

# Work Share Presentation: Party Music App

**Medha Bulumulla**

**Cornell University, Information Science**

March 9, 2023

# Background

- Semester long project in Human Computer Interaction (INFO 3450) in Spring 2022
- We were assigned a group of 4 students with the topic - music/dance.
  - Commonality between us: Music bringing people together
- **Design Idea:** Guests and hosts can collaborate to create the ideal party environment

# User Interviews - Organized Findings on Miro




- Conducted 4 preliminary interviews of hosts
- Used Miro to organize our thoughts & examine user's motives
  - This is our second iteration organization
- Helped us narrow our goals



# Problem

Hosts want to play music that they enjoy and that their guests enjoy with still retaining control of the music and vibe of the party.

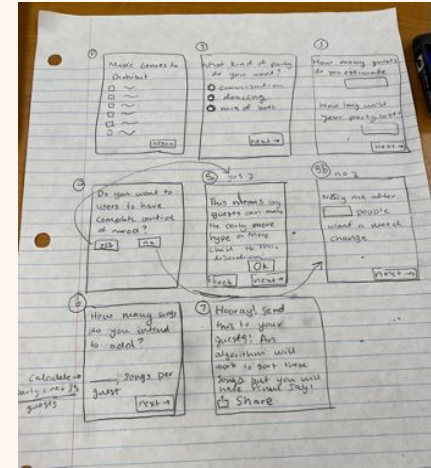
Guests feel like their music needs are unheard but that guests are not as good at understanding the vibe as they believe.



# Exploration Sketches



Storyboarding



Sketching

# Low Fidelity Sketches -- Using Powerpoint

## Host Interface

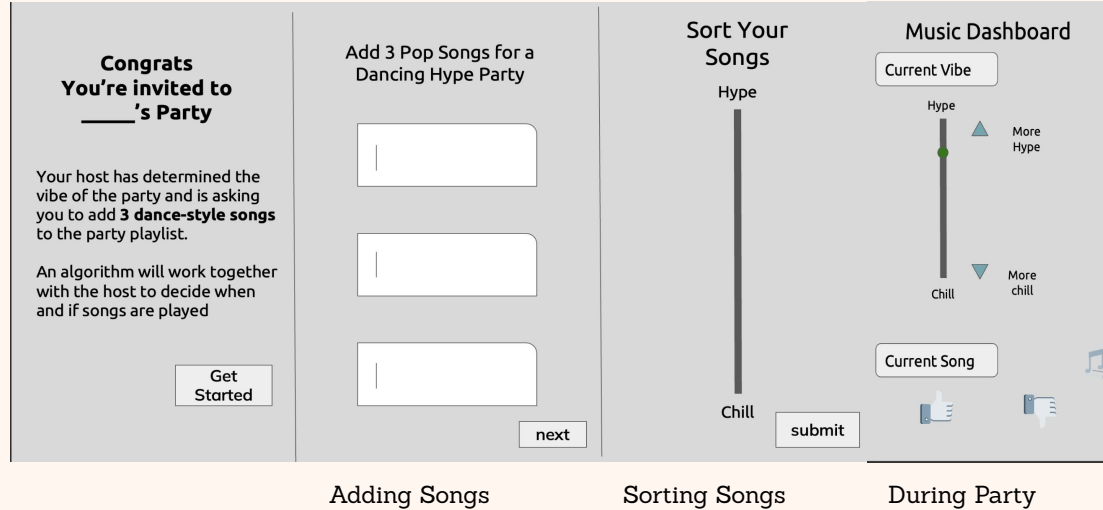
<p><b>Get Started On Your Party Music!</b></p> <p>I'm a...</p> <p><input type="button" value="Guest"/> <input type="button" value="Host"/></p>	<p><b>What kind of party do you want?</b></p> <ul style="list-style-type: none"><li><input type="radio"/> Conversation</li><li><input type="radio"/> Dancing</li><li><input type="radio"/> Mix of both</li></ul> <p><input type="button" value="next"/></p>	<p><b>How many guests do you estimate will attend?</b></p> <p><input type="text" value="people"/></p> <p><b>How long do you estimate your party last?</b></p> <p><input type="text" value="hours"/></p> <p><input type="button" value="next"/></p>	<p><b>Music Genres to Prohibit</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> Pop</li><li><input type="checkbox"/> Jazz</li><li><input type="checkbox"/> Classical</li><li><input type="checkbox"/> EDM</li><li><input type="checkbox"/> ...</li></ul> <p><input type="button" value="next"/></p>	<p><b>Do you want to have users to have complete control over the mood? (Hype vs. Chill)</b></p> <p><input type="button" value="Yes"/> <input type="button" value="No"/></p> <p><input type="button" value="next"/></p>	<p><b>This means all guests can make the party more hype or more chill to their discretion</b></p> <p><input type="button" value="OK"/></p> <p><input type="button" value="back"/> <input type="button" value="next"/></p>	<p><b>Notify me after _____ people want a mood change. (After the notification, it is up to you to change the mood to your discretion)</b></p> <p><input type="button" value="back"/> <input type="button" value="next"/></p>	<p><b>How many songs do you intend to add?</b></p> <p><input type="text" value="songs"/></p> <p><b>Each guests should add _____ songs. (based on your time and guest number)</b></p> <p><input type="button" value="next"/></p>	<p><b>HOORAY!</b></p> <p>Send this to your guests so they can add their songs!</p> <p><input type="button" value="SHARE"/></p> <p>An algorithm will work to sort these songs but you can change anything at anytime!</p> <p><input type="button" value="HOME"/></p>
Type of party		Attendees & Time	Music genre(s)	Control as Host		Song Amount		

Hosts inputs party information for the algorithm to determine music order

Guests input songs before party. During party they rate the songs

# Low Fidelity Sketches -- Using Powerpoint

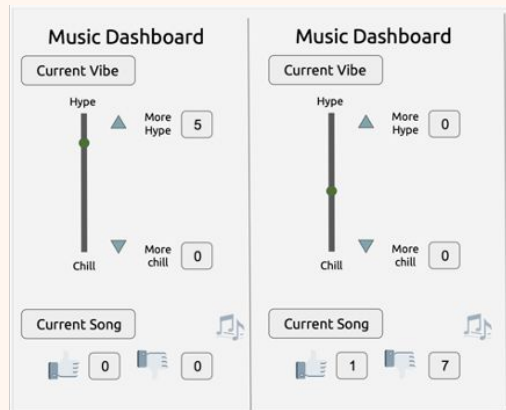
## Guest Interface



- Guests can add sort songs
- During the party, guests could 'vote' if they wanted music to be more hype or more chill -> model will change accordingly

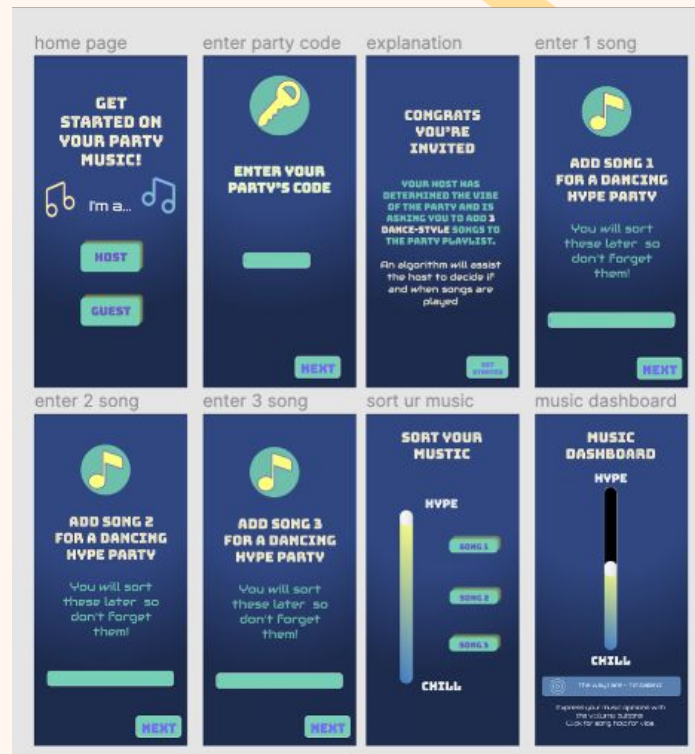
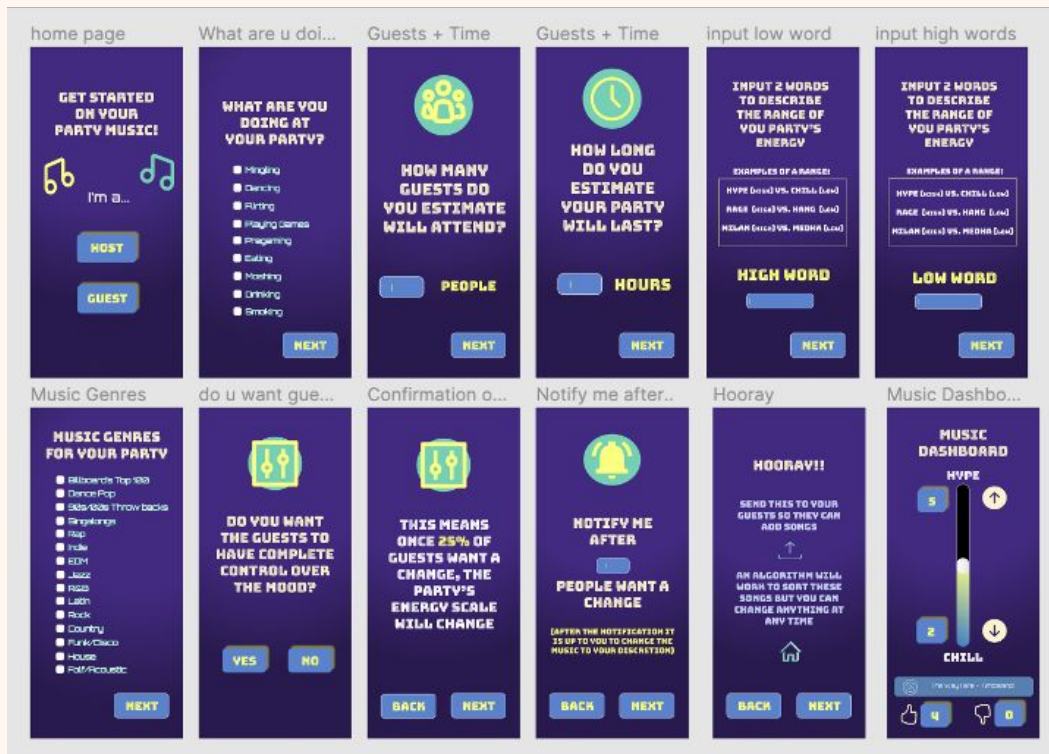
# Stratified Testing of Paper Sketches

- 2 main user groups: party hosts & guests
- Findings
  - Guests did not understand the difference between “hype” and “chill” and genre classifications
  - Hosts were concerned the app would be a distraction during party
- Results
  - Allow host to decide their own classifications
  - Different Interfaces: party active & inactive (prior to party)
  - Use Volume buttons to reduce visual load





# Figma Prototype



## With more time & resources..

- If this product was deployed we would examine metrics including..
  - Survival rate of app download
  - Amount of users - stratified between hosts and guests
- Test the algorithm

# THANK YOU

## Learn More About Me

- Website: <https://pages.github.coecis.cornell.edu/mb2569/Medha-Bulumulla/>
- LinkedIn: <https://www.linkedin.com/in/medha-bulumulla-2001/>
- Email: [mb2569@cornell.edu](mailto:mb2569@cornell.edu)

## Other Projects

- [Research Group\(s\)](#)
- [Small Business Website](#)
- [Olympic Gold Medal Visualization](#)
- [Sleep Visualizations](#)
- [Pittsburgh Restaurants](#)

