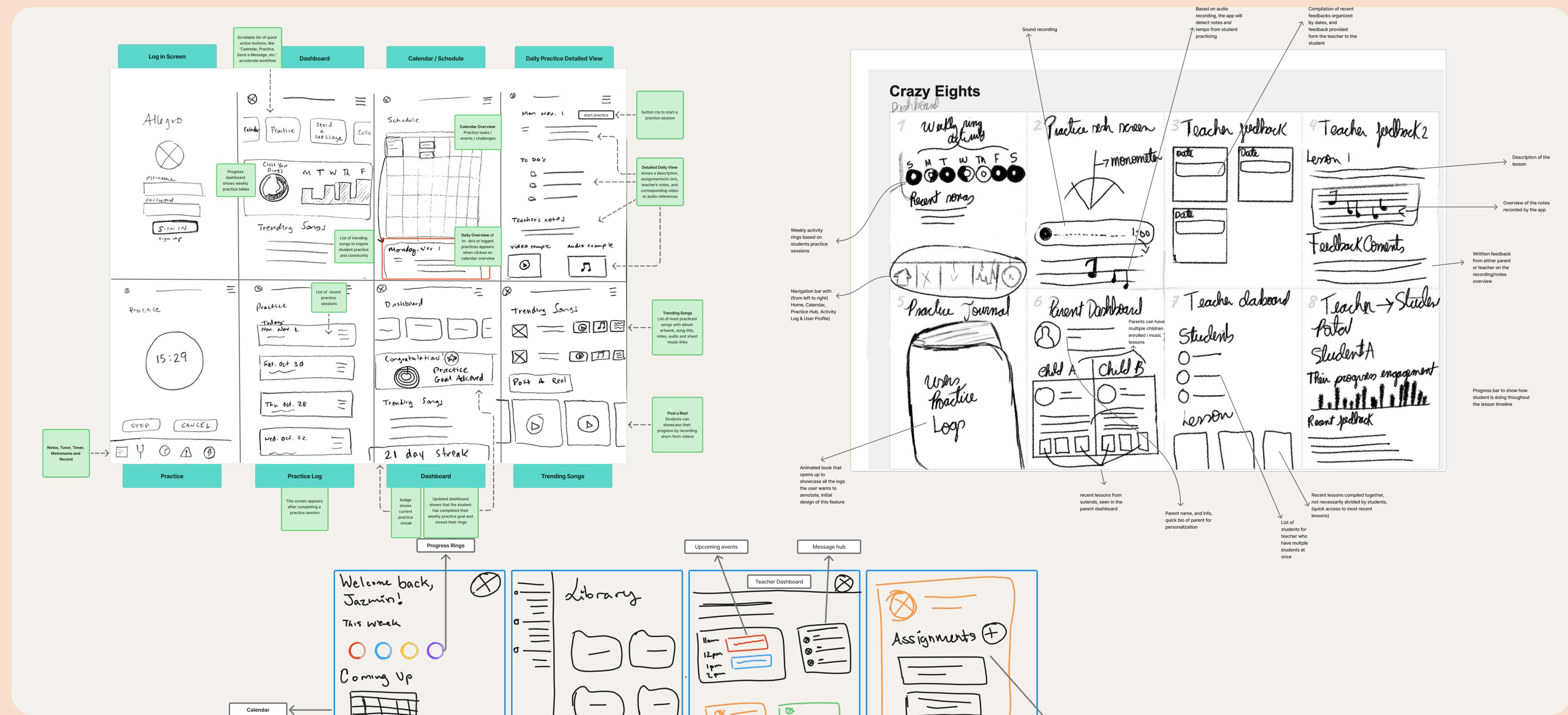
Smart Assignments

Detailed assignments with attachments like mp3s, videos, notes, and sheet music.

Visualizing What Looks Good

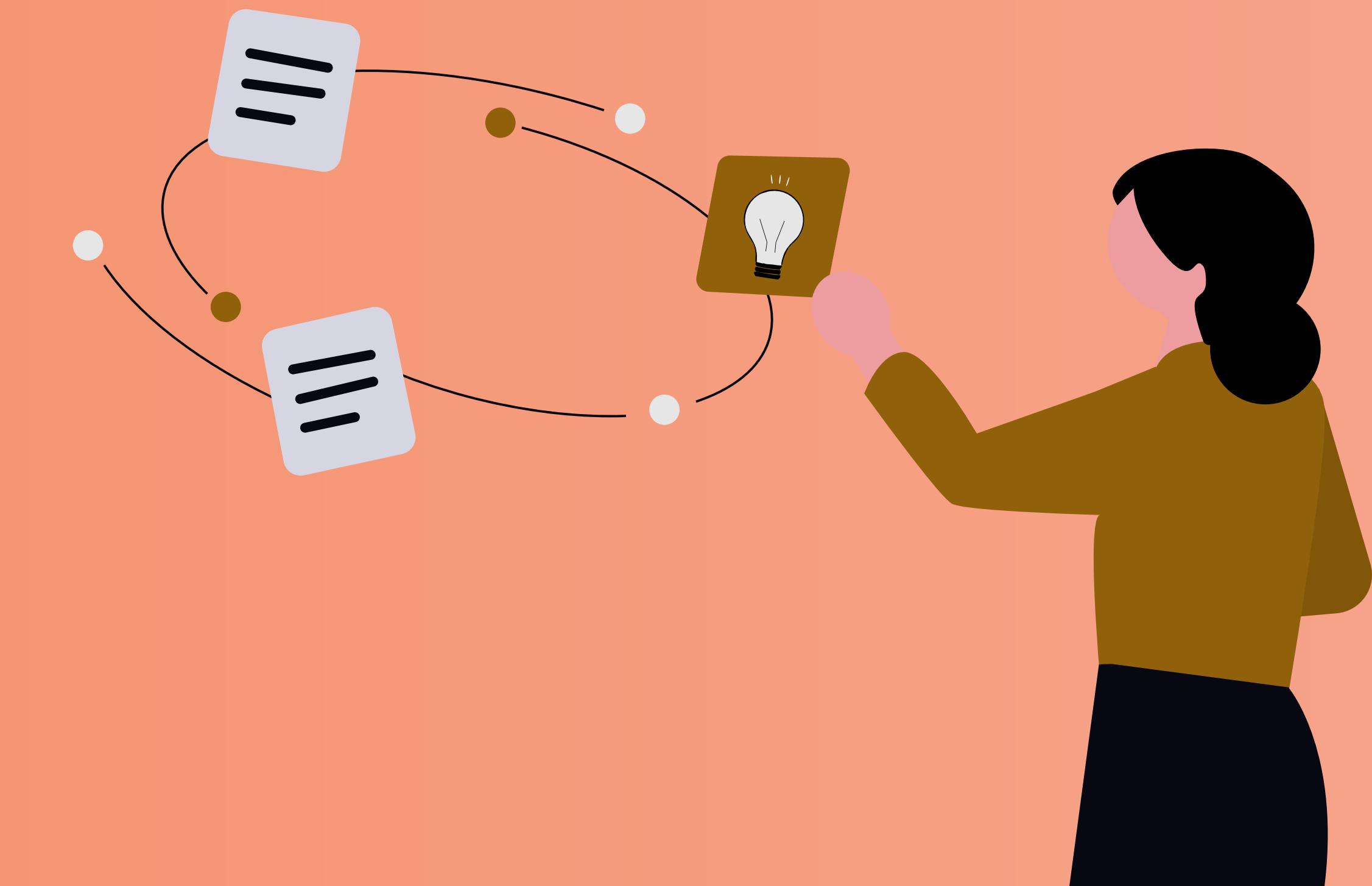


We Created Some Sketches



Then turned them into mid-fi. . .

Test and Iterate



Improvement 1

Simplifying The Interface

Before

Welcome back, Student!

New Session Dashboard Practice Hub Feedback Journal Library

Your activity this week

24h Total Practice Time 5 Sessions This Week 7 Day Streak 85% Goal Completion

Upcoming Schedule

- Piano Lesson Nov 5, 2025 • 3:00 PM
- String Sectional Nov 6, 2025 • 4:30 PM
- Fall Recital Nov 15, 2025 • 7:00 PM
- Progress Review Nov 8, 2025 • 2:00 PM

Recent Activity

- Lesson Rescheduled Piano lesson moved to Tuesday 2 hours ago
- New Assignment Practice Chopin Nocturne Op. 9 No. 2 5 hours ago
- Concert Preparation Meeting Discussion about Fall Recital 1 day ago

After

Welcome back, Student!

Current Day Streak 4

Start Practicing

Practice Stats

This Week

- Average Practice Time 27min/day goal: 40min/day
- Sessions 4/7
- Completed Assignments 1/3

All Time

- Average Practice Time 32min/day
- Sessions 84
- Completed Assignments 146

Upcoming Schedule

December 2025

M	Tu	W	Th	F	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Thursday, December 4, 2025

9:00am Piano Lesson 1hr Completed

3:00pm Guitar Practice 45 min Scheduled

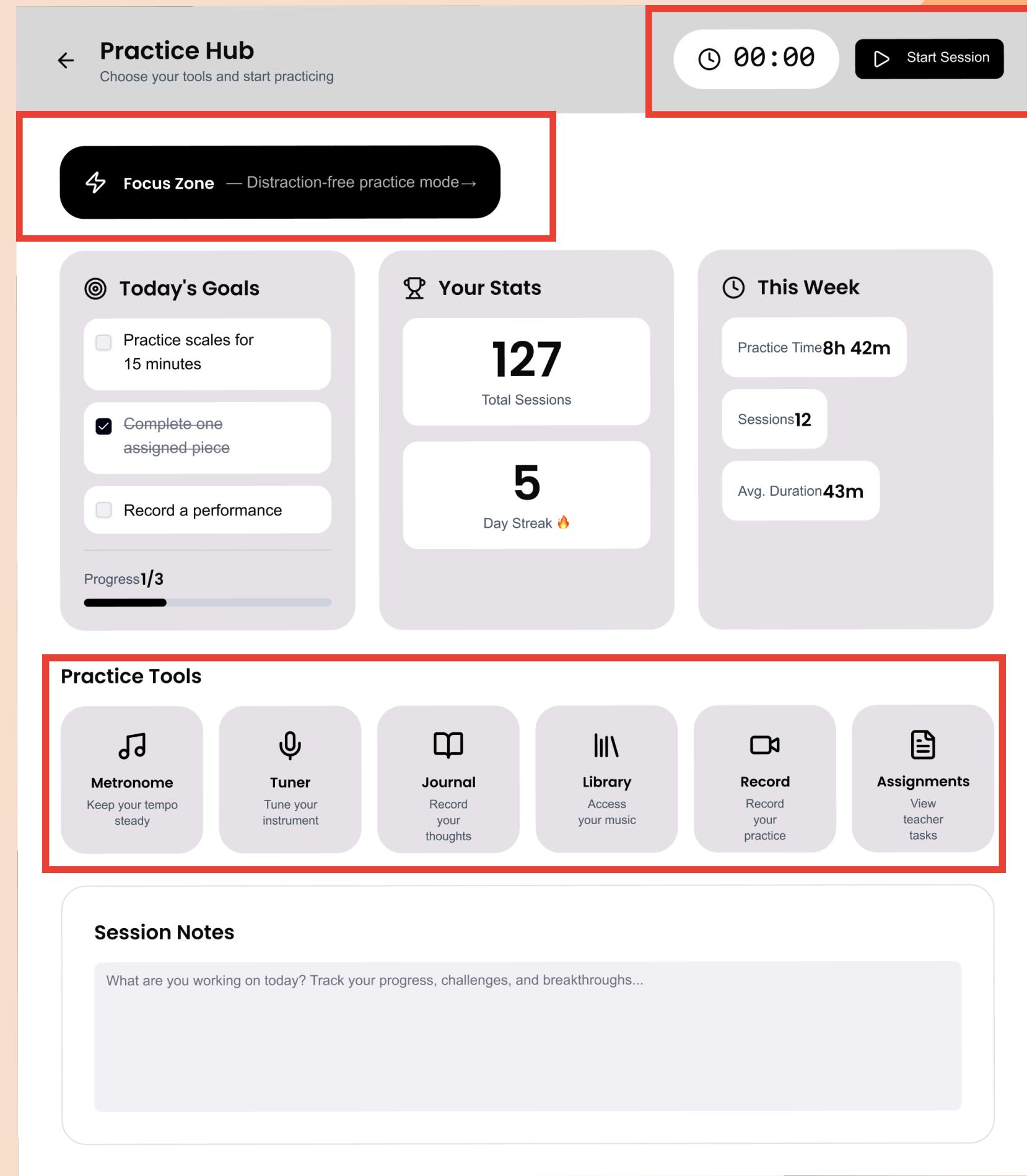
This Week's Assignments

Reading Rhythm pg. 14 Due: Dec. 14 Play at 70bpm with the metronome

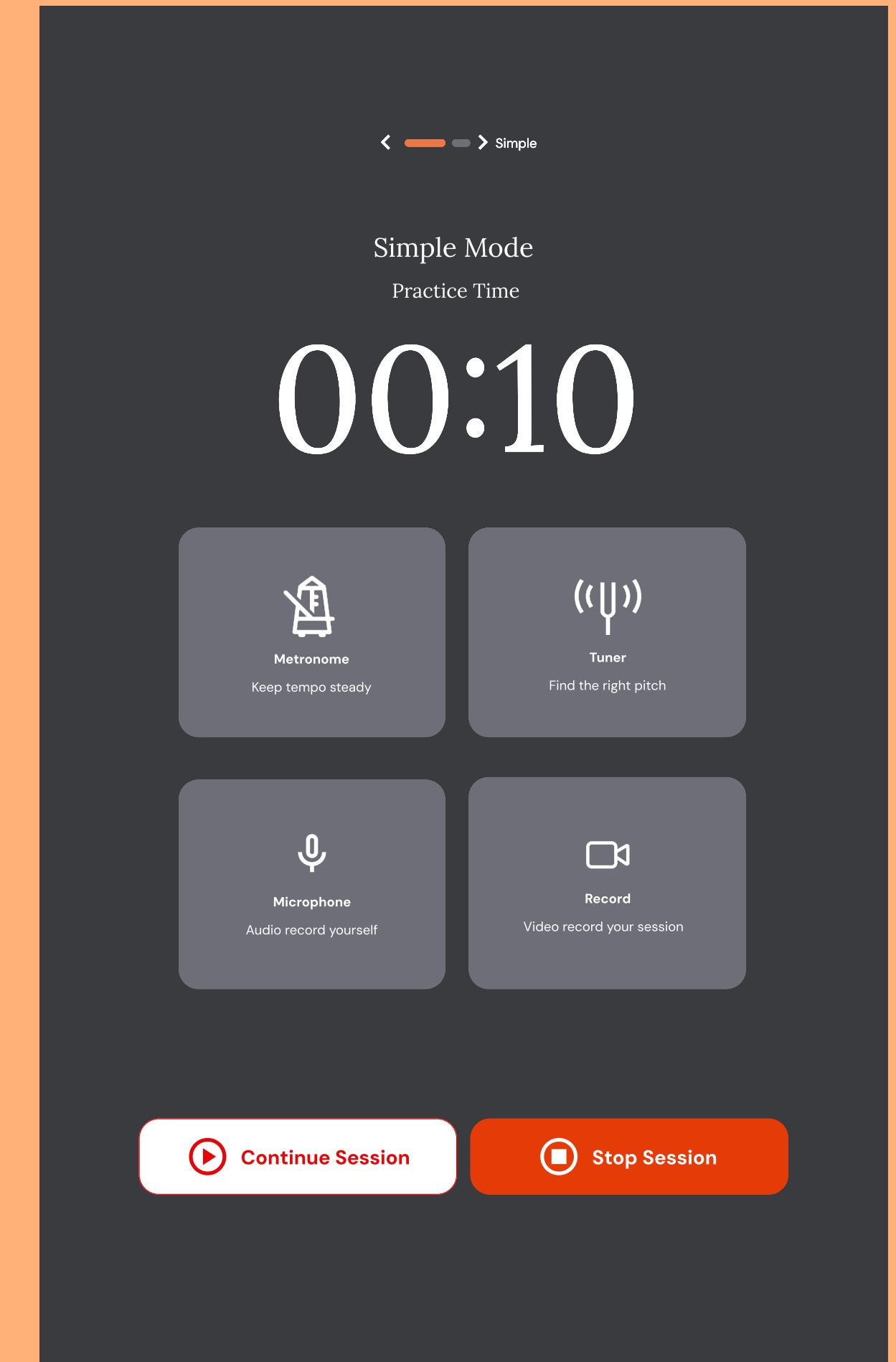
Improvement 2

Matching Feature Location with Mental Mapping

Before



After



Overview

Define

Ideate

Prototype

Testing

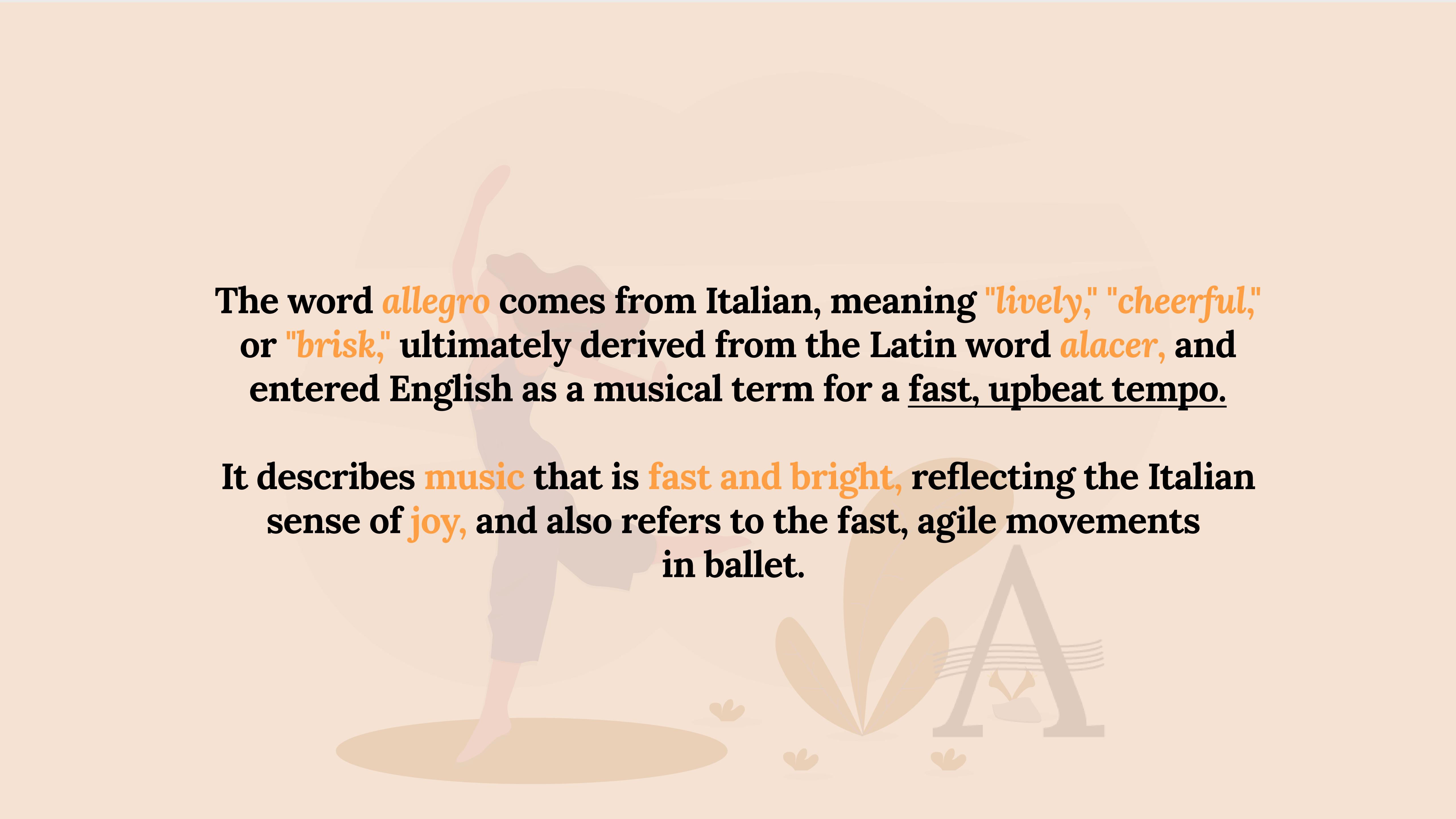
♪ Designs

Designs





“Allegro”

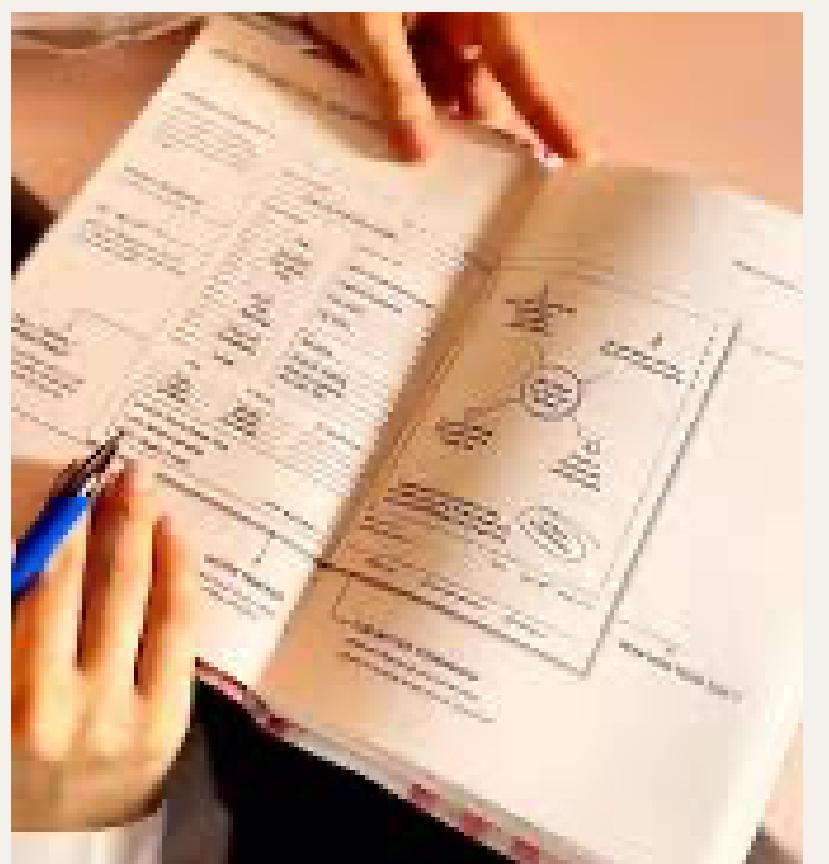
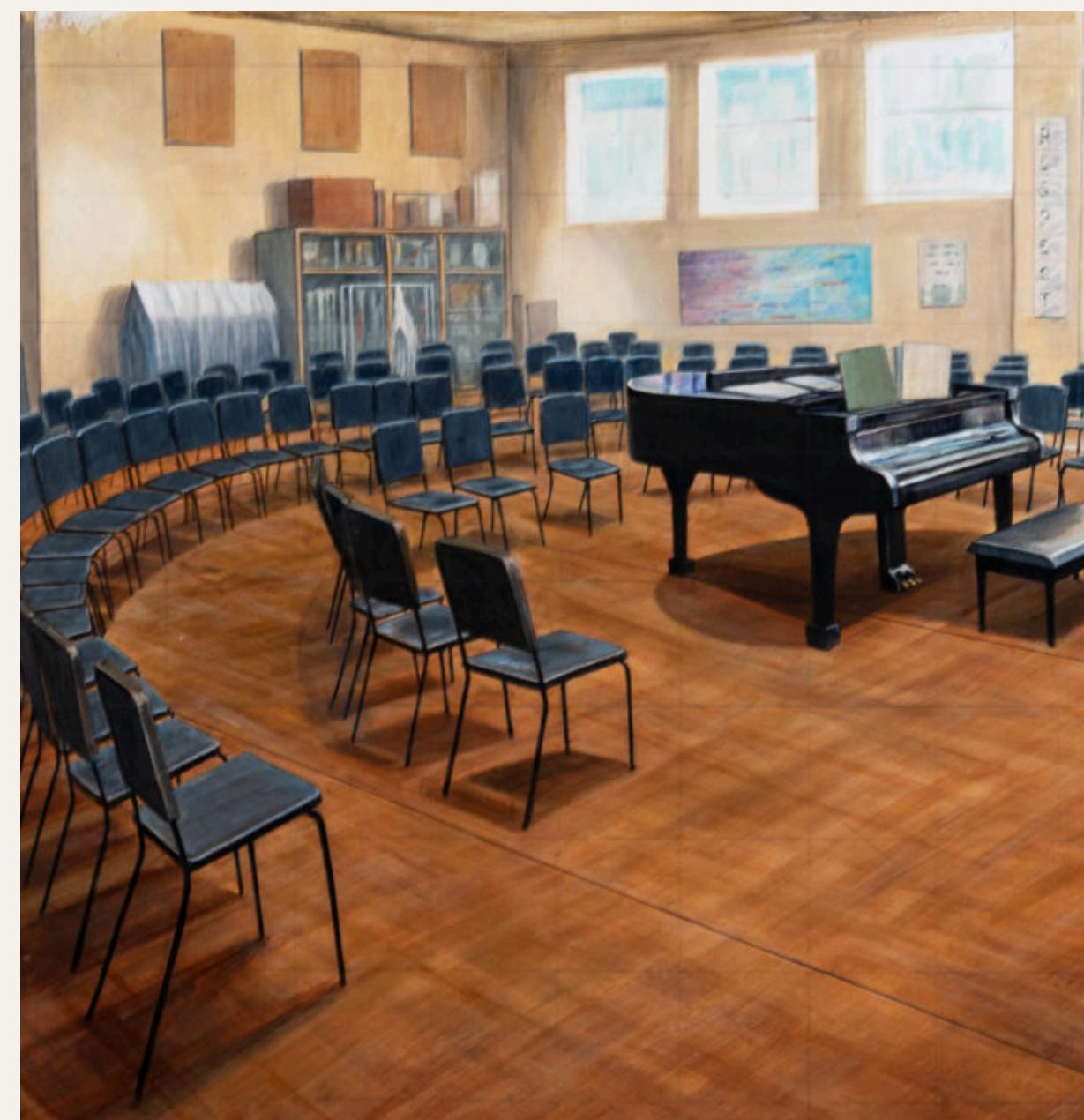
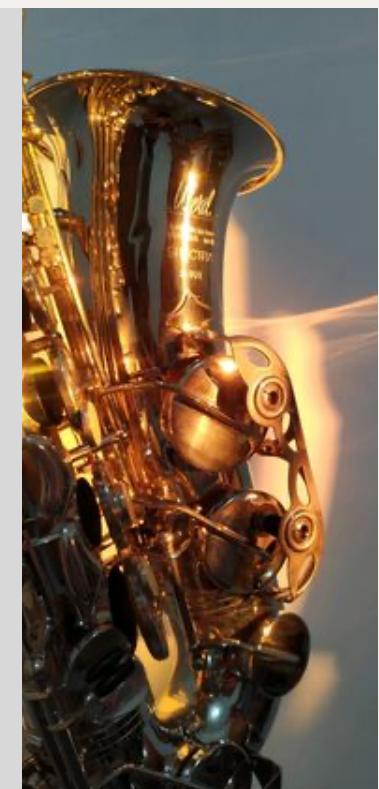
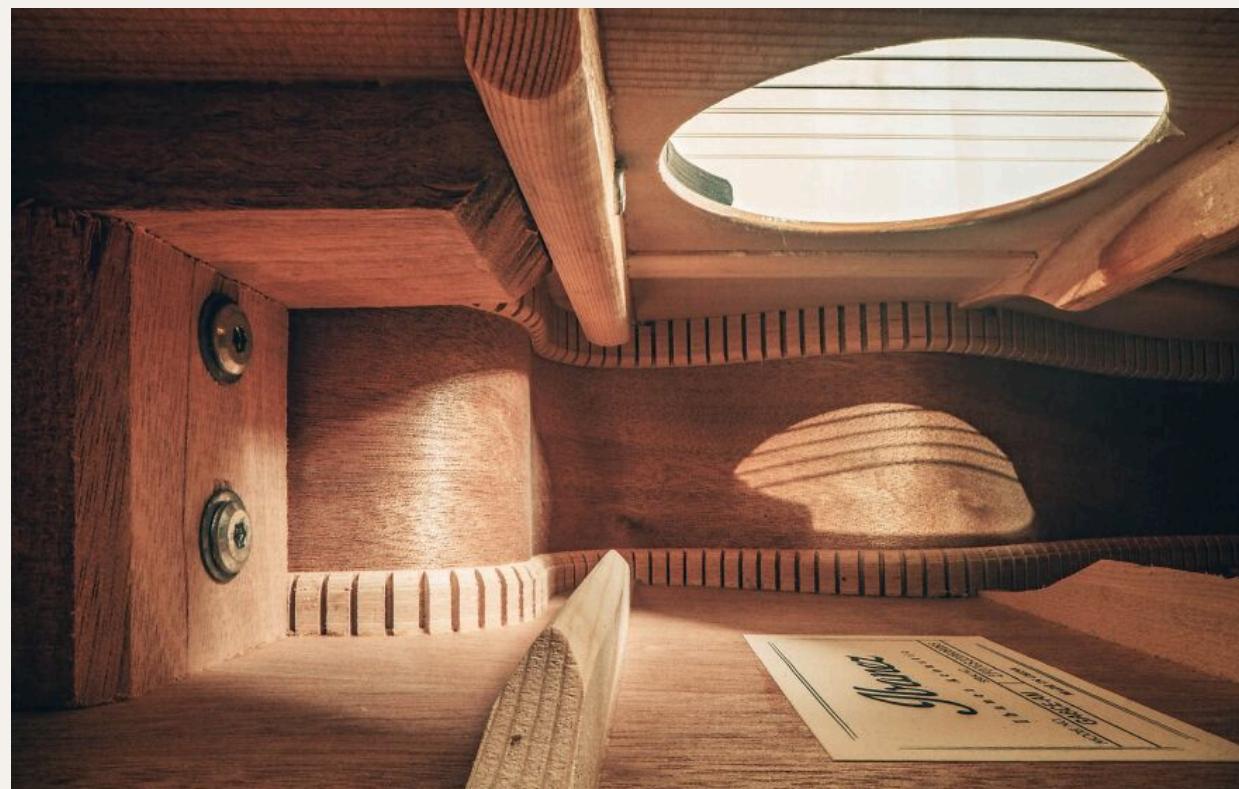


The word **allegro** comes from Italian, meaning "lively," "cheerful," or "brisk," ultimately derived from the Latin word **alacer**, and entered English as a musical term for a fast, upbeat tempo.

It describes **music** that is **fast and bright**, reflecting the Italian sense of **joy**, and also refers to the fast, agile movements in ballet.



moodboard



Allegro Music platform for students, teachers, and parents (coming soon)

Style guide



Colors

Colors used in the design system:

Color Name	RGB	Hex
Brand	rgb(255, 107, 0)	#FF6B00
Secondary	rgb(245, 182, 81)	#F5B651
Accent	rgb(144, 94, 59)	#905E3B
Neutral	rgb (244, 241, 235)	#F4F1EB
Neutral 2	rgba(58,59,64,1)	#3A3B40
White	rgb (255, 255, 255)	#FFFFFF
Success	rgb (255, 107, 0)	#FF6B00
Error	rgb(167, 132, 6)	#F5B651
Warning	rgb(167, 132, 6)	#A78406

Typography

DM Sans

DM Sans is the primary font for Allegro.

Body Regular
Body Grey

Typography

Lora

Lora is the primary font for Allegro.

Heading 1 Semibold

Heading 2

Spacing

Base spacing units used throughout the system for consistent spacing between elements and components.

Unit	Value
2xs	4px
xs	8px
sm	16px
md	24px
lg	32px
xl	40px
2xl	48px
3xl	64px
4xl	80px

Padding

Internal spacing units used to create consistent padding within components and containers.

Unit	Value
tight	8px
normal	16px
loose	24px
sm	32px
md	48px
lg	64px

Border Radius

Border radius values used to create consistent corner rounding across the interface elements.

Unit	Value
none	0px
sm	4px
md	8px
lg	16px
xl	24px
circle	50px
pill	9999px

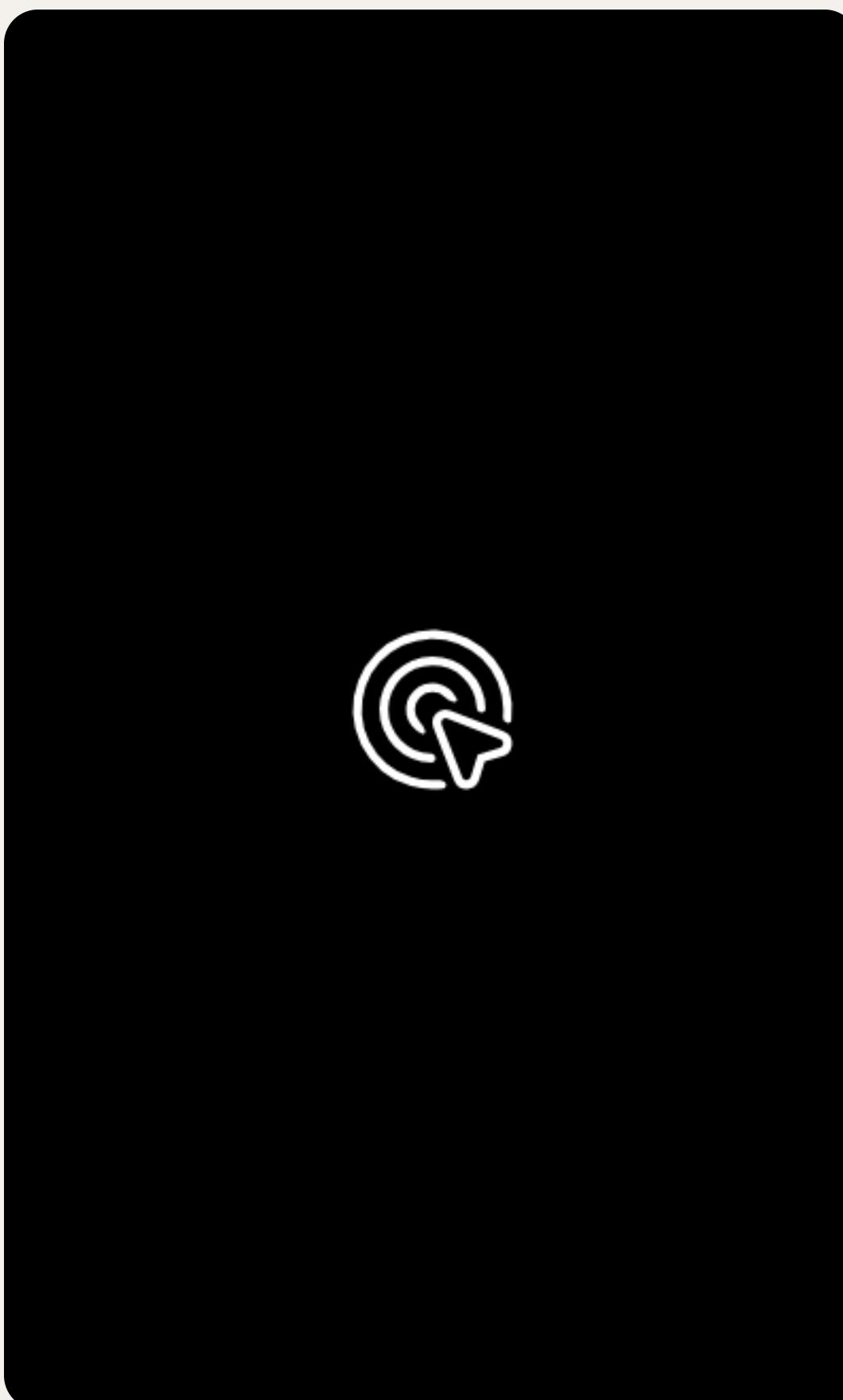
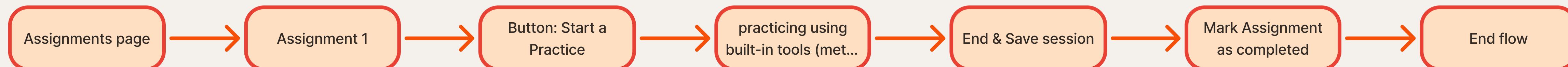
User Flows



Our MVP – 3 Core Flows

Flow 1

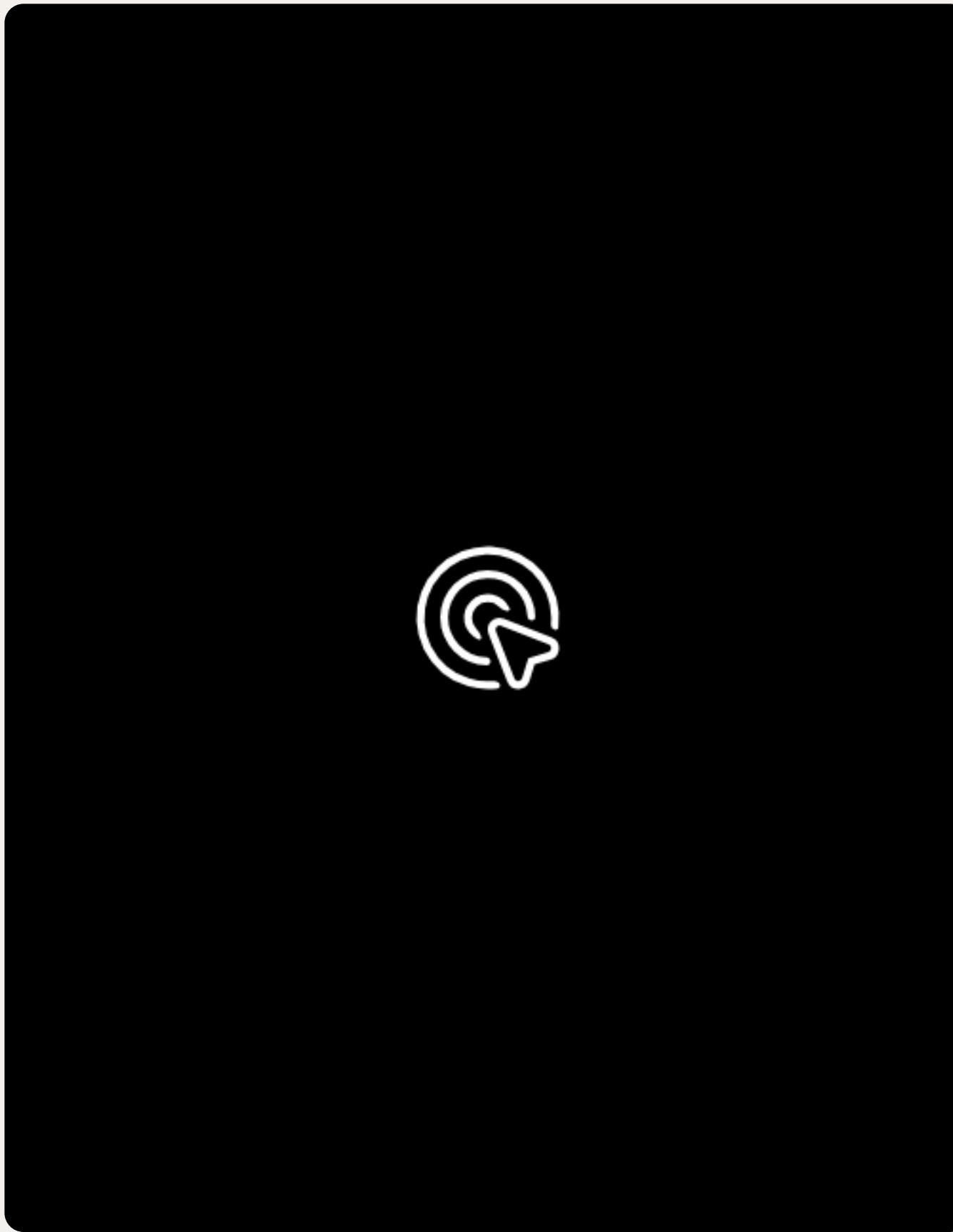
View assignments



Our MVP – 3 Core Flows

Flow 2

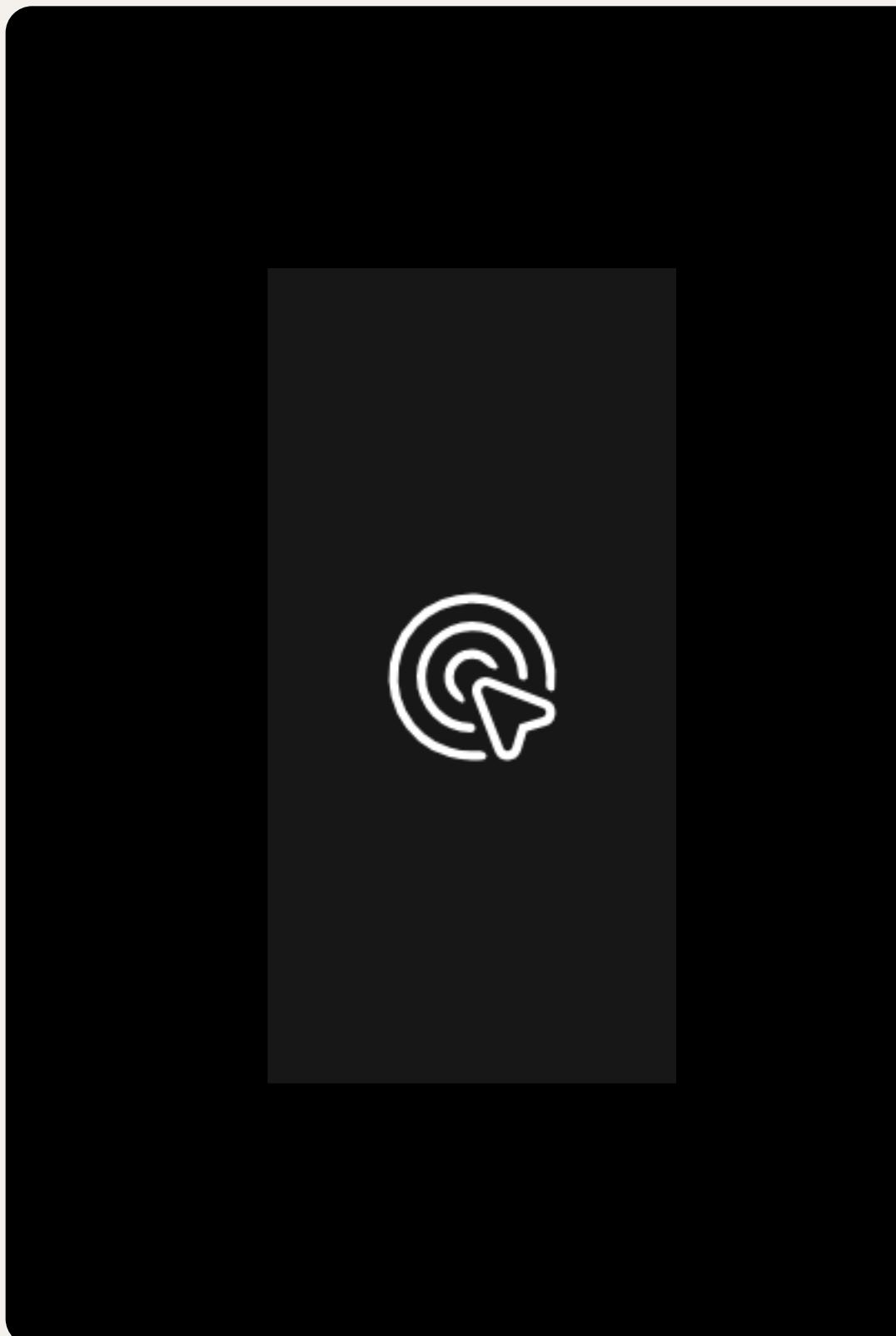
Upload music to your sheet music library



Our MVP – 3 Core Flows

Flow 3

Access the practice hub and start a practice session



Final prototype



Practice modes

Simple mode



in-session practice tools



timed, distraction free session



simple swipe to switch modes



Practice modes

Sheet music mode



all functions of simple mode



**view full-size sheet music
within a practice session**

Violín 1 Conga del Fuego Nuevo

Arturo Márquez
arr. José Suárez

Casi Conga $\text{♩} = 130$

8

12 A

21

29 B

37

45 C

52

59 D

66

73 E

81

Sheet Music

00:00 | ⏸ (⟳) ⏹ ⏸ ⏹ | ⏸ Pause Session ⏹ Stop Session

Dashboard

Progress Tracking



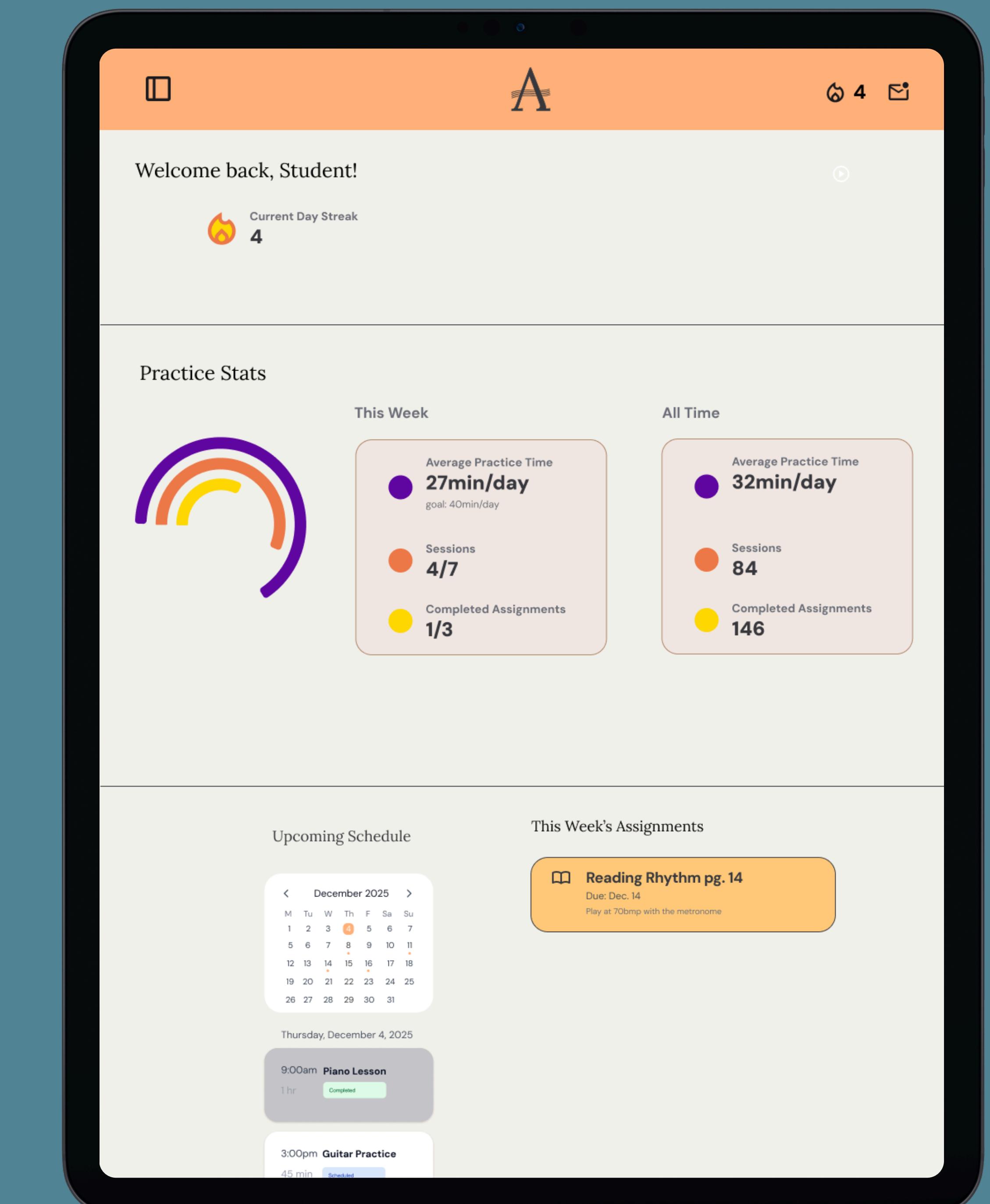
Rings show progress towards practice goals



Streaks for motivation



Quickly view schedule and assignments



Content Library

Sheet Music Library



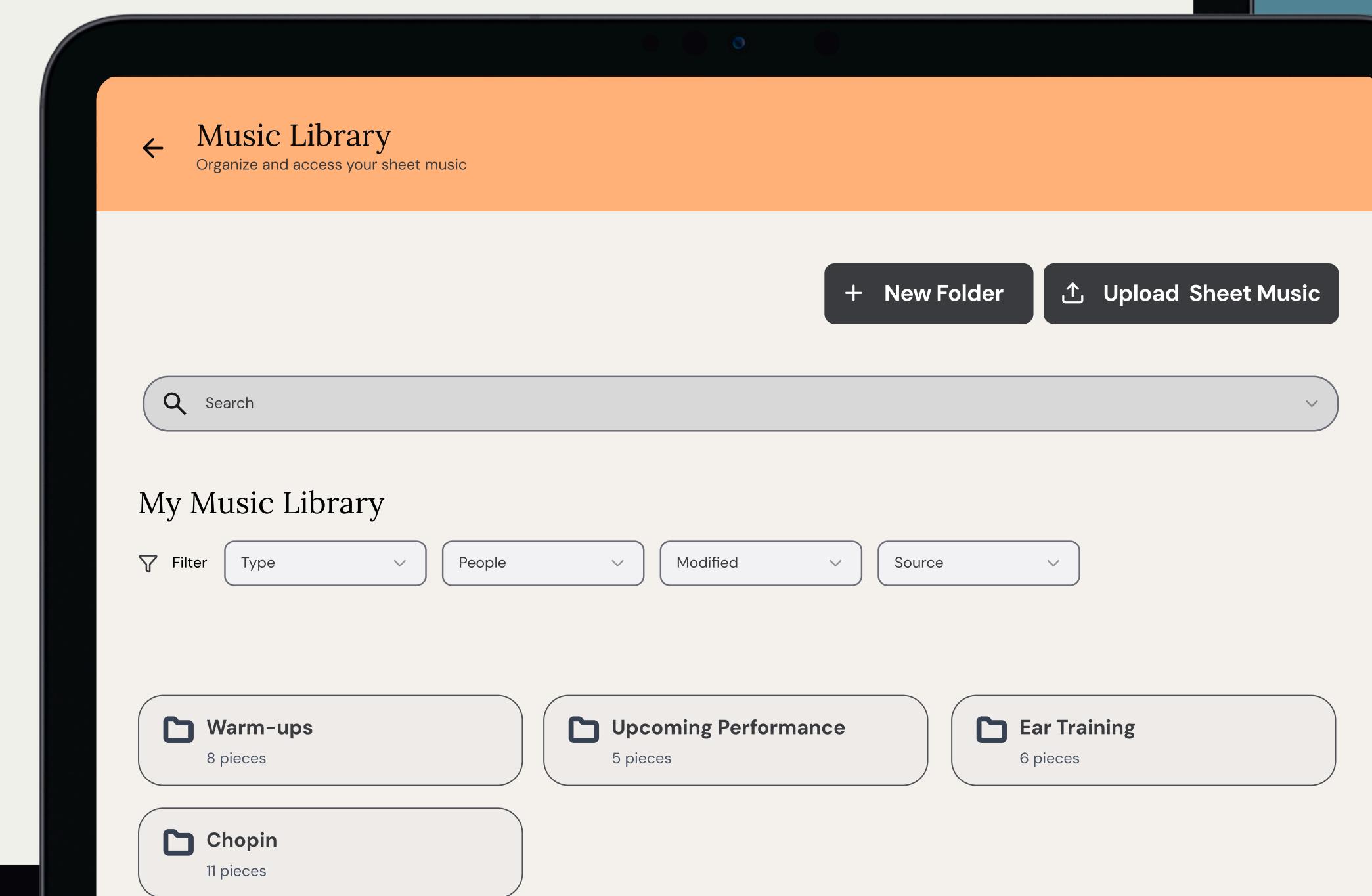
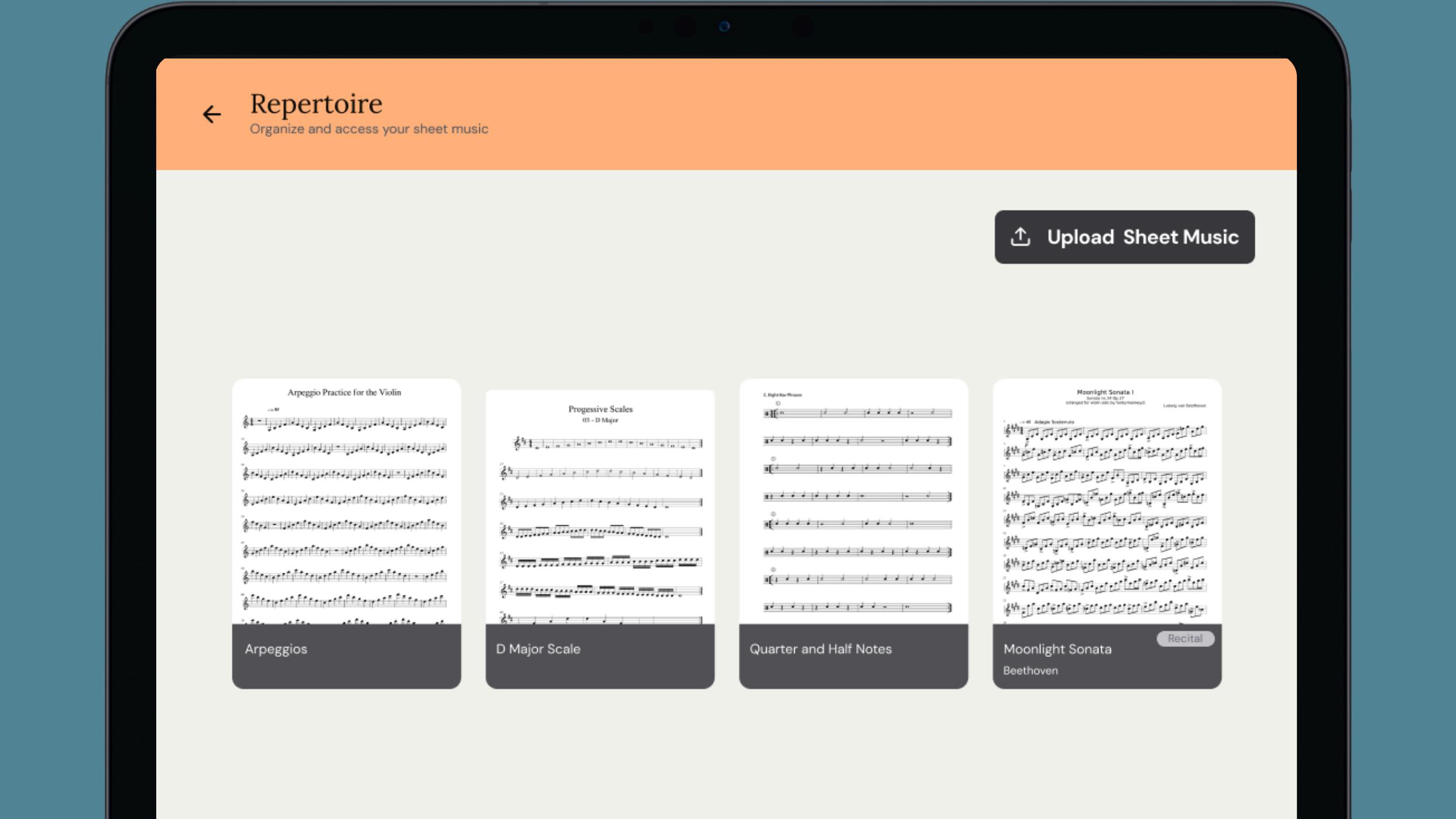
Upload sheet music, access music your teacher has uploaded



Add tags, organize into folders



Filter or search your library



Practice Hub

Practice Control Center



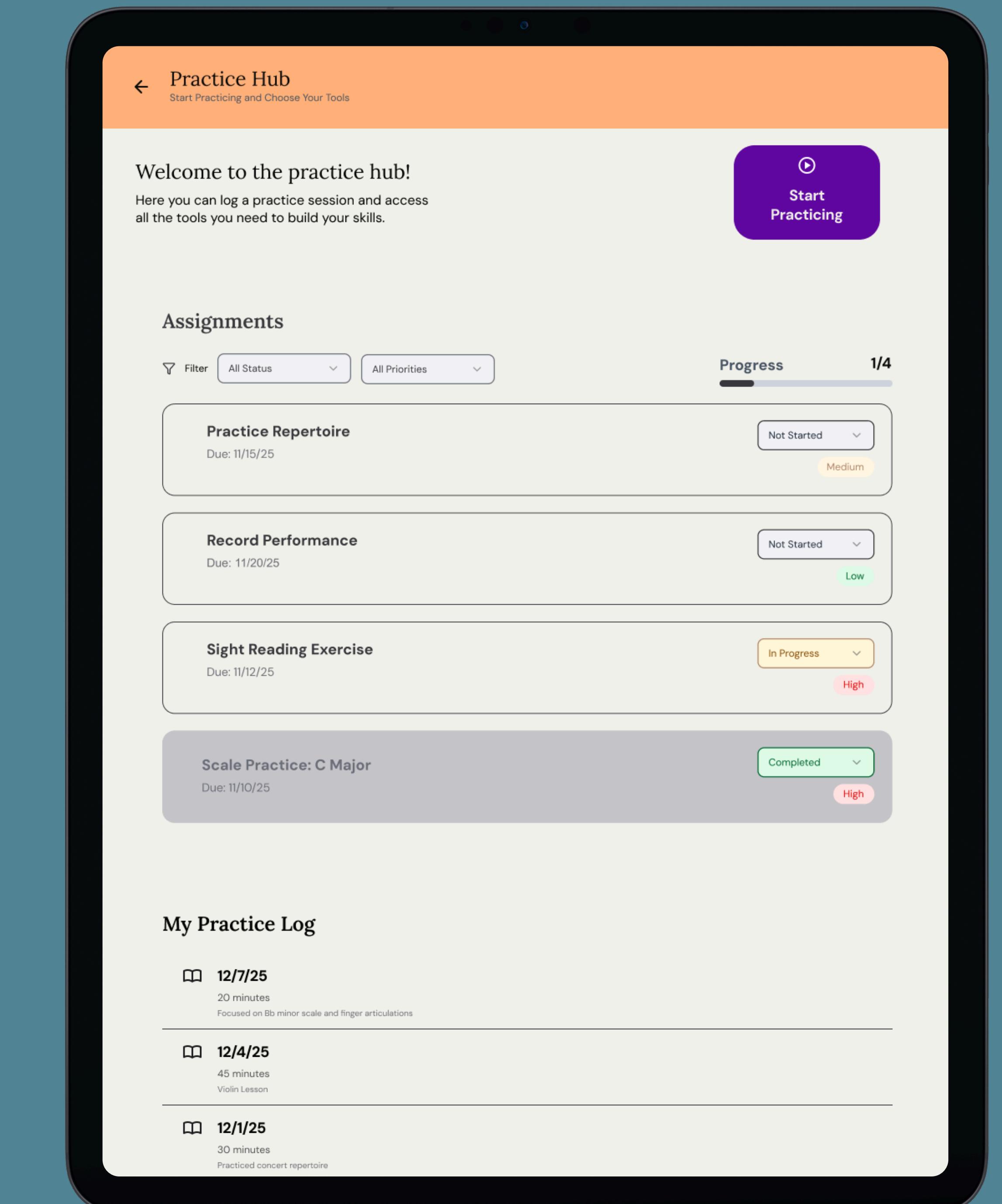
Assignments overview



Detailed practice log



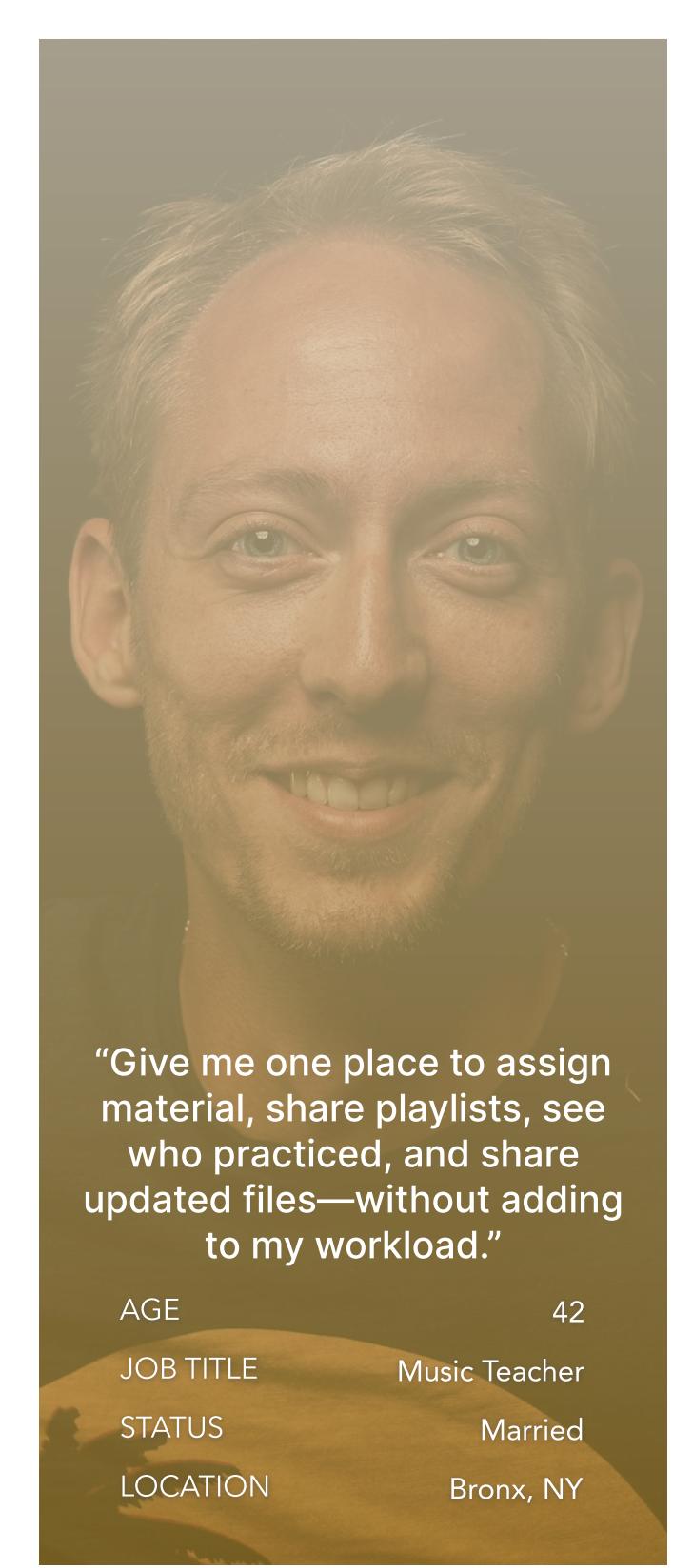
Quick start a practice session





Next steps

Expand teacher



"Give me one place to assign material, share playlists, see who practiced, and share updated files—without adding to my workload."

AGE 42
JOB TITLE Music Teacher
STATUS Married
LOCATION Bronx, NY



#CreativeSoul

#TeachThroughVibes
#StudentBreakthroughs
#PaperworkOverload

ABOUT

Danny teaches classes of to multiple students one-on-one, and group classes across multiple instruments. He values human connection and repeatable musical experiences that build community. He keeps paper notes, grade books, and simple spreadsheets but is open to digital tools that actually save time.

WANTS & NEEDS

- Clear dashboards that show who needs help
- Easy distribution of the newest sheet music
- Tools that work on school iPads

KNOWN HABITS

- Reuses core repertoire to reinforce learning
- Shares occasional videos/playlists for reference
- Gives quick in-class checks instead of long written homework

USER PERSONA

Danny Morales

PREFERENCES

- Easy Ability to Scan Music
- Tracking Student Practice
- Reminders for Students
- App Lock Mode
- Community Building



PAIN POINTS

- Hard to track individual progress across large classes and give personal feedback
- Class time gets eaten by logistics (who practiced, who has music)
- Phone use distracts students
- Paperwork is “the hardest part” (scattered notes, Dropbox updates, etc.).

FAVORITE APPS



and copies

- Records teacher demos on phone
- Practices more when an assessment, performance, or practice session is near

JOB TITLE

Student

STATUS

Single

LOCATION

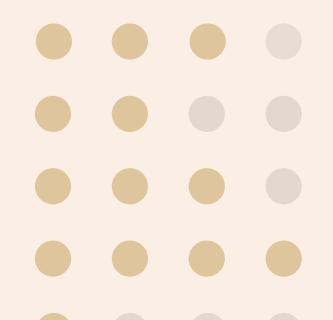
New York

USER PERSONA

Jazmin Matthews

PREFERENCES

- Games
- Being the top of her class
- Music Playlists
- Violin
- Current Music lessons



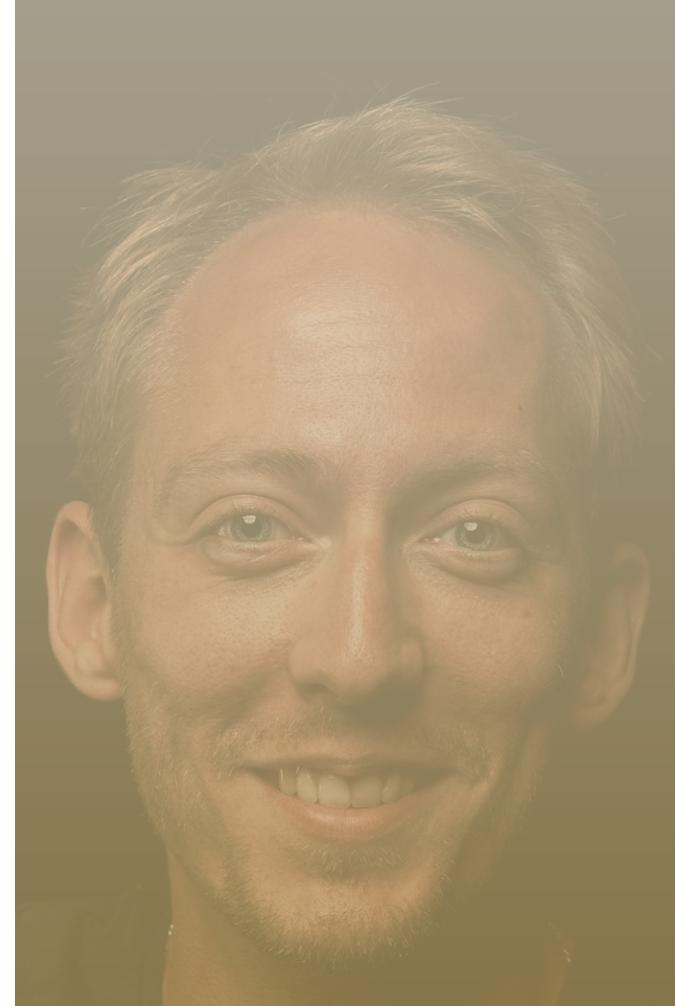
PAIN POINTS

- Blurry PDFs and unclear scans and slow wifi
- Apps that send too many notifications
- Is easily distracted due to lack of teacher engagement

FAVORITE APPS



Expand teacher & parent use



"Give me one place to assign material, share playlists, see who practiced, and share updated files—without adding to my workload."

AGE: 42
JOB TITLE: Music Teacher
STATUS: Married
LOCATION: Bronx, NY



#TeachThroughVibes
#StudentBreakthroughs
#PaperworkOverload

ABOUT

Danny teaches classes of to multiple students one-on-one, and group classes across multiple instruments. He values human connection and repeatable musical experiences that build community. He keeps paper notes, grade books, and simple spreadsheets but is open to digital tools that actually save time.

WANTS & NEEDS

- Clear dashboards that show who needs help
- Easy distribution of the newest sheet music
- Tools that work on school iPads

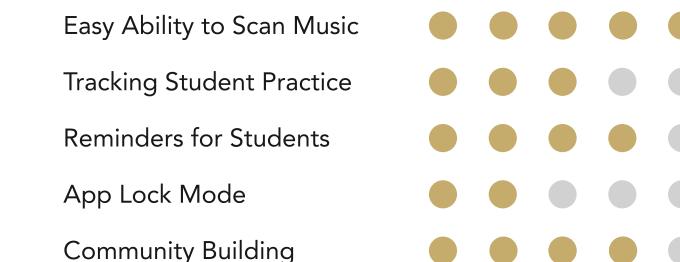
KNOWN HABITS

- Reuses core repertoire to reinforce learning
- Shares occasional videos/playlists for reference
- Gives quick in-class checks instead of long written homework

#CreativeSoul

USER PERSONA Danny Morales

PREFERENCES



PAIN POINTS

- Hard to track individual progress across large classes and give personal feedback
- Class time gets eaten by logistics (who practiced, who has music)
- Phone use distracts students
- Paperwork is “the hardest part” (scattered notes, Dropbox updates, etc.).

FAVORITE APPS




If I had a calendar that already knew what my child should practice tomorrow, it would make everything easier.

AGE: 44
JOB TITLE: Product Manager
STATUS: Married
LOCATION: Los Angeles

USER PERSONA

#CalendarPlease
#PracticeSupport
#MusicforConnection

ABOUT

Maria is a working mother of three, balancing a demanding job with her family's busy schedule. Her oldest recently began pursuing music more seriously, adding lessons and practice sessions to her routine. Maria values structure and wants a simple way to track goals, review teacher notes, and stay engaged in her child's progress without adding more to her plate.

WANTS & NEEDS

- Reliable system (physical or digital) to avoid misplaced papers/pamphlets.
- Communication with Teacher, Direct, ongoing updates so they know what to reinforce at home.

KNOWN HABITS

- Helps Organize Materials → Keeps a folder or notebook for their child's music, though papers still get misplaced.
- Leans on Digital Backups → Turns to PDFs or teacher's shared files when physical pamphlets are lost.

USER PERSONA

Maria Clements

PREFERENCES



PAIN POINTS

- Child sometimes unmotivated
- Needs clearer structure from teacher (practice goals, schedules)
- Finds managing child's schedule with her own overwhelming

FAVORITE APPS



JOB TITLE: Student
STATUS: Single
LOCATION: New York

- Records teacher demos on phone
- Practices more when an assessment, performance, or practice session is near



Usability Testing (pt. 2)



User Testing Summary Report

Date: 12/1/25 Project: (iPad) Participants: 6

1. Overview

The tests focused on 3 user flows:

1. Student flow: Access your assignments
2. Student flow: Start a practice session
3. Student flow: Upload sheet music to music library

Objective
We created different tasks and questions to understand the overall user experience of the application, including its usability and visual communication.

2. Methodology

Test Format: [Moderated In-Person / Remote via Zoom] Some testing was conducted via a moderated zoom session where participants were instructed to share their screen. Other tests were held in person, with a note-taker and were audio recorded.

Materials: iPad, Mid-fi prototype, Hi-fi design (dashboard). Participants were given access to mid-fidelity figma prototype links and they were guided through task-based scenarios relevant to 3 main user flows.

Participants: We spoke to 6 total participants consisting of 4 music students, 1 music teacher, and 1 graduate student.

Tasks Tested:

1. Exploratory: Browse the application; gauge first impressions.
2. Access Assignments: Scenario: Just had a lesson, starting the first practice of the week.

User Testing Summary Report

Date: 12/1/25 Project: Allegro - Music Education Platform Focus: Student Engagement Loop (iPad) Participants: 6 Target Age: 25-45

1. Overview

The tests focused on 3 user flows:

1. Student flow: Access your assignments
2. Student flow: Start a practice session
3. Student flow: Upload sheet music to music library

Objective
We created different tasks and questions to understand the overall user experience of the application, including its usability and visual communication.

2. Methodology

Test Format: [Moderated In-Person / Remote via Zoom] Some testing was conducted via a moderated zoom session where participants were instructed to share their screen. Other tests were held in person, with a note-taker and were audio recorded.

Materials: iPad, Mid-fi prototype, Hi-fi design (dashboard). Participants were given access to mid-fidelity figma prototype links and they were guided through task-based scenarios relevant to 3 main user flows.

Participants: We spoke to 6 total participants consisting of 4 music students, 1 music teacher, and 1 graduate student.

Tasks Tested:

1. Exploratory: Browse the application; gauge first impressions.
2. Access Assignments: Scenario: Just had a lesson, starting the first practice of the week.

User Testing Summary Report

Date: 12/1/25 Project: Allegro - Music Education Platform Focus: Student Engagement Loop (iPad) Participants: 6 Target Age: 25-45

1. Overview

The tests focused on 3 user flows:

1. Student flow: Access your assignments
2. Student flow: Start a practice session
3. Student flow: Upload sheet music to music library

Objective
We created different tasks and questions to understand the overall user experience of the application, including its usability and visual communication.

2. Methodology

Test Format: [Moderated In-Person / Remote via Zoom] Some testing was conducted via a moderated zoom session where participants were instructed to share their screen. Other tests were held in person, with a note-taker and were audio recorded.

Materials: iPad, Mid-fi prototype, Hi-fi design (dashboard). Participants were given access to mid-fidelity figma prototype links and they were guided through task-based scenarios relevant to 3 main user flows.

Participants: We spoke to 6 total participants consisting of 4 music students, 1 music teacher, and 1 graduate student.

Tasks Tested:

1. Exploratory: Browse the application; gauge first impressions.
2. Access Assignments: Scenario: Just had a lesson, starting the first practice of the week.

thank you!

