

# A6: Medium-fi Prototype

10/31

SparkBook

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# SparkBook

**“Spark your creativity.”**

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SparkBook

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Prototype**

## Problem

Artists struggle to effectively and quickly store all of their various sources of inspiration in a centralized and organized structure. This makes it harder for them to go back to these sources when they are creating art.

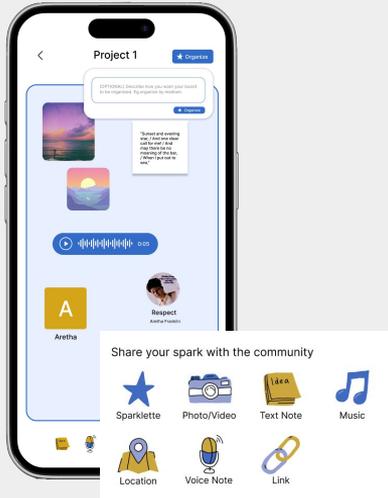
## Solution

A digital notebook that allows artists to store multimedia sources of inspiration while smartly organizing them based on their chosen categories.

# Values in Design

# Values In Design

**Value 1: Flexibility**- Artists are able to input various types of multimedia sources of inspiration and can choose how to best organize them.



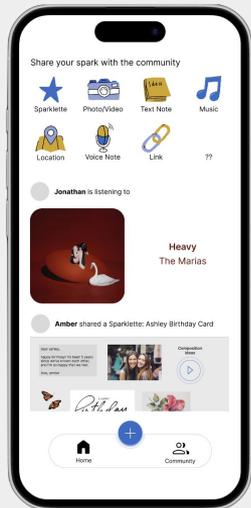
The sparklette page allows artists to add images, take a photo, files, notes, audio recordings, music, and a board.

The organize button allows artists to write exactly how they want the AI to organize their projects. They can manually arrange their sources themselves and make connections between them.



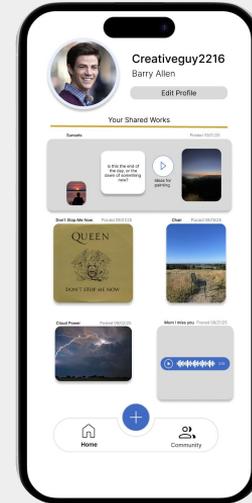
# Values In Design

**Value 2: Community** - Artists can share their inspiration and their finished works with others and view what others have shared.



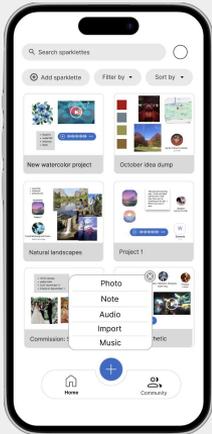
The community page allows artists to view others' works and inspiration and share their own.

Artists can view everything they've shared through their profile



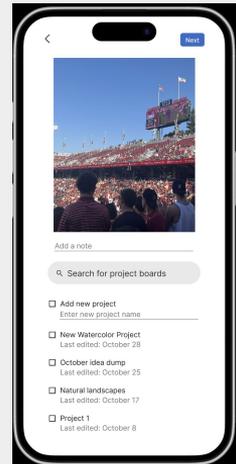
# Values In Design

**Value 3: Spontaneity** - Artists can record their inspiration in the moment—right when it comes to them.



The “Quick Add” button allows users to easily take a picture, record a note, record a voice memo, or use record any other source of inspiration they think of spontaneously

After documenting something, Sparkbook analyzes the contents of the media and suggests folders/projects to organize it into, or easily search for where to store it



# Tensions in Values

## **Tension 1: Flexibility + Spontaneity**

- How can we account for multiple preferences and workflows while keeping the app minimal and maintaining the ease of use that enables spontaneity?
  - Prioritize information in a hierarchy to make most common options accessible with alternative options secondary (drop downs)

## **Tension 2: Community + spontaneity**

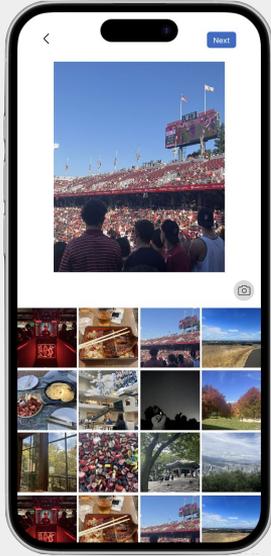
- To build community, we must foster a space where people can share ideas and grow together overtime, but we also want the user to be able to quickly achieve their goals in spontaneous moments
  - Separate community page from functionalities of Sparklettes

## **Tension 3: Community + community**

- A large value of artist is protecting the rights to their creation, how can we reinforce this while they share their creations with their community?
  - Attribute appropriate credits

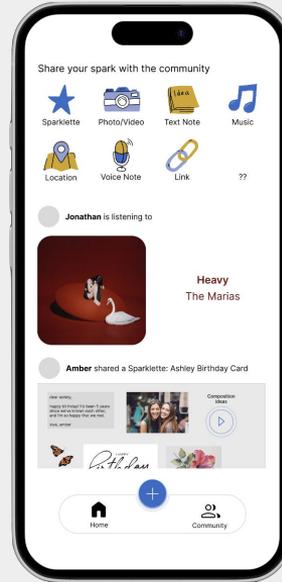
# Tasks

# Tasks



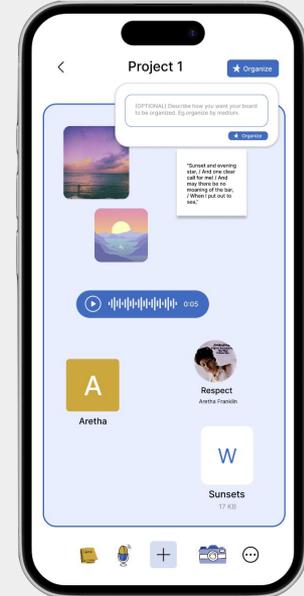
## Simple

Taking a photo of a spontaneous source of information and save it into a folder/project.



## Moderate

Viewing the social feed of other people's art and saving someone else's piece to one of your own inspiration folders



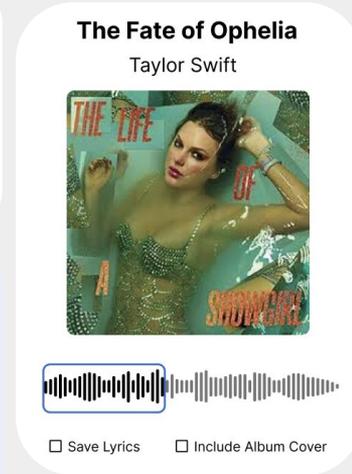
## Complex

Compiling the different multimedia forms of inspiration (music, notes, images, people, their own work, voice recording) in one place

# Usability goals and measurements:

Flexible: able to accommodate different artists' workflows, taking into account different sources of inspiration and organization preferences.

- Accept different medium inputs in the upload menu
- Customizable free form organization on the Sparklette
- Interactable elements from within Sparklette to support artists' organization
  - Linking sparks on a board
  - Saving songs as lyrics, album cover, or just the title

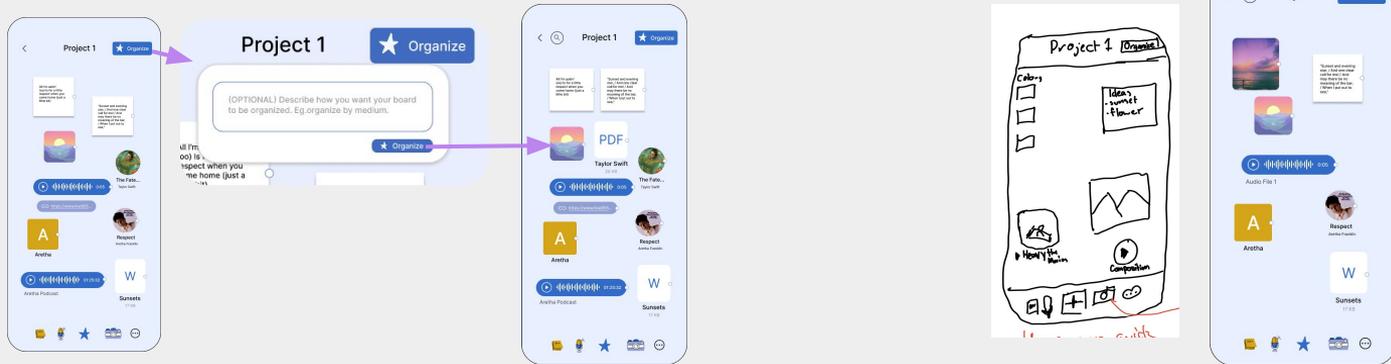


**Improvements:** How might we provide more cross-medium interaction (ie. turning audio notes into text/images, or text notes to images)? This will help a variety of artists further bridge the gap between inspiration sources.

# Usability goals and measurements:

Efficient: The user is able to easily perform key tasks throughout the app

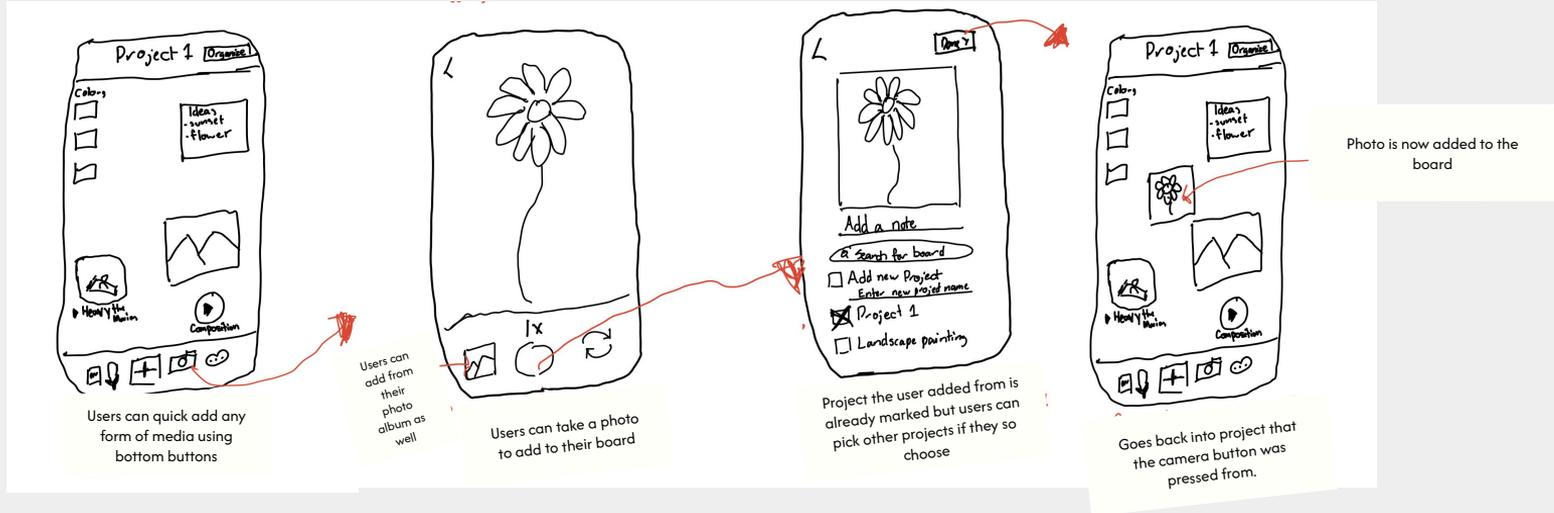
- Adding a spark must be accessible on any screen
- Streamlining the process of adding a spark within the project already to reduce clicks needed to add it
- Leverage AI to perform smart organization on sparks



**Improvements:** How can we save them even more time when onboarding? Can we pre populate some boards or smart recommend artifacts from their existing photos, notes, audio galleries? This will significantly increase the speed of onboarding and allow users to yield value earlier.

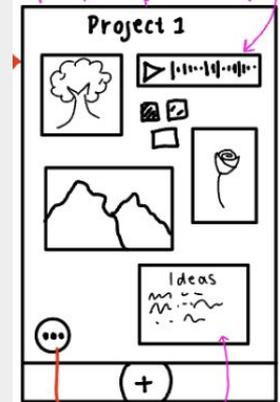
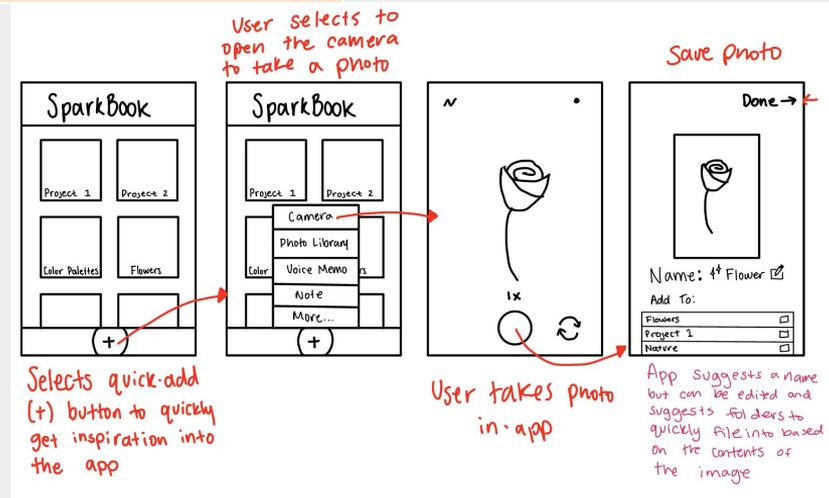
# Revised interface sketches

# Changes In Design 1



**Adding spark within board**- Artists are now able to easily add a spark directly into a project with less steps.

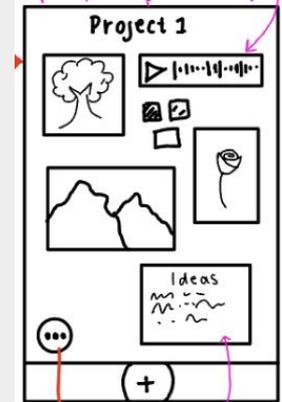
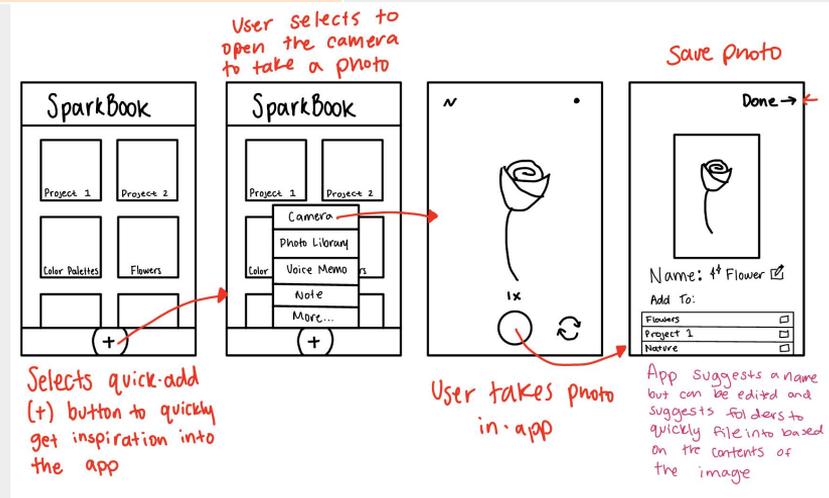
# Changes In Design 1



Same task flow when adding in a project as well

**Previously:** Users could only use the add button at the bottom of the screen to add a spark. This meant they had to first click the plus and then select media type. They had to select what project to add the media into even if they were already in the board.

# Changes In Design 1



Same task flow within project as well

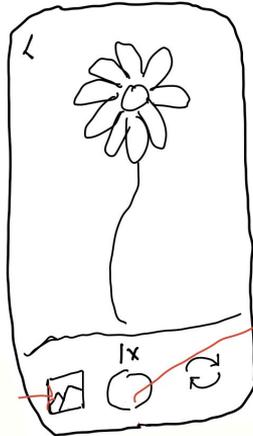
**Findings from Testing:** Users expected the Add button to let them add media more quickly than using the Home screen. One user was confused about why they had to re-select the project when saving to their board, since they had already navigated into that project before tapping Add.

# Changes In Design 1

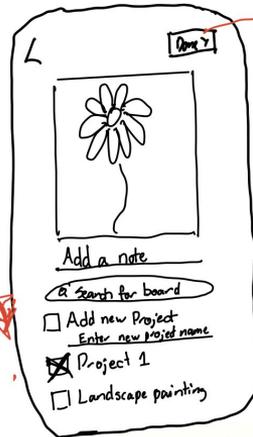


Users can quick add any form of media using bottom buttons

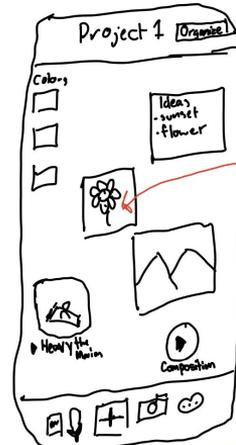
Users can add from their photo album as well



Users can take a photo to add to their board



Project the user added from is already marked but users can pick other projects if they so choose



Goes back into project that the camera button was pressed from.

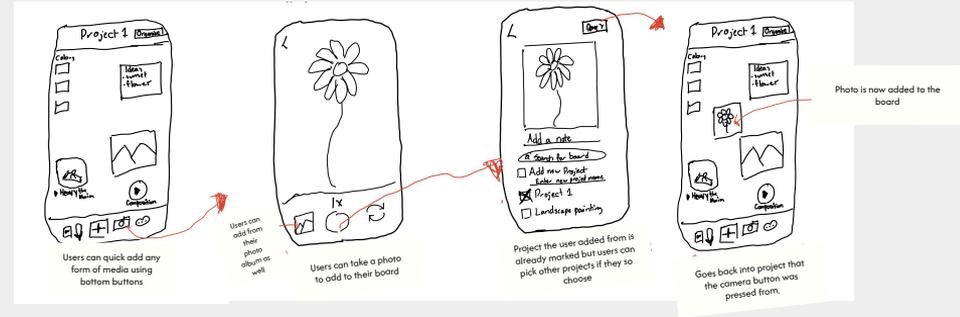
Photo is now added to the board

## New Design

# Changes In Design 1

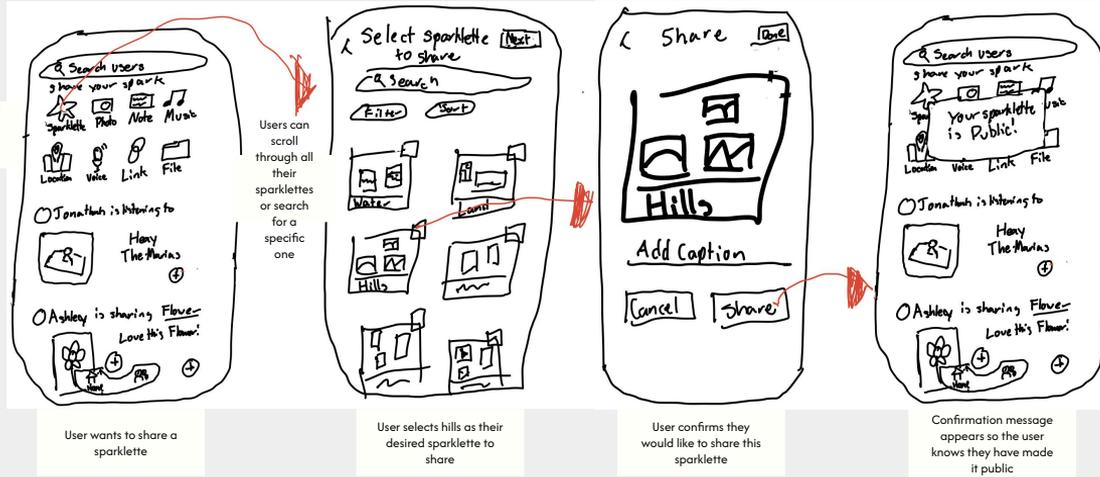
## How these changes help

- During user interviews, artists emphasized the importance of efficiency when organizing their work. They want to spend the most amount of time creating, not documenting inspiration.
- Our changes aim to condense the documenting process as icons at the bottom of the project make it extremely easy for artists to identify which media type they need to add
- New process eliminates the step of hitting the add button before the media type when in a project
- It also addresses the confusion our user felt when having to reselect the project as it is now automatically selected and goes back to the same board at the end.



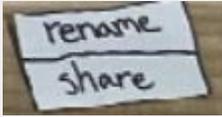
# Changes In Design 2

User can select from all media type options of what they would like to share

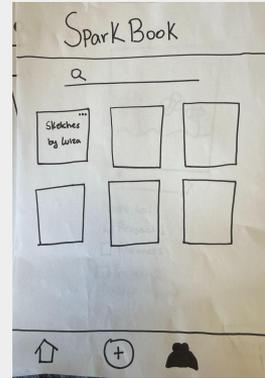
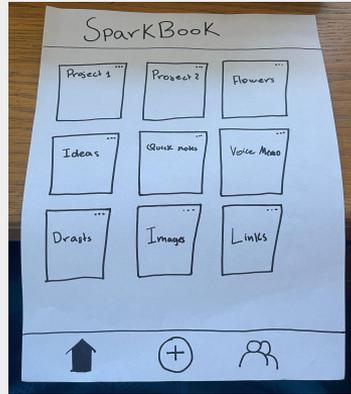


**Community Page**- Artists are now able to share by using the community tab instead of only having the option of sharing through the home page

# Changes In Design 2



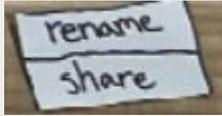
Users could share by hitting three dots on any project on homepage



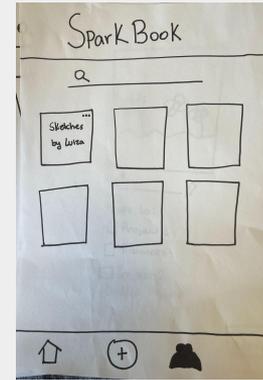
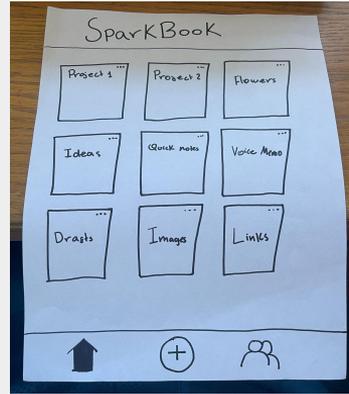
Community page only allowed users to view others' shared inspiration

**Previously:** Users had no option to share on the community page. The only way for a user to share was to go to the home page and select the three dots and an option to share would pop up.

# Changes In Design 2



Users could share by hitting three dots on any project on homepage

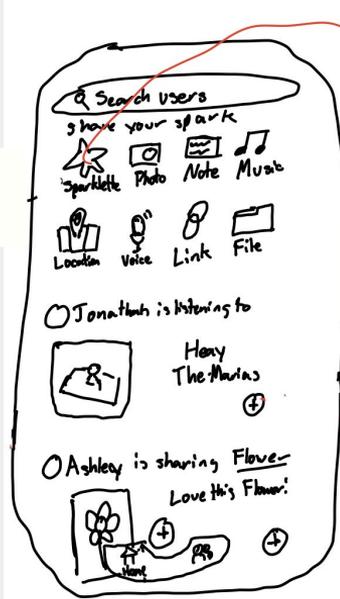


Community page only allowed users to view others' shared inspiration

**Findings from Testing:** Users tended to go to the community page when tasked with sharing a sparklette. It wasn't an intuitive connection to share from the home page rather than the community page. One user specifically said they wanted to share from the community page.

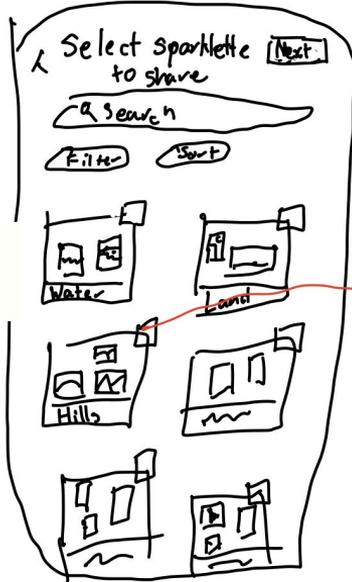
# Changes In Design 2

User can select from all media type options of what they would like to share

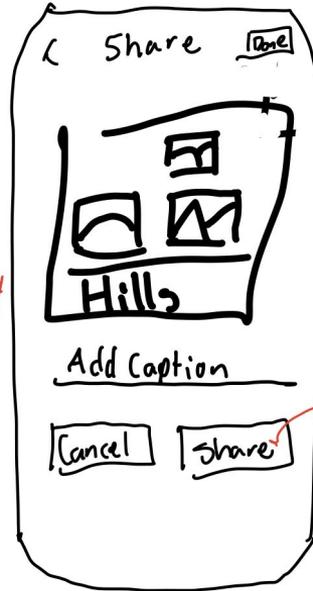


User wants to share a sparklette

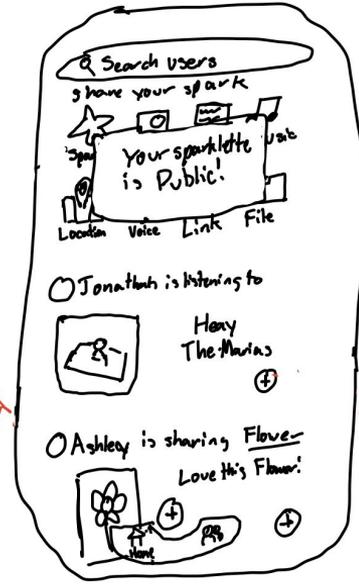
Users can scroll through all their sparklettes or search for a specific one



User selects hills as their desired sparklette to share



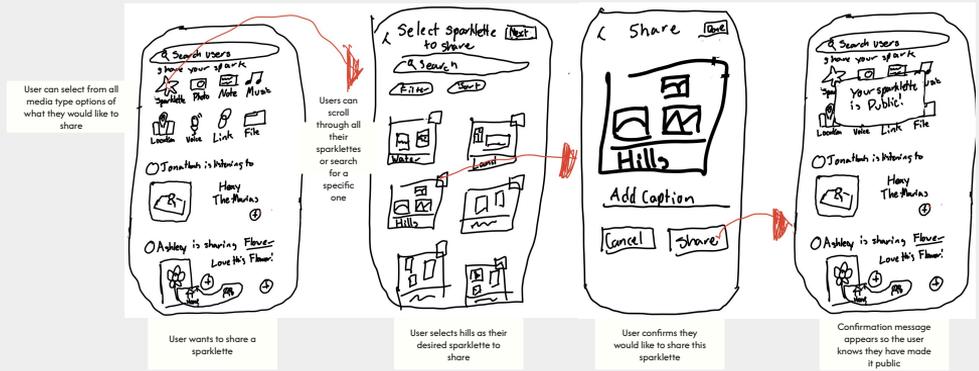
User confirms they would like to share this sparklette



Confirmation message appears so the user knows they have made it public

## New Design

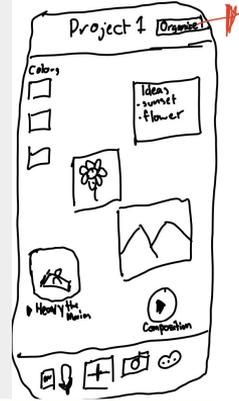
# Changes In Design 2



## How these changes help

- Since most testers went to the community page first when attempting to share, this new change would solve this connection issue since community would now allow a user to share their own work
- This also directly addresses the suggestion from one of our testers for an ability to share from the community page
- It also adds a new intuitive connection to make our app easier to use.
- This change is also consistent with our ease of use as now a user can see how to share all forms of media in a very easy to understand way

# Changes In Design 3

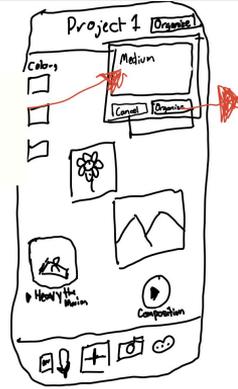


User selects organize

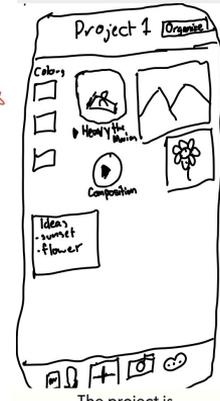


User is prompted to give a prompt for organization

The organization button will use ai to help organize a board however an artist might desire



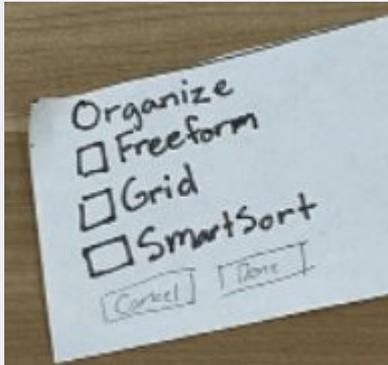
User puts medium as their desired organization method



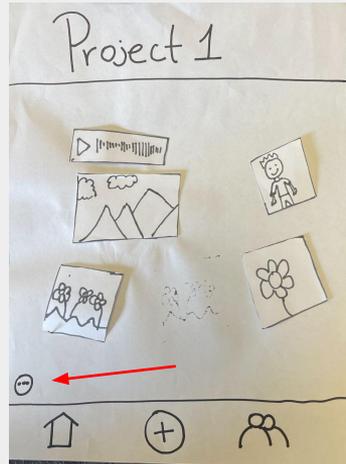
The project is automatically organized to match the desired prompt

**Organize Button**- Organize button changed to clearly be labeled and at top of project. It also clearly uses AI to organize as it only requires a prompt.

# Changes In Design 3



Clicking the three dots brought up this menu

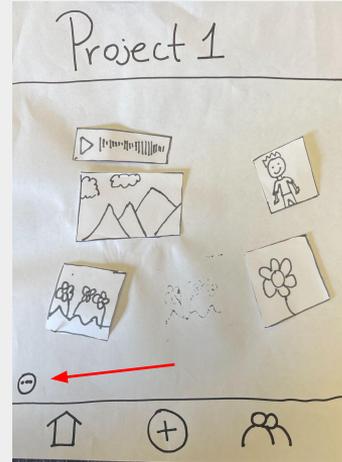


**Previously:** The button to reorganize was labeled with three dots. This button was located in the corner of the project and brought up a menu with several options. It wasn't very clear why it was useful compared to organizing it manually.

## Changes In Design 3

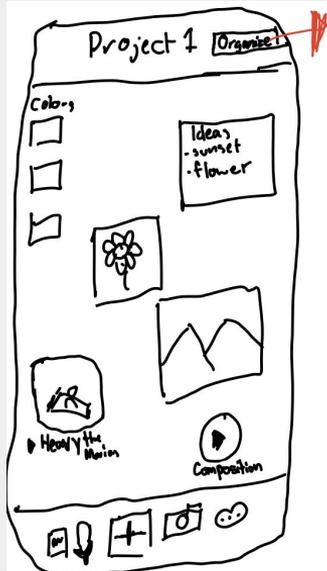


Clicking the three dots brought up this menu

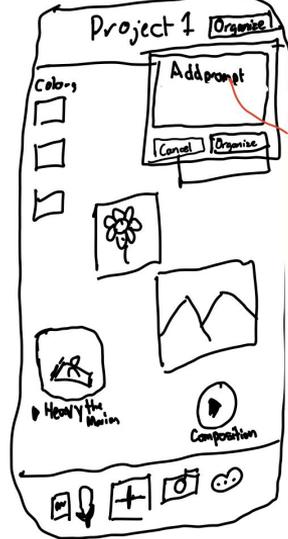


**Findings from Testing:** Only one user found the organize button without any additional prompting. Two users didn't click it at all during the test. Users thought the only option was to organize it by hand. The button was not clear to them.

# Changes In Design 3

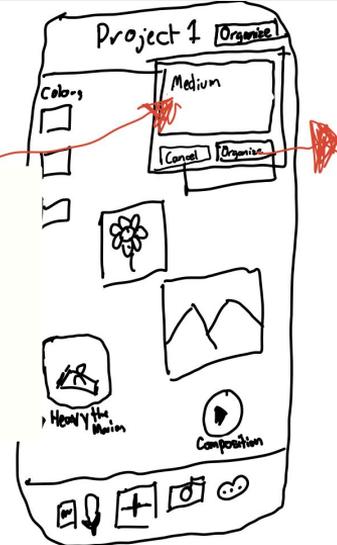


User selects organize

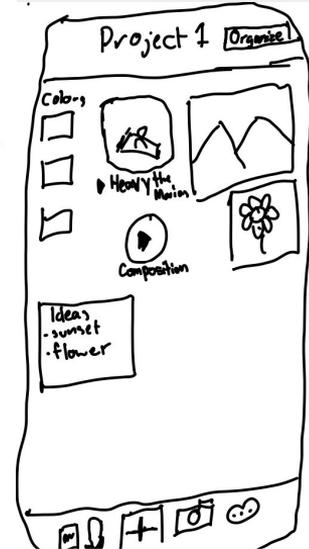


User is prompted to give a prompt for organization

The organization button will use ai to help organize a board however an artist might desire



User puts medium as their desired organization method

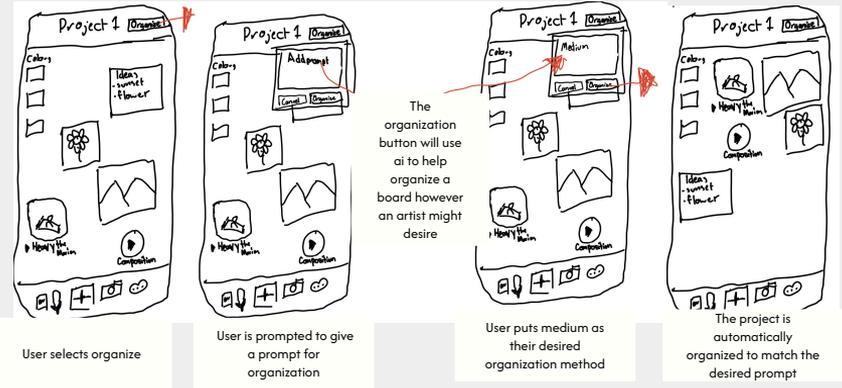


The project is automatically organized to match the desired prompt

# Changes In Design 3

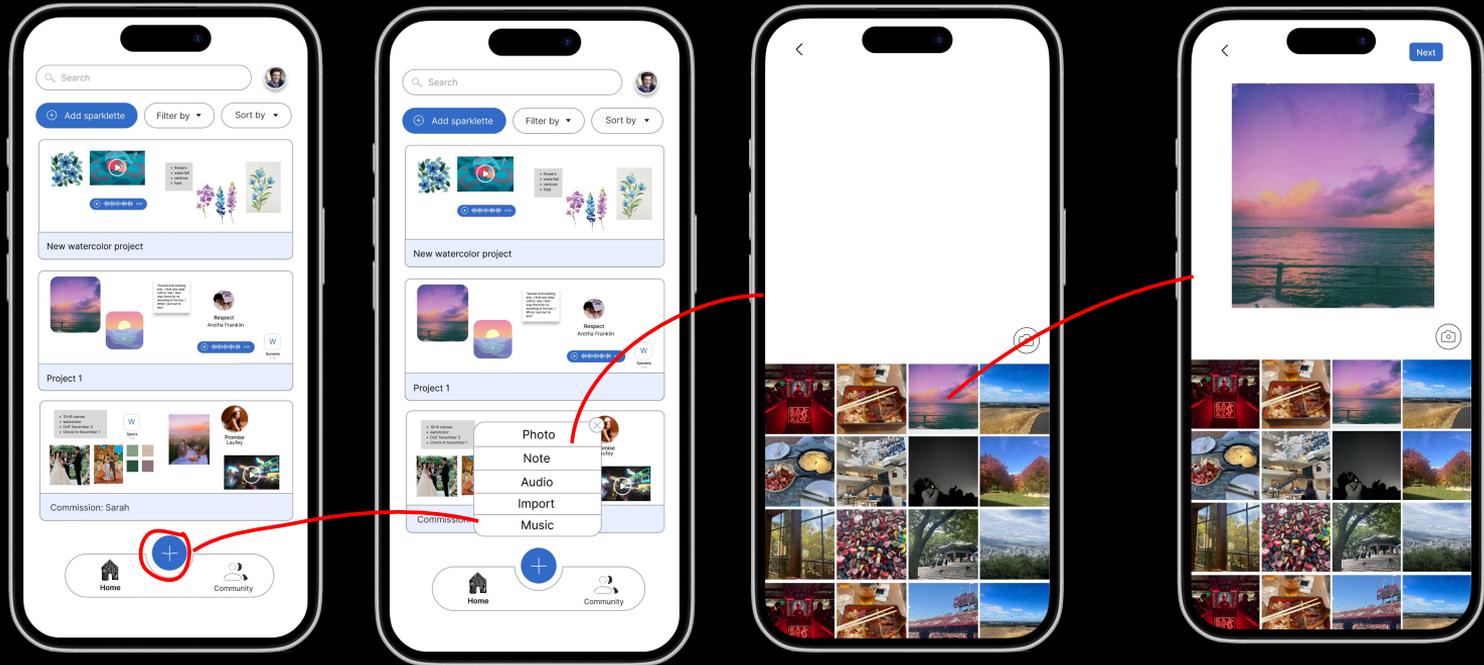
## How these changes help

- This change would make the organize button very clear to see as it would just be labeled organize which was a huge issue during testing as no one could find it
- If users were tested with our new prototype, they would easily be able to find this button if asked to organize as it is much easier to see and figure out what it does than the dot design
- The new way to organize helps emphasize that ai can be used to organize a project, saving artists time and energy



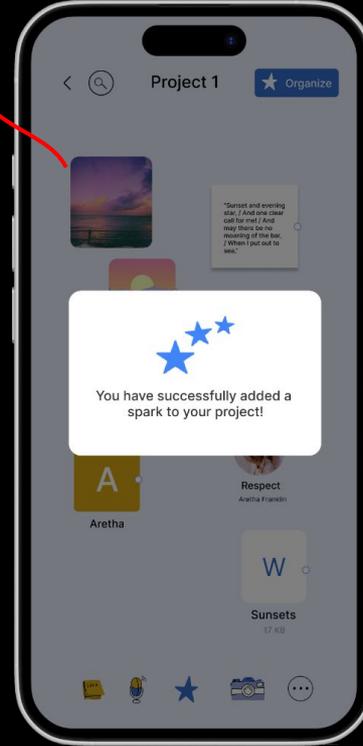
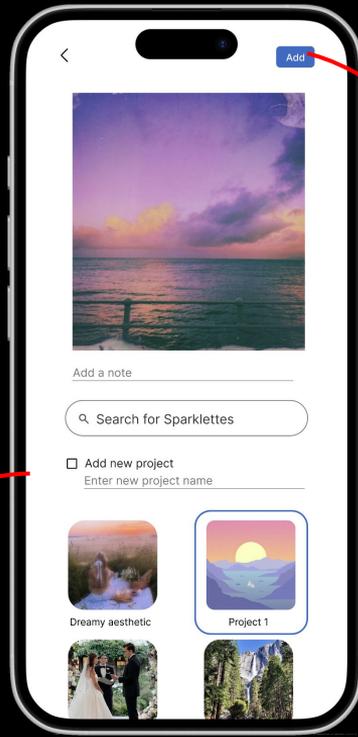
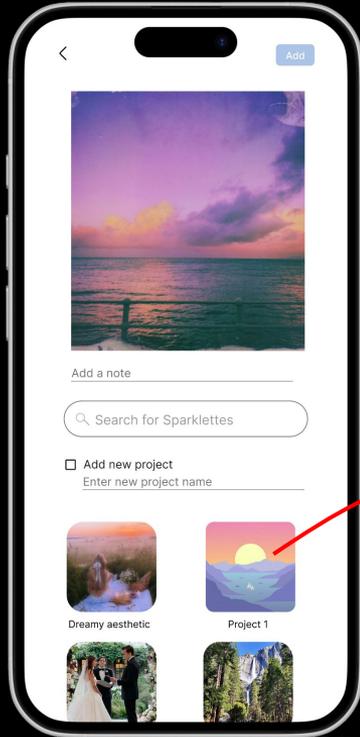
# Medium-fi task flows

# Simple task: Adding a source of inspiration



By clicking on the blue plus button, an overlay will appear allowing you to pick what source of inspiration you want to add

# Simple task: Adding a source of inspiration

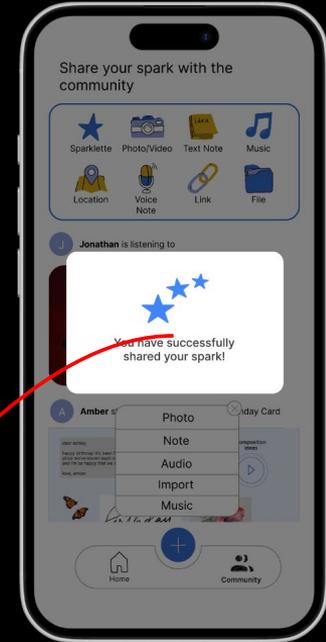
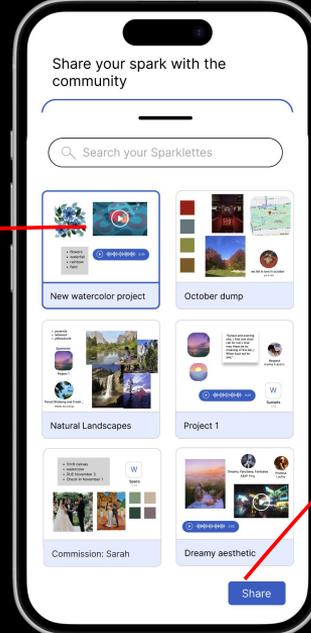
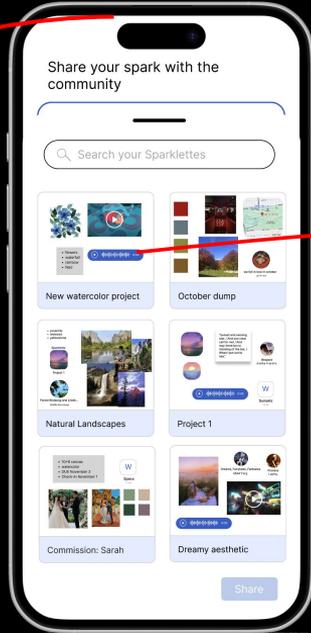
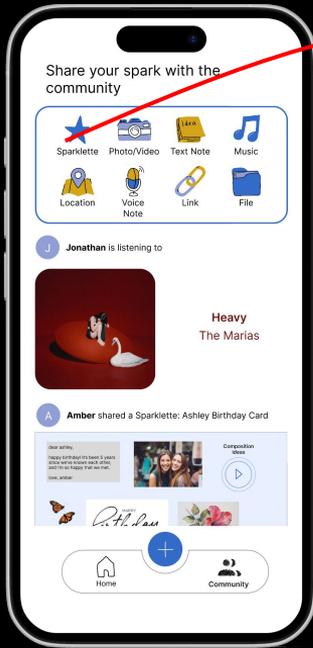


After  
2  
seconds

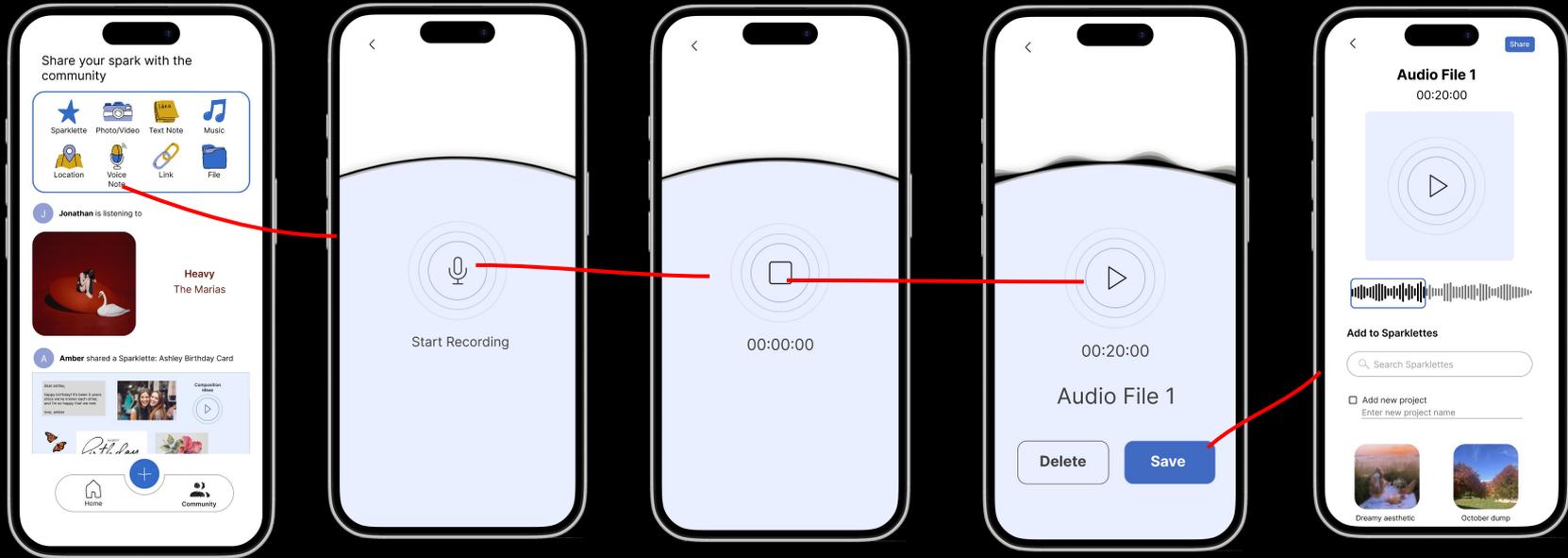


# Moderate task - Sharing your spark with the community: Sparklette

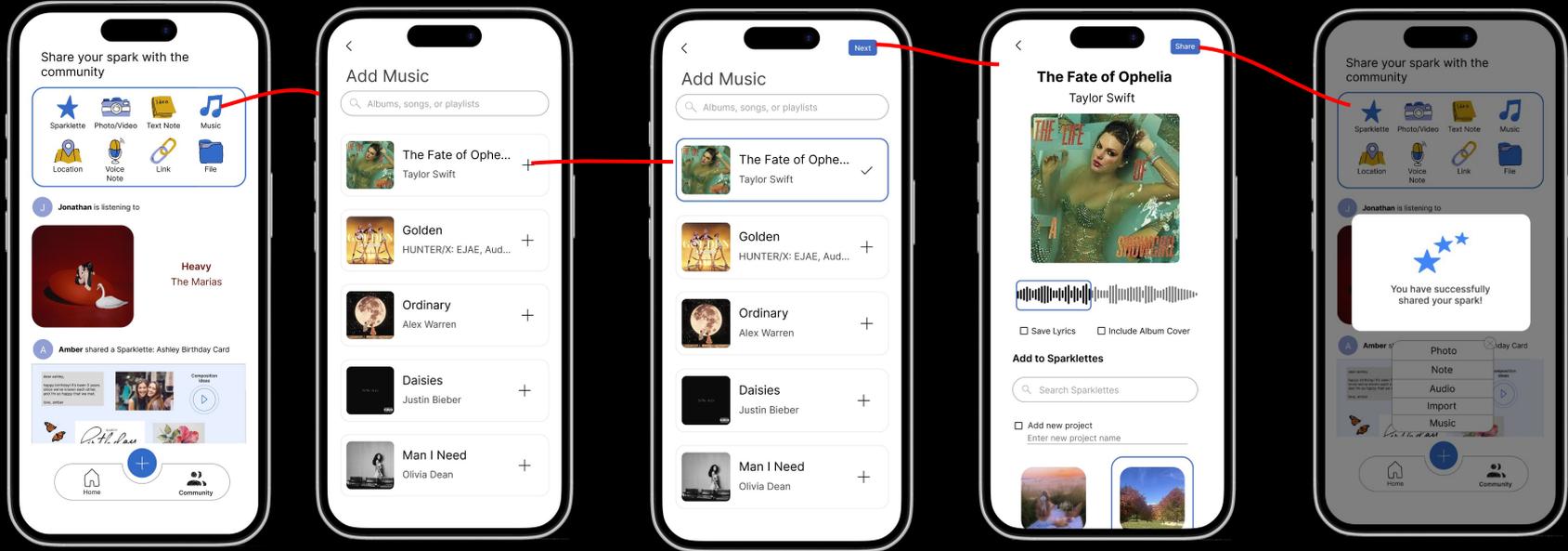
You can share various sources of inspirations with the community, we will show you examples of how you can share them



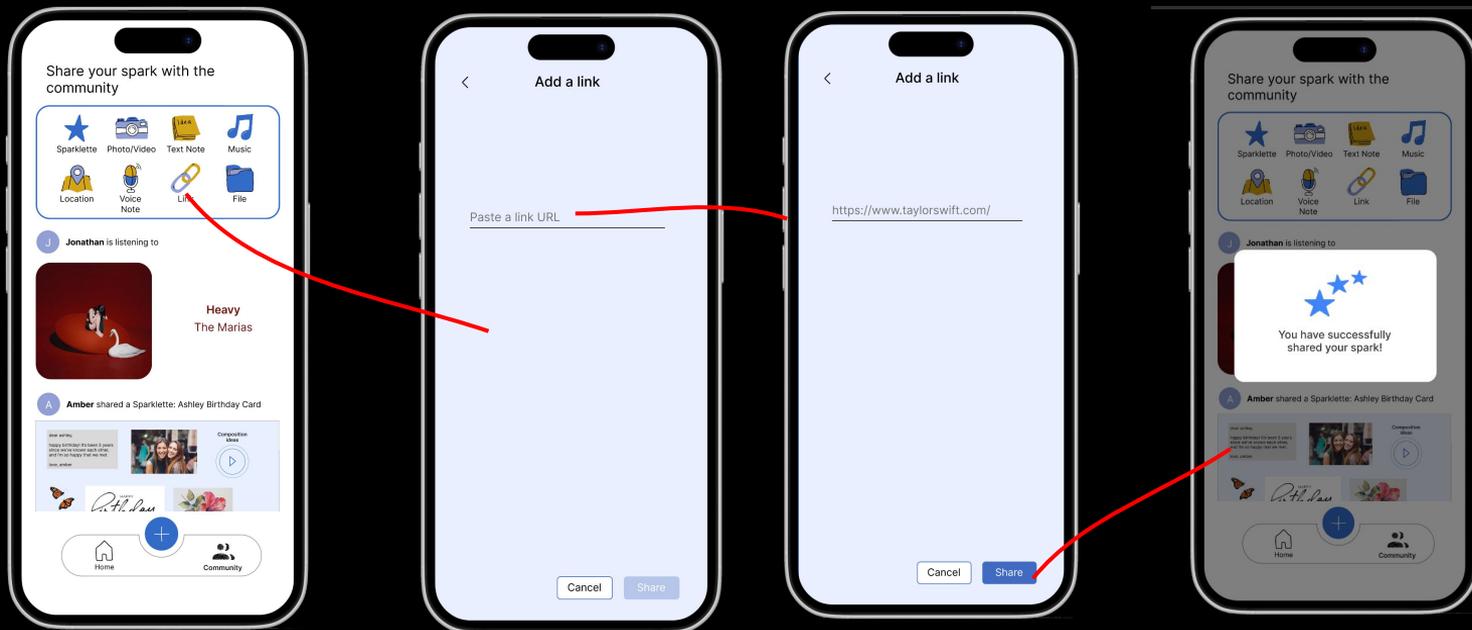
# Sharing a voice recording



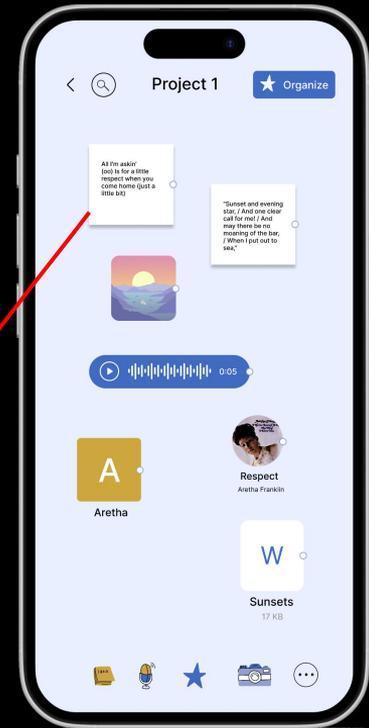
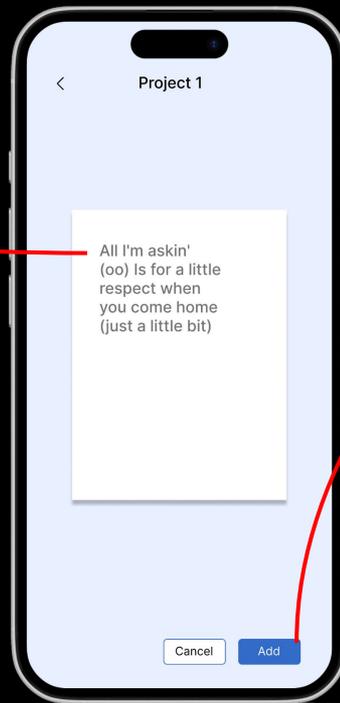
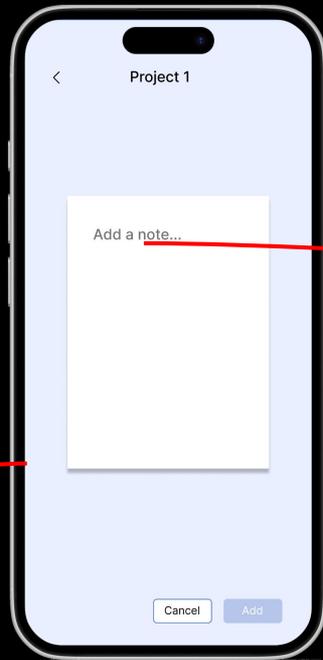
# Sharing music



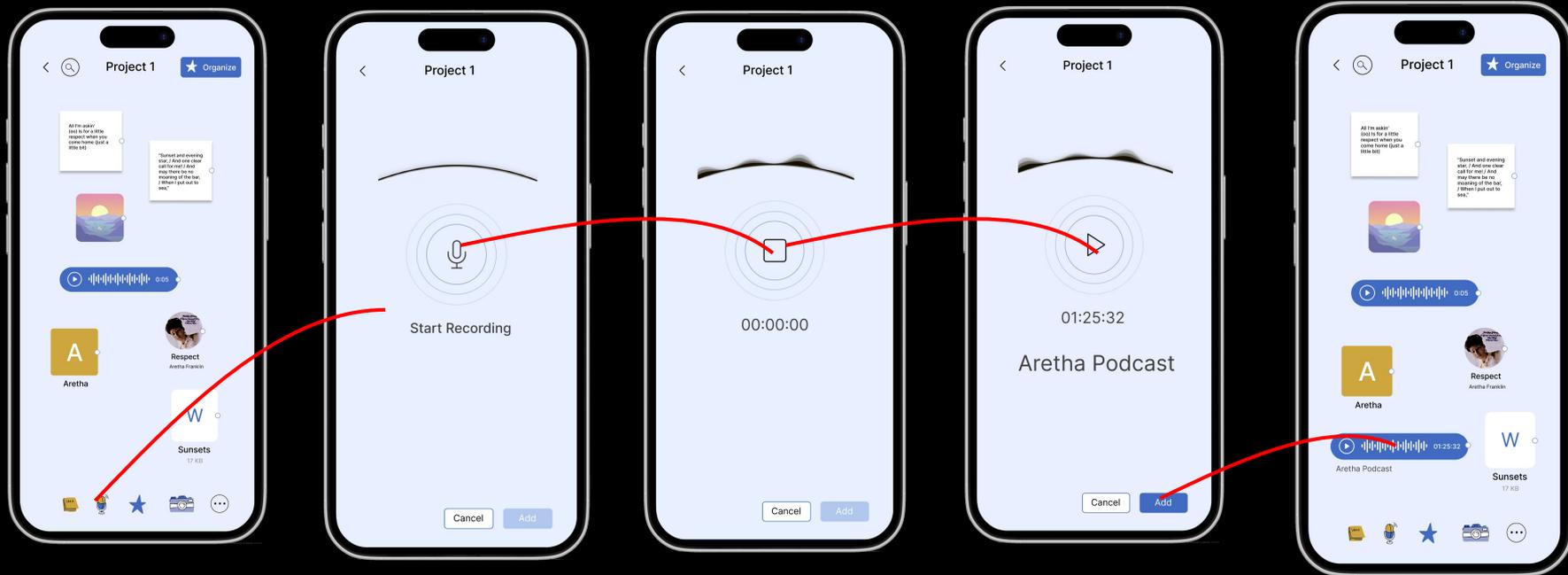
# Sharing a link



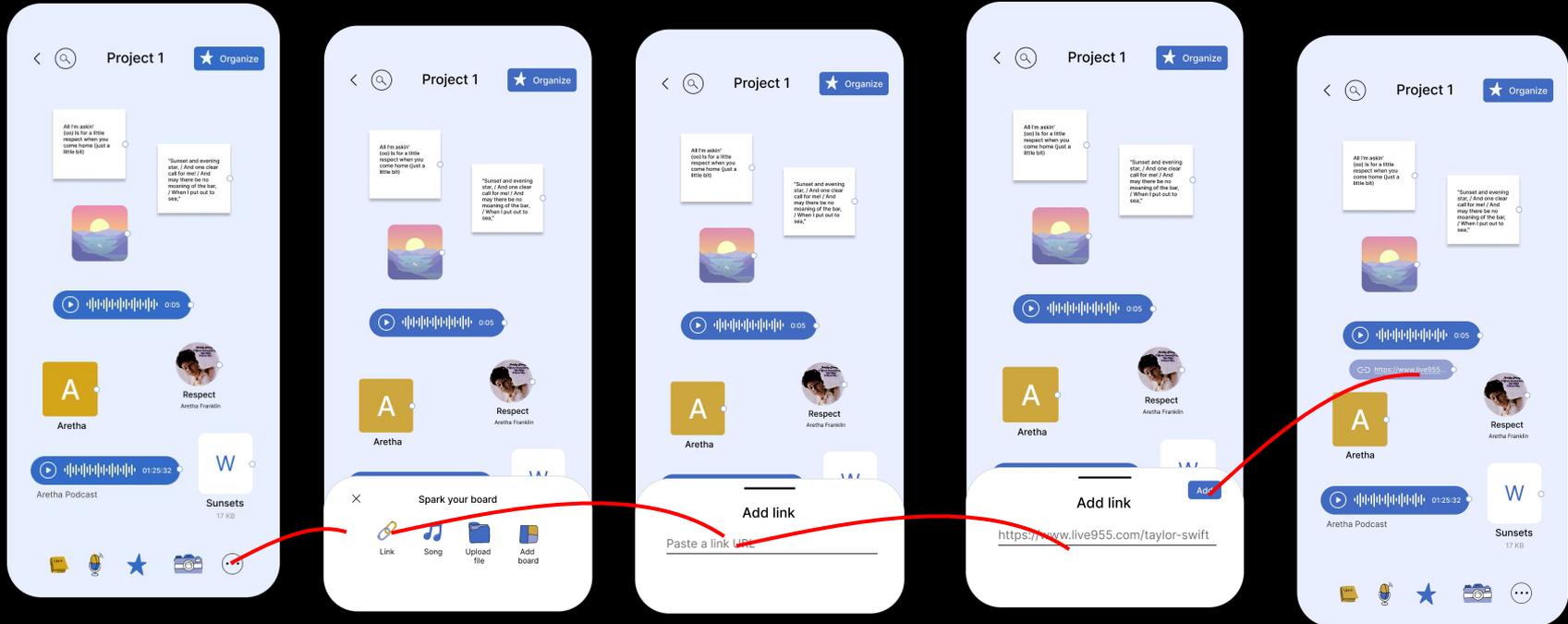
# Complex task - Compiling and organizing multimedia inputs: Adding a note



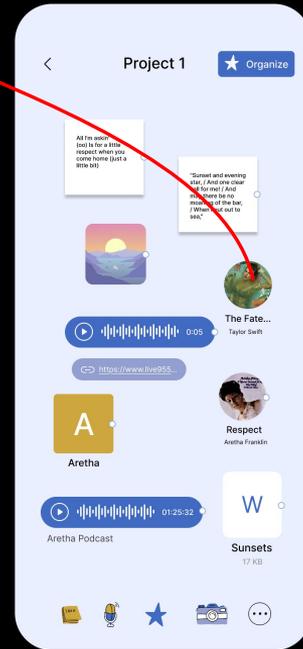
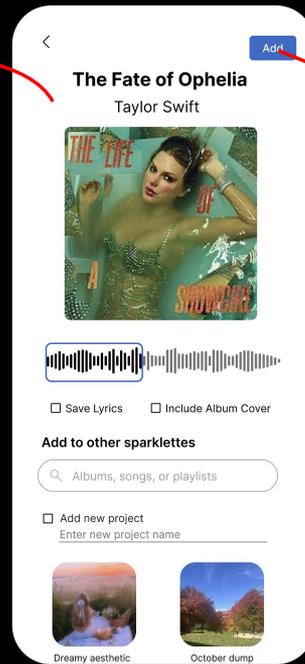
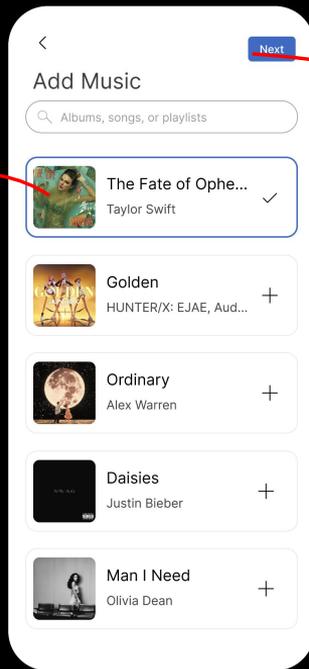
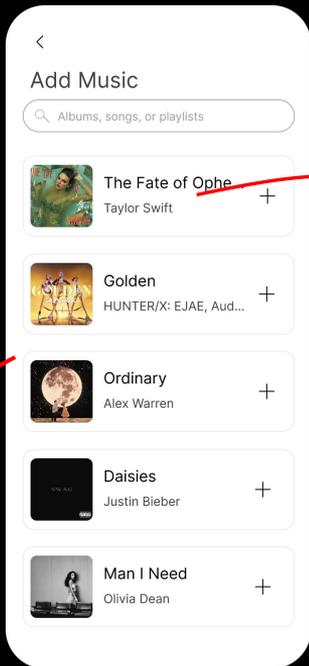
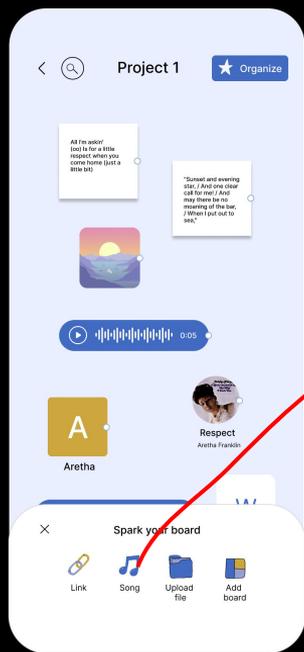
# Adding a recording



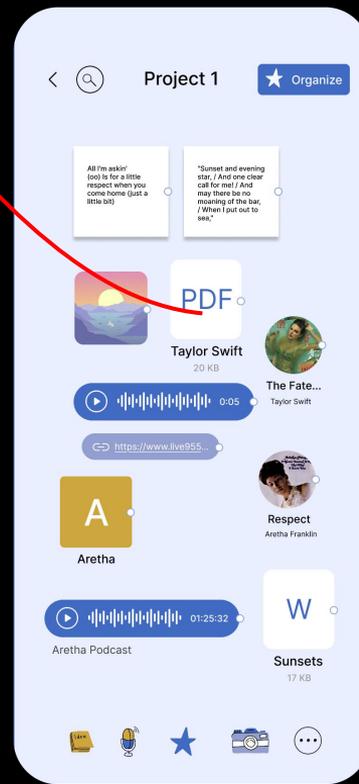
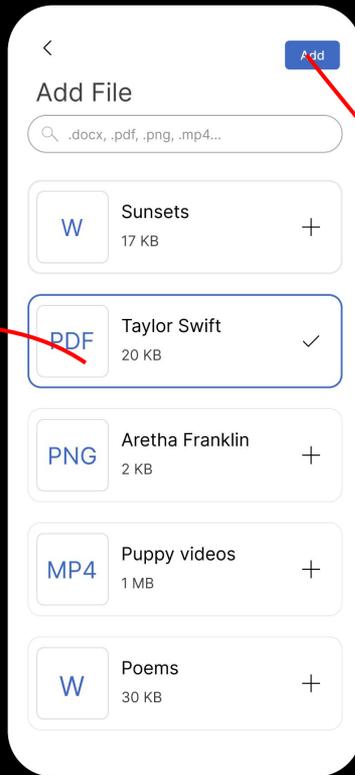
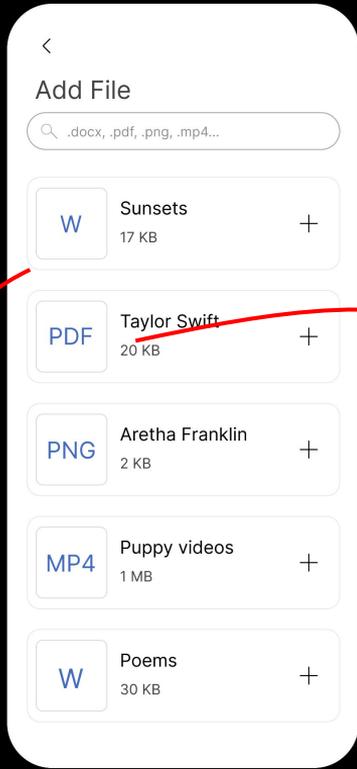
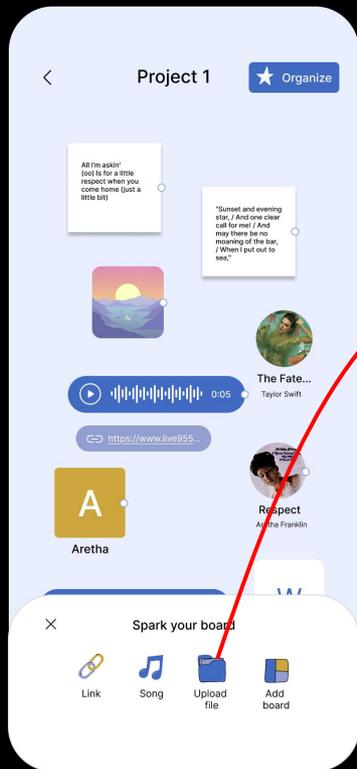
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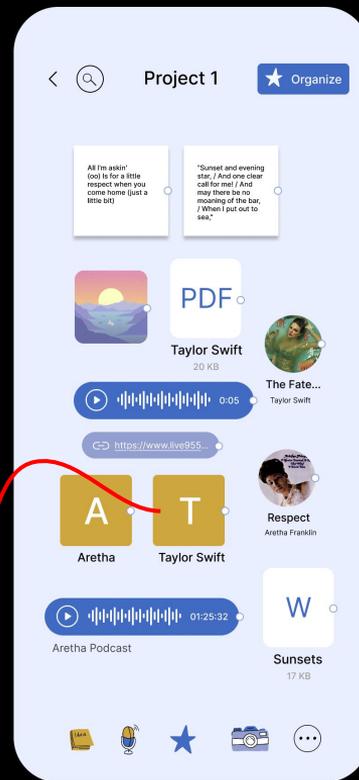
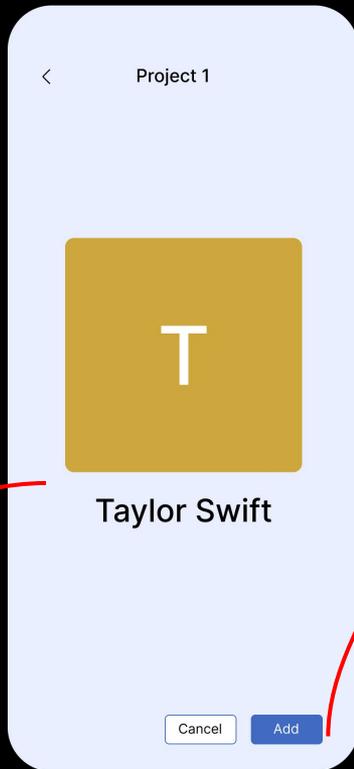
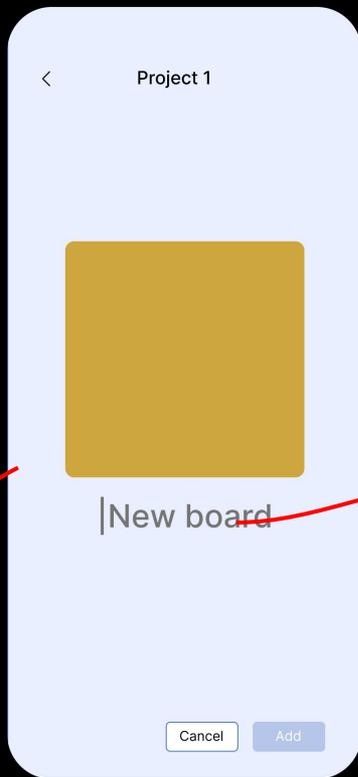
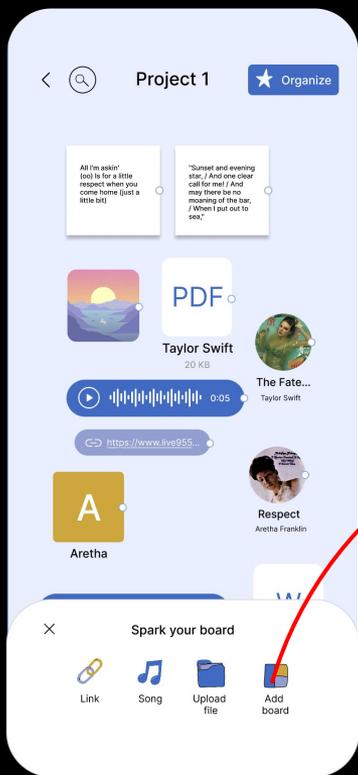
# Adding Music



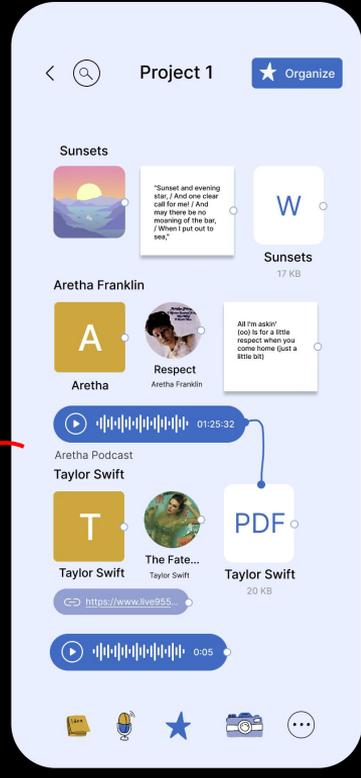
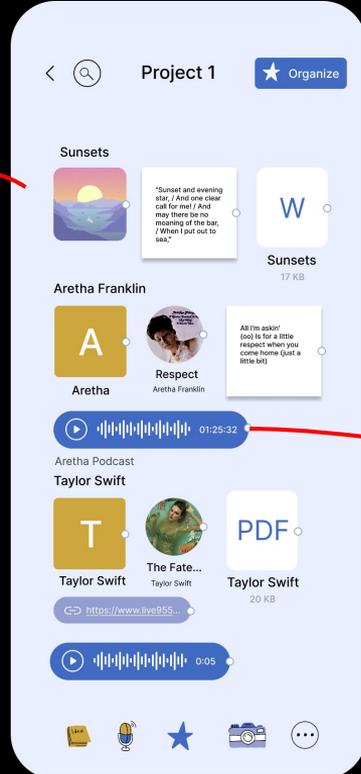
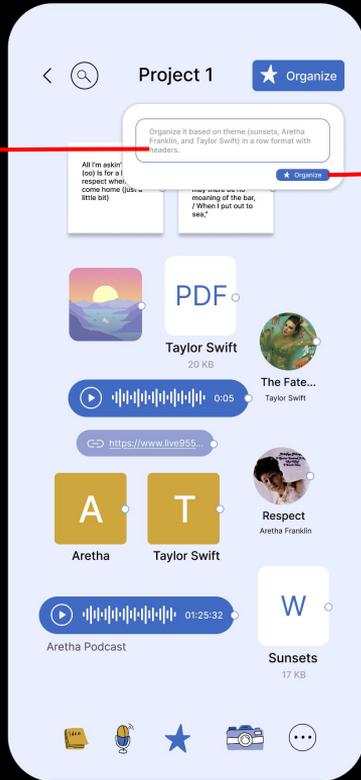
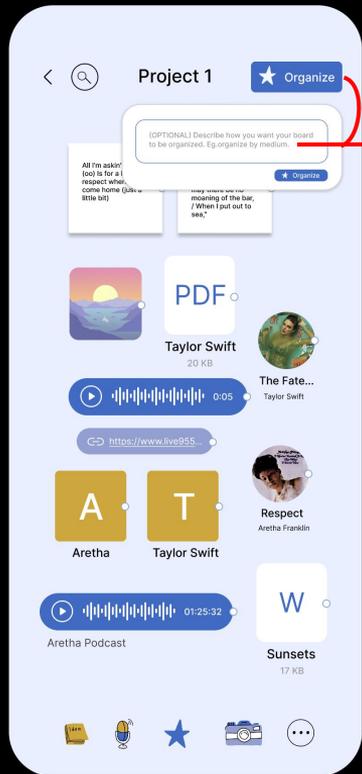
# Adding a file



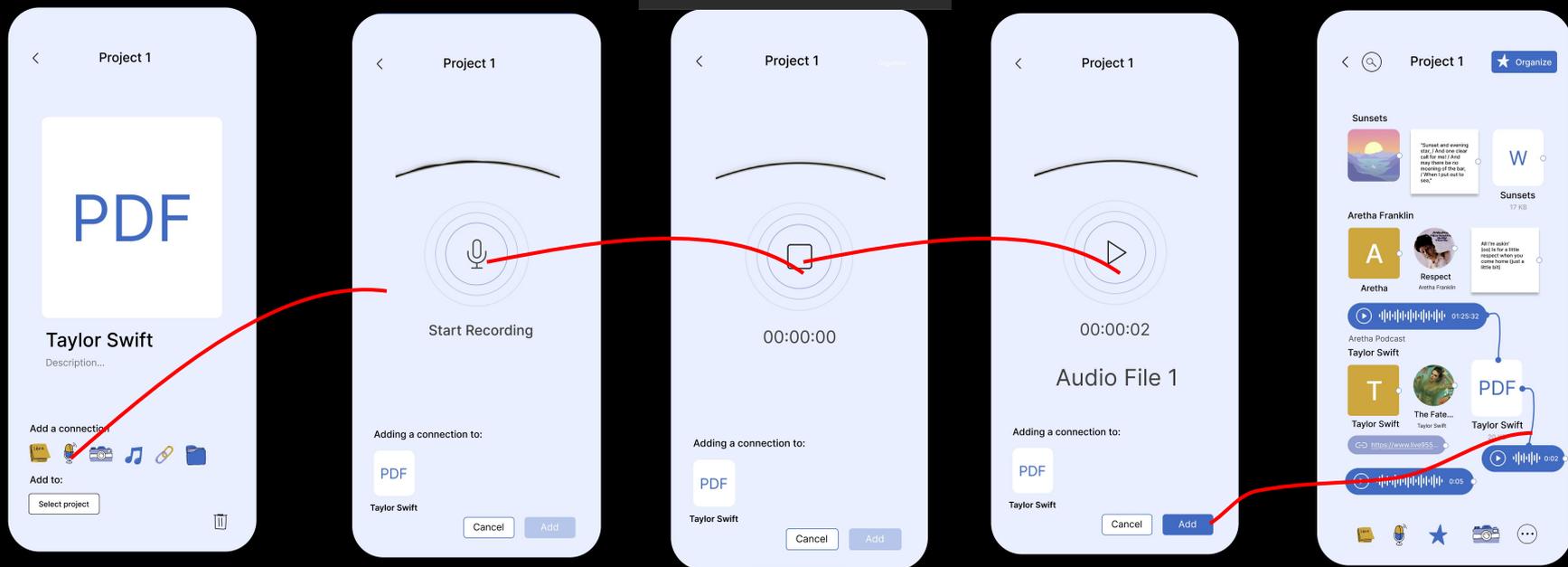
# Adding a board



# Organizing your board with AI + Connections



# Adding a connection



# Prototype implementation tools

## Figma

### Pros:

- Easy to collaborate and share feedback in real time
- Quick to iterate and update designs
- Granular control over design
- Supports basic interactive prototyping with transitions
- Large library of components and community resources

### Cons:

- Limited to visual and interaction design (no backend logic)
- Performance can lag with large files or complex prototypes
- Manual encoding of Sparks (making it hard to envision real use cases and the variety of inputs that would be provided)≈



**Justification of tradeoffs:** For a medium-fi prototype, our main priority was embedding our values in design to refine our task flows using feedback from the low-fi. Thus, a lot of the core workflow and UI/UX design surrounding that was achievable using Figma, as large scale backend development is not necessary. Hence we justified using Figma as it enables collaboration and quick iteration through design ideas.

# Limitations and tradeoffs

What was left out?

- Ability to drag and drop across the board to perform quick manual organization because Figma doesn't enable for such detailed interactions
- Ability to add from camera view—substituted for mock up camera UI, because there's no camera plug in to Figma
- Expansive community view that replicates the true flow of scrolling through public posts
- Back end understanding of how we can tag metadata on uploads for AI organization and actually execute the commands

Wizard-of-Oz

- Ability to add any input—could only replicate for a specific workflow of specific inputs
- Pre populated Sparklettes and community page
- Smart sort feature which organized it by our own hard coded design

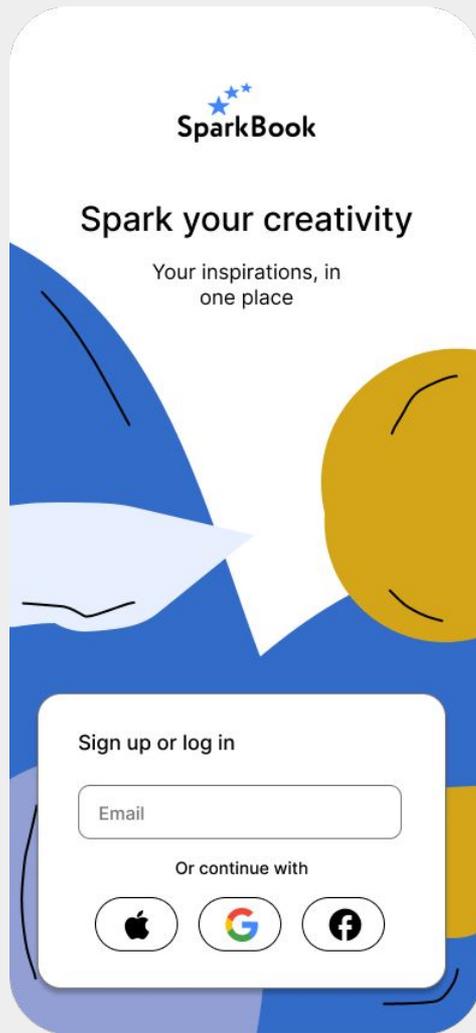
# Impact of limitations on the user

Limitations came down to three main areas:

1. Inability to add any input
  - Makes the task flow feel rigid and blocks the user from being able to create from their own inspiration
  - Hard to account for visual aesthetics of each user if they are not able to provide their unique sparks
    - Ex. What errors could their file have? How will this large image look like?
2. Pre-populated, hard coded data
  - Limited interaction across home and community pages which makes the user feel a bit isolated and unfamiliar with their own projects
  - Unable to run the flow on a user who has no data in the system to see what onboarding feels like
3. Wizard-of-Oz AI integration
  - Unable to see the efficiency of the AI and if it is beneficial to the user

**Thank you!**

# Appendix



Dev mode:

<https://www.figma.com/design/BU2alzQTQJaoD2yGul2iWJ/CS-147-Med-Fi?node-id=0-1&m=dev&t=U8F7Kmh4mKDyEoM5-1>

Prototype mode:

<https://www.figma.com/proto/BU2alzQTQJaoD2yGul2iWJ/CS-147-Med-Fi?node-id=500-2151&t=U8F7Kmh4mKDyEoM5-1>

ReadMe:

<https://docs.google.com/document/d/1p7E1duKb2hJ2GvDzKv5XZE0EgEe7sHm3wSM9nWLaq9A/edit?usp=sharing>