

The logo features the word "DOLBY" in a bold, uppercase, sans-serif font, followed by a registered trademark symbol (®). Below it, the word "Labs" is written in a bold, lowercase, sans-serif font. To the left of the text is a stylized icon consisting of two overlapping semi-circles, one white and one black, forming a shape reminiscent of a film reel or a pair of headphones.

**DOLBY®**  
**Labs**



# Meet the Team



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# Special Thanks



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# Sponsors



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**Niall Battson**  
Director,  
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# Agenda

- 1 Introduction
- 2 How do we help?
- 3 Design concept
- 4 Rationale
- 5 User Story/Solution
- 6 User Testing
- 7 Next steps



**Dolby Laboratories, Inc. (Dolby Labs) is a global company that designs and manufactures audio and imaging products for cinema, television, broadcast, and entertainment industries.**



# Project Overview

Dolby recognizes the rising demand for non-music audio content, presenting an opportunity in UGC.

By leveraging AI-driven tools, **our goal is to empower creators in producing top-tier audiobooks and podcasts**, ensuring exceptional audio experiences.

# Who are UGC Creators?

UGC creators create media content for an established **user base through platforms like YouTube, Facebook, and Instagram**. They produce content **non-professionally as a hobby or passion**.

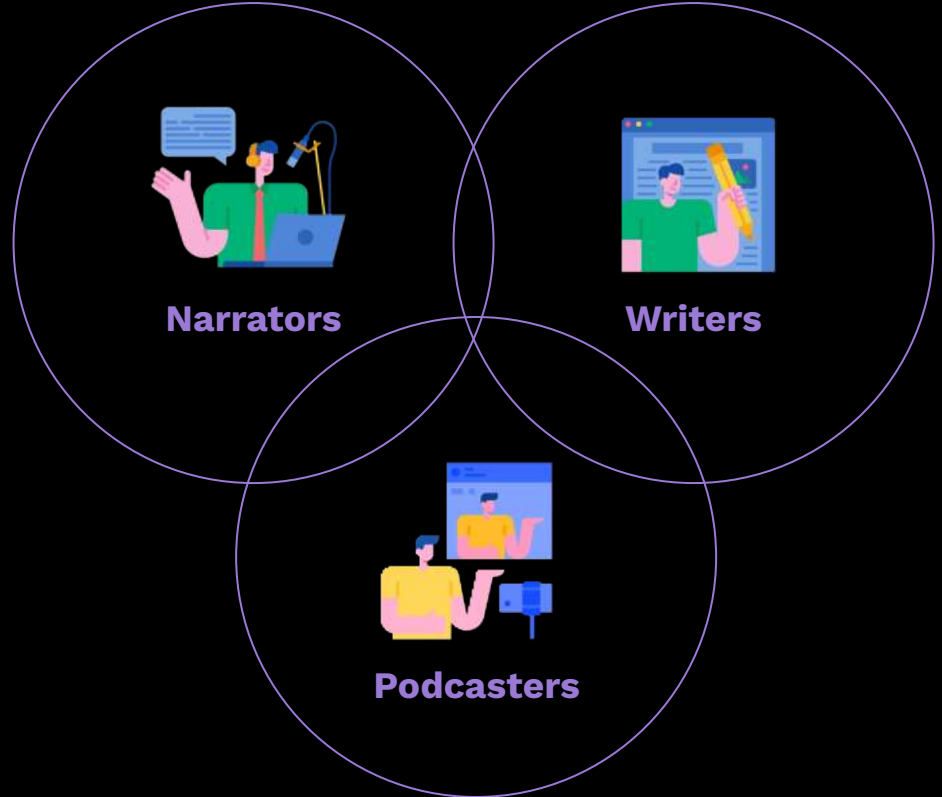
UGC = User Generated Content





# UGC Audiobook Creators

UGC Audiobook  
Creators **share content  
creation strategies  
with:**



# Problem Statements

**Authors proficient in narration** lack accessible tools and resources to enhance their audiobook creation skills.

**Authors uncomfortable with narration** lack user-friendly tools and suitable options for beginner-friendly audiobook production.



# Addressing the Issue

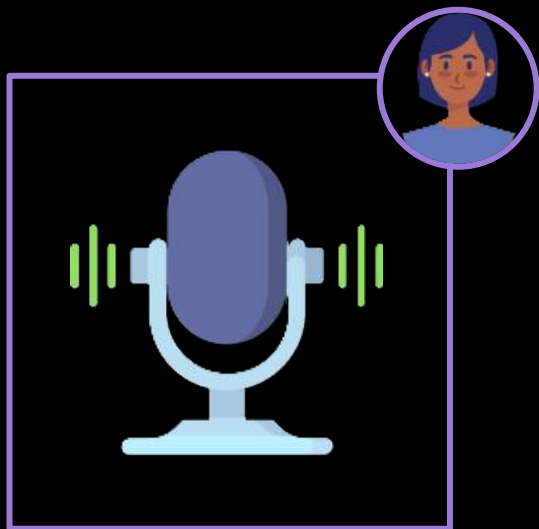
**Offer accessible, user-friendly tools and guidance** for both experienced and novice authors entering audiobook creation to enhance narration skills and aid beginners.

# Collecting insights from UGC Audiobook Creators

## Our Goals

1. **Conduct interviews** with UGC Audiobook creators producing different types of audio content
2. **Gather insights** and **understand pain points** between different roles, and how they overlap
3. **Discover gaps** in existing audiobook production processes for feature implementation

# Narrator Insights



## Methods Employed

### Punch & Roll

Allows the narrator to **correct mistakes by stopping, rewinding a short distance, and seamlessly resuming from that point** during recording

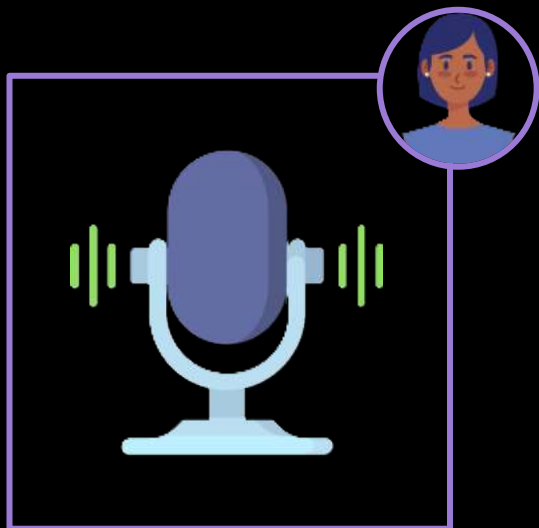
### Pronunciations

Consults a Dictionary/Thesaurus to **accurately pronounce** the words in the writing

### Annotations

Make **quick character notes that will aid** in the narration process

# Narrator Insights



## Narrator's Toolkit

Setup Environment

Optimal environment for a **noise-free recording at home**

Tools & Resources

Tools such as ACX, Audacity used to **create and publish audiobooks**

Fiction vs Nonfiction

**Process tweaks** in narration for these genres

# Podcaster Insights



## Takeaways

### Tools & Tactics

#### **Varied tools and approaches**

adopted by podcasters compared to narrators

### Editing Process

Most **time-consuming process** in order to create rich and engaging content

### Creative Strategies

#### **Unique value proposition**

Ensuring their content receives **visibility**



Authors uncertain about creating audiobooks



Creating rich audiobook content



**How can AI help?**



# How can AI help?

After synthesizing our insights through affinity diagrams, we saw opportunities with authors **learning to narrate** and authors **editing/processing their audio**.

AI can help **guide authors** through the audio creation process with **best practices**.

Authors can use AI for **editing assistance** no matter their **skill level**

# Recommended Features



## AI Guided Onboarding

An AI-driven tool assisting creators in the initial stages of the audiobook production



## Background Noise Reduction

Software designed to minimize unwanted background noise



## Microphone Distance Monitor

Tool providing real-time feedback on microphone positioning



## Text to Expression Analyzer

Assisting narrators in conveying appropriate emotions and expressions while narrating

# Recommended Features



## Pronunciation Guide

Providing guidance on the correct pronunciation of words or phrases within the script



## Digital Annotation & Highlighting

Software enabling creators to annotate and highlight sections of the audiobook script



## Automated Pacing Tool

Tool helping creators regulate and maintain consistent pacing narration



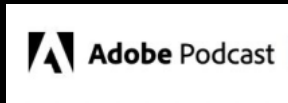
## Segmentation Tool

Division of audiobook content into segments or chapters for easier management and editing

# Competitive Analysis

## Goals

1. Compare AI editing tools across five AI platforms for audio editing features
2. Choose features that fit into our interviewees' vision for creating an audiobook



Adobe Podcast (Beta)



MyEdit



Descript



Auphonic



Altered AI

# Competitive Analysis Takeaways



Descript

## Best Features

- Speech to text
- Chapter markers to navigate through content



Auphonic

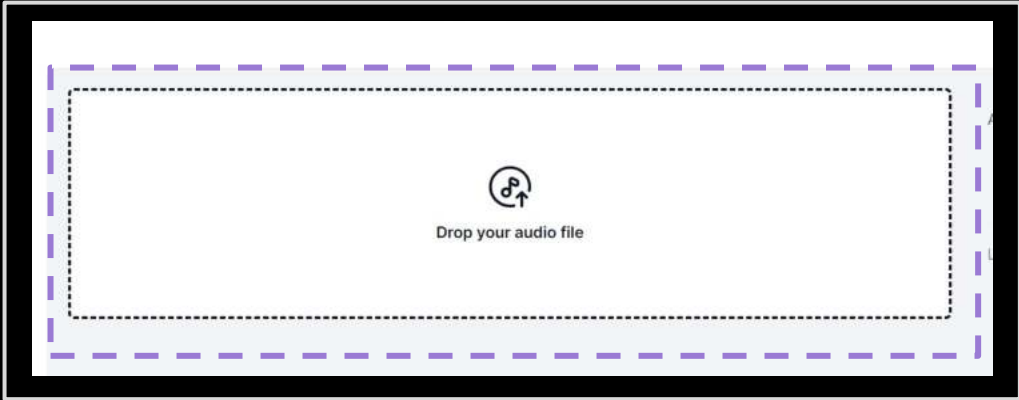
## Best Features

- Filler word removal
- Toggle for studio quality audio

The best features of Descript and Auphonic greatly influenced our **tool sketches and wireframes**

# Auphonic

Auphonic requires an audio file as it is solely an editing tool

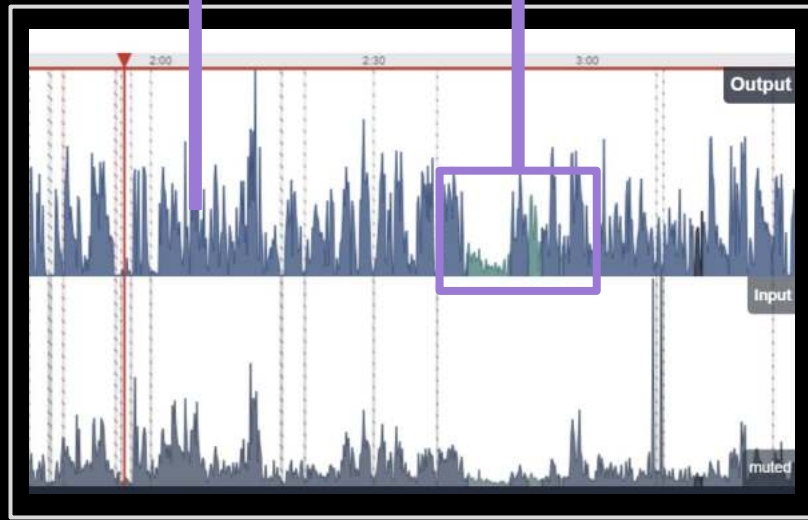


Preset: Remove noises and filler words

Can be confusing for beginners to understand what changes have been applied.

Enhanced output by increasing volume to match ideal levels of sound

Removed the background noises it deemed removable



# Auphonic

Your result files:

Filename	Type	Format	Bitrate	Length	Filesize	Download
MilkConvo.mp3	Audio	mp3	128 k	00:03:22.482	3.1 MB	<a href="#">Download</a>

The production was sent to the following services:

Service	Status	Target	Details
YouTube Server	Done	Vaishnavi Kuppa	<a href="#">Hide Details</a>

Result page:  
<https://www.youtube.com/watch?v=p0gUmqNJDRk>

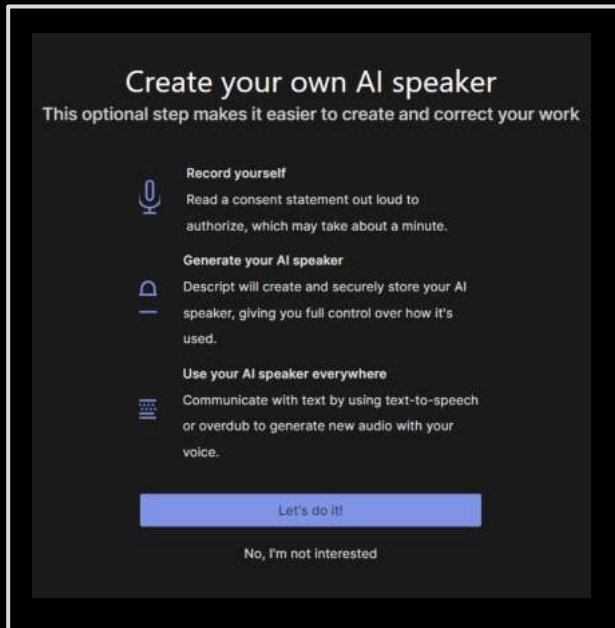
Automatically uploads to the YouTube or selected service after processing



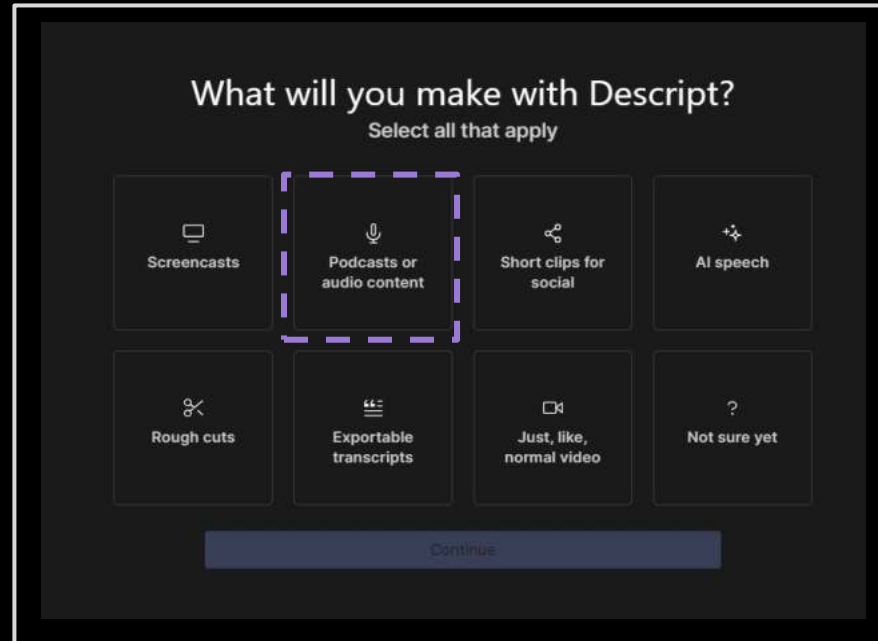
Does not offer pre-publishing edit previews

# Descript

Gives the option to opt in or opt out of AI voice generation



Onboarding included choosing the type of content you will input to curate the service for it





# Our Proposed Stages for UGCs



**Onboarding**



**Narration Teacher**

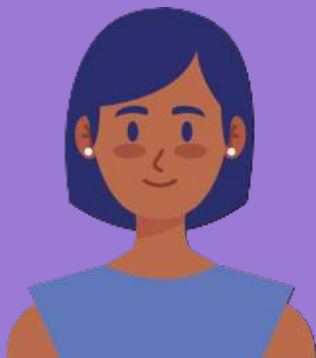


**Editing & Quality Assurance**



**Reaching Broader Audience**

# Meet Allison!



Allison - Author

- **Loves writing** as a hobby
- Wants to **extend her written works** by creating audiobooks
- Has **no idea where to start!?**

# Allison - Creating an Audiobook

## Pain Points



**Where to start?**

**Unsure** how to begin creating an audiobook

**How to Voice Act?**

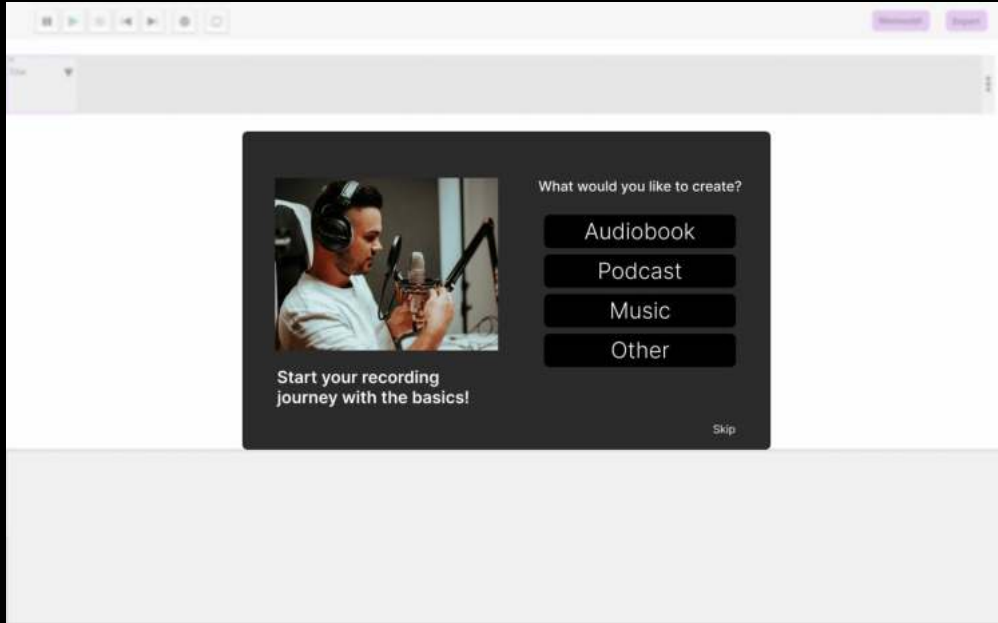
**Needs assistance in delivering** her character's lines

**Limited Budget**

**Mindful of her budget** in the tools and resources she invests in

# Wireframes – Onboarding

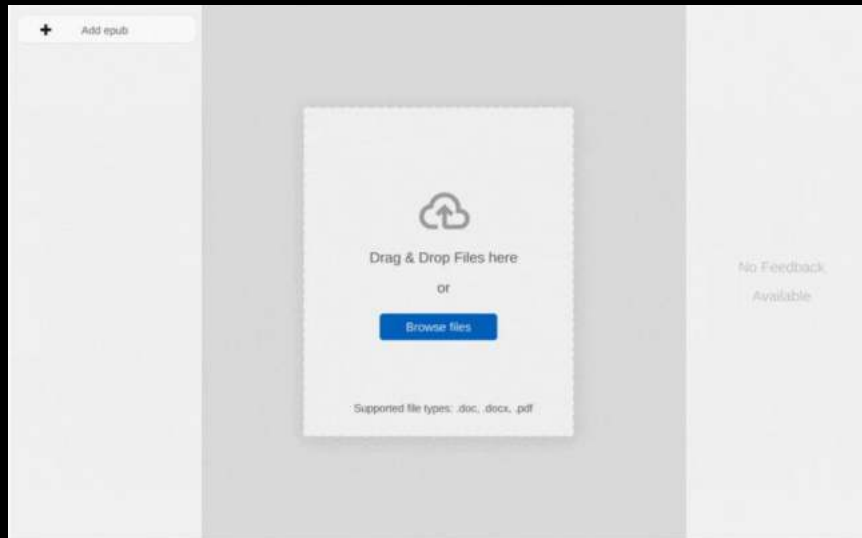
Many UGC creators **feel overwhelmed** with recording process



Allison feels **less confused** when starting her narration by following the onboarding screens

# Wireframes - Narration Teacher

UGC creators **struggle with shift in characters or pronouncing unfamiliar words** while recording, hence **have notes** while recording

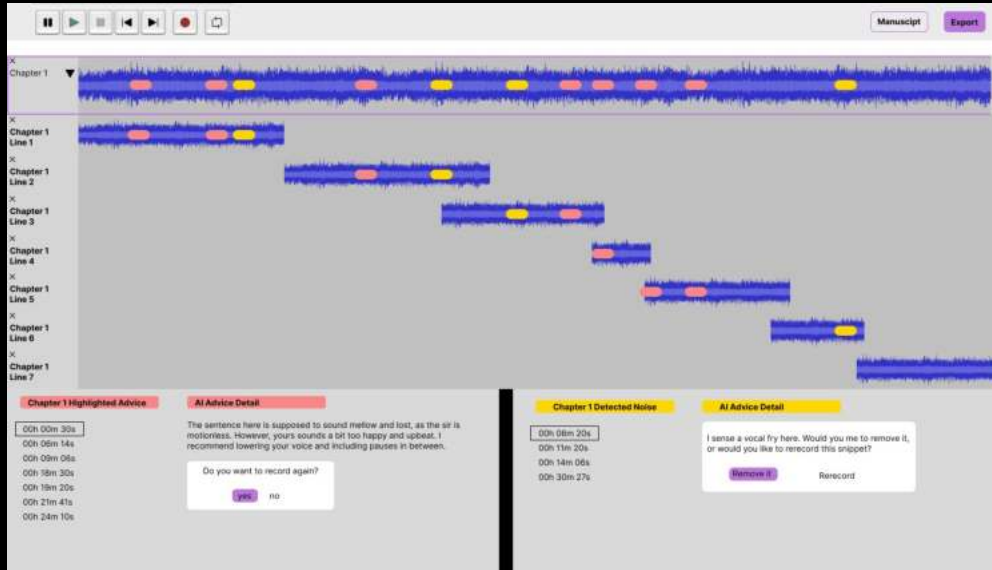


AI provides **pronunciation feedback and detects character shifts** before recording, along with **offering a space for notes**.

Allison **now feels confident** before she records. She can **easily go back to her notes** for recording, trying to achieve higher quality work

# Wireframes – Editing & Quality Assurance

Many UGC creators **spend most of their time editing**, slowing the creation process

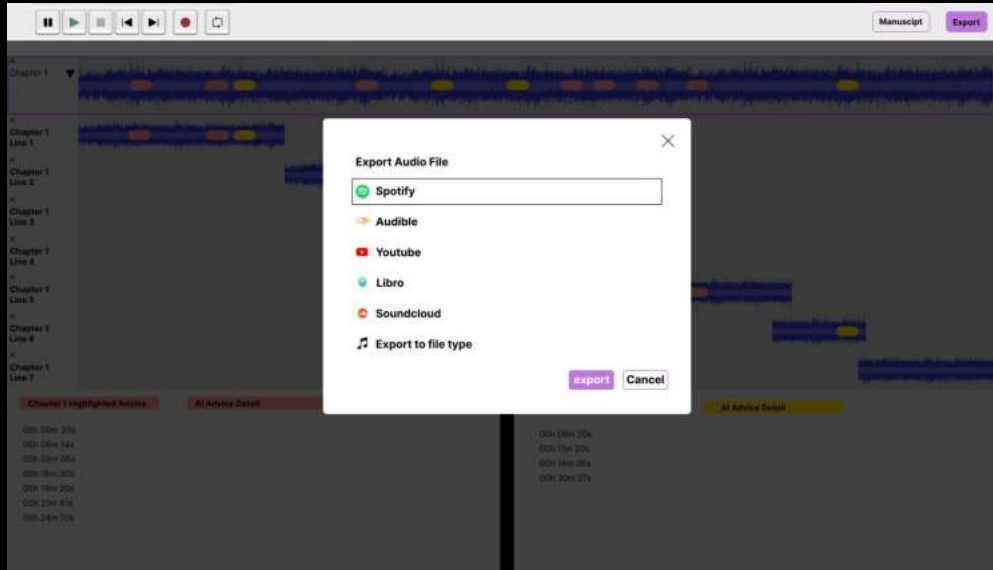


UGC creators **might struggle to know what a good narration might look like**

With AI-integrated suggestions, Allison can **receive advice** while recording and **easily edit** background noise or filler words, **reducing** her editing time

# Wireframes – Reaching Broader Audience

UGC creators want to **reach a broader audience** in order to succeed with their content creation



Identified **several platforms** where UGC creators **can upload** their content

Allison can now export audio files corresponding to the platform's supported formats **more quickly**

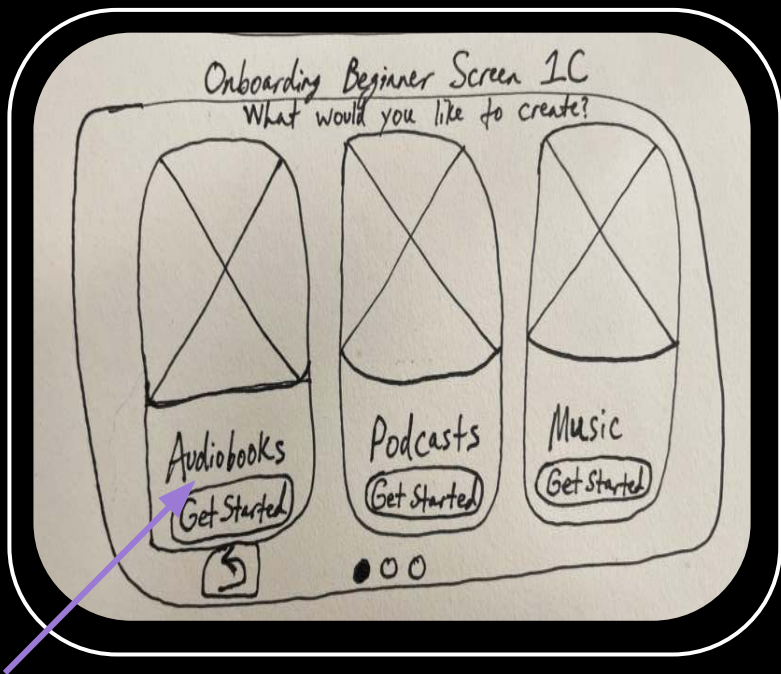
# User Testing - Concept

## Goals

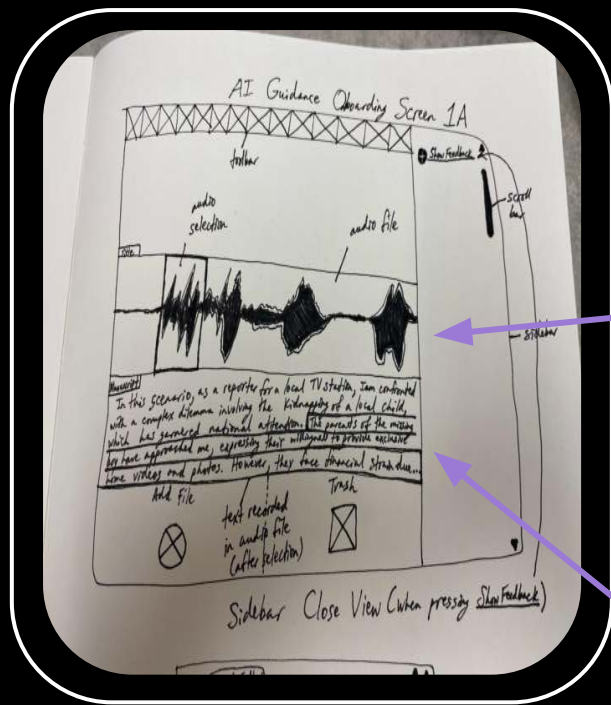
1. Validate how our tool's visuals/layout appear to writers/audiobook consumers
2. Adjust for different audio creation paths with tool



# User Testing - Concept



Different audio creation tutorials/onboarding



Audio waves for selection editing

Manuscript text selection

# User Testing - Concept

“

Having an AI chat bot pop up while onboarding & editing would help if I have questions

“

I worry about the distractions while recording

“

I think the narration helper should be before I select the microphone and record

“

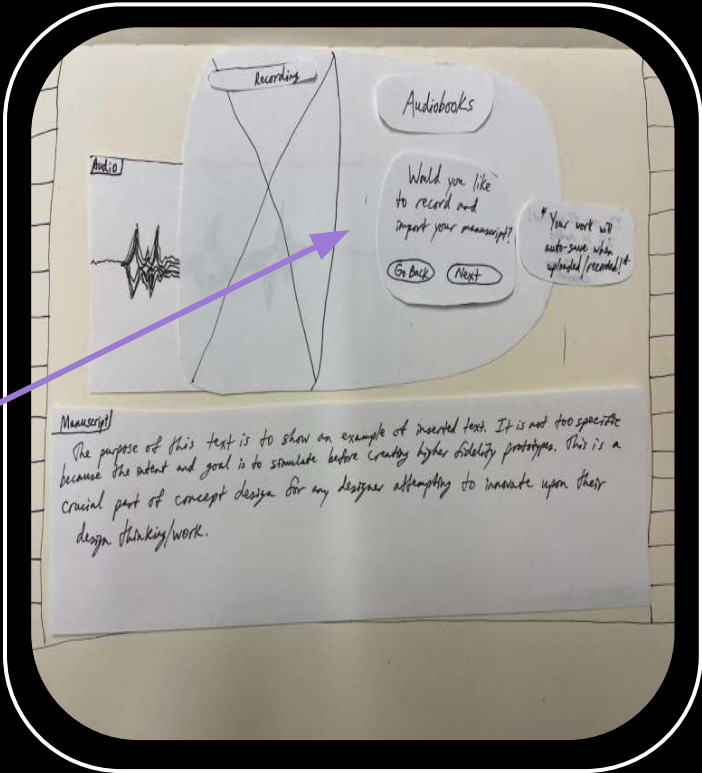
The ability to create a voice sample/memo would help with pronunciations

# User Testing - Usability

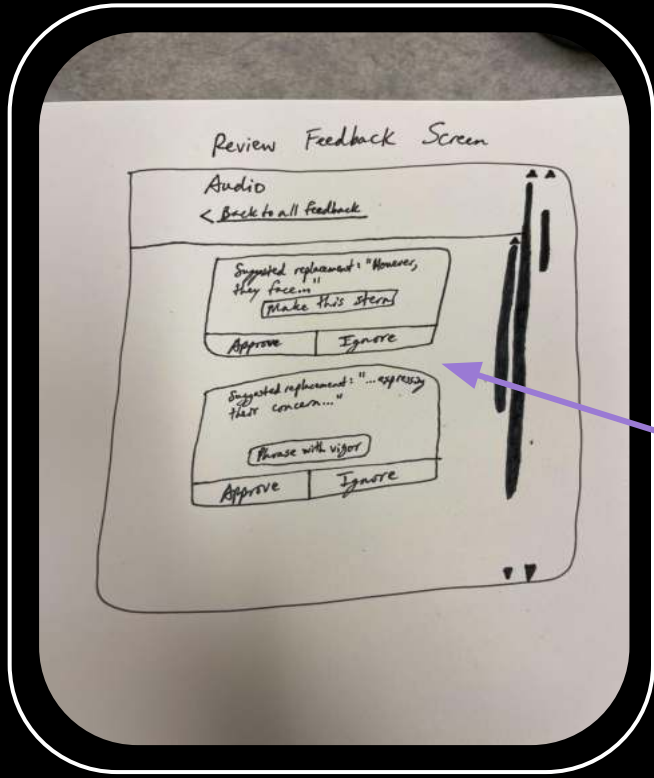
## Goals

1. Validate how our tool's stages assist UGC audiobook creators with potential users
2. Adjust and iterate upon user feedback when completing the audio creation process

# User Testing - Usability



Screen pop ups during each stage of tutorial



Audio feedback based on Packback correction feature

# User Testing – Usability

“

Will the AI give me suggestions based on the platform I upload to?

“

If I'm only recording some parts like chapters, can I save and pick up where I left off?

“

I tend to skip through a lot of tutorial screens when it's too information-heavy

“

Editing the manuscript in the interface makes more sense for podcasts, since they use it as an outline; it's not a word for word

# User Recommendations

1

Limit information/icon overload during all stages

2

Make saving & accessing files explicitly clear

3

Editing within the tool should be minimal

# Next Steps



Conduct end-to-end testing with UGC audiobook creators



Create high-fidelity mockup screens



Create real-time feature demo

**thank  
you!**



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