

RUBATO

PETER, PARKER & GIO

Lo-fi Prototyping & Pilot Usability Testing

VALUE PROPOSITION

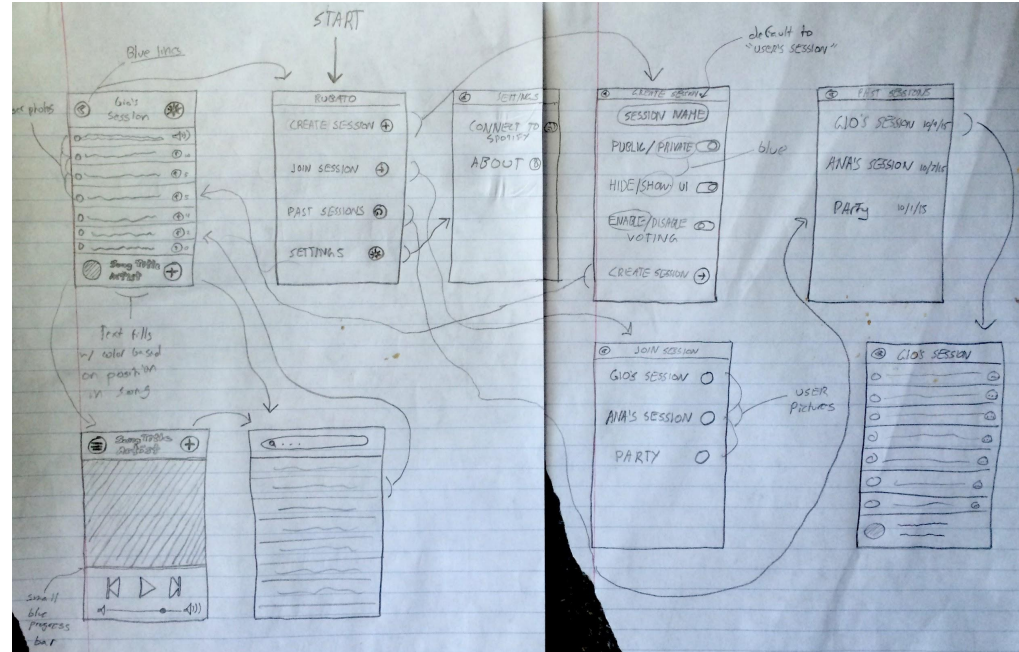
Value Proposition: Communal Playlists in Real Time

Problem: There is currently no way for all listeners at an event to engage with each other in the creation process of music in real time--together, right here, right now.

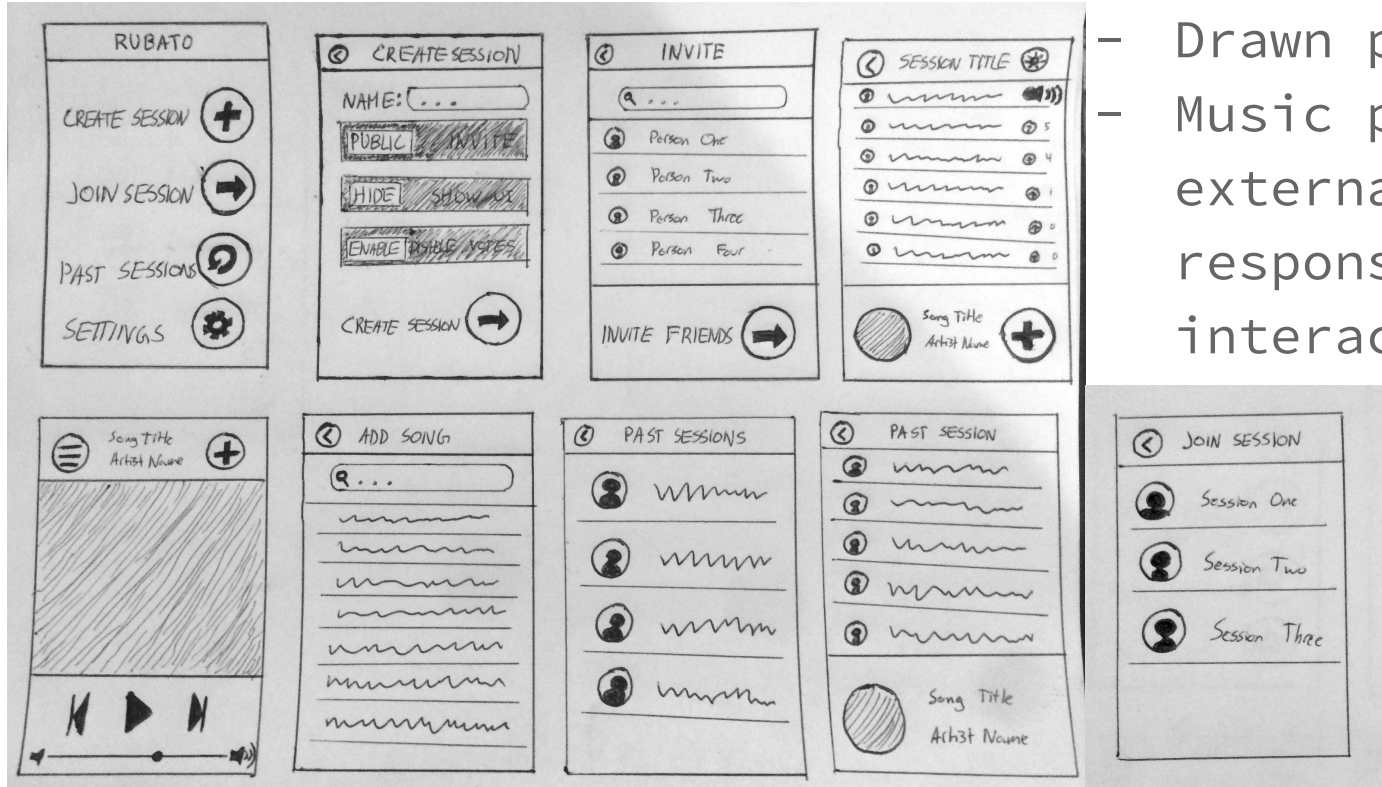
Solution: Rubato allows everyone at an event to contribute in real time to the music. The result is a constantly evolving playlist, curated by the entire community.

SELECTED INTERFACE & RATIONALE → MOBILE IOS W/ SPOTIFY

- Little host setup
- Virtually limitless music library (Spotify)
- Large icons/buttons
- Reduced controls
- No passwords
- Simplest and most intuitive design for hosts and clients



LO-FI PROTOTYPE STRUCTURE



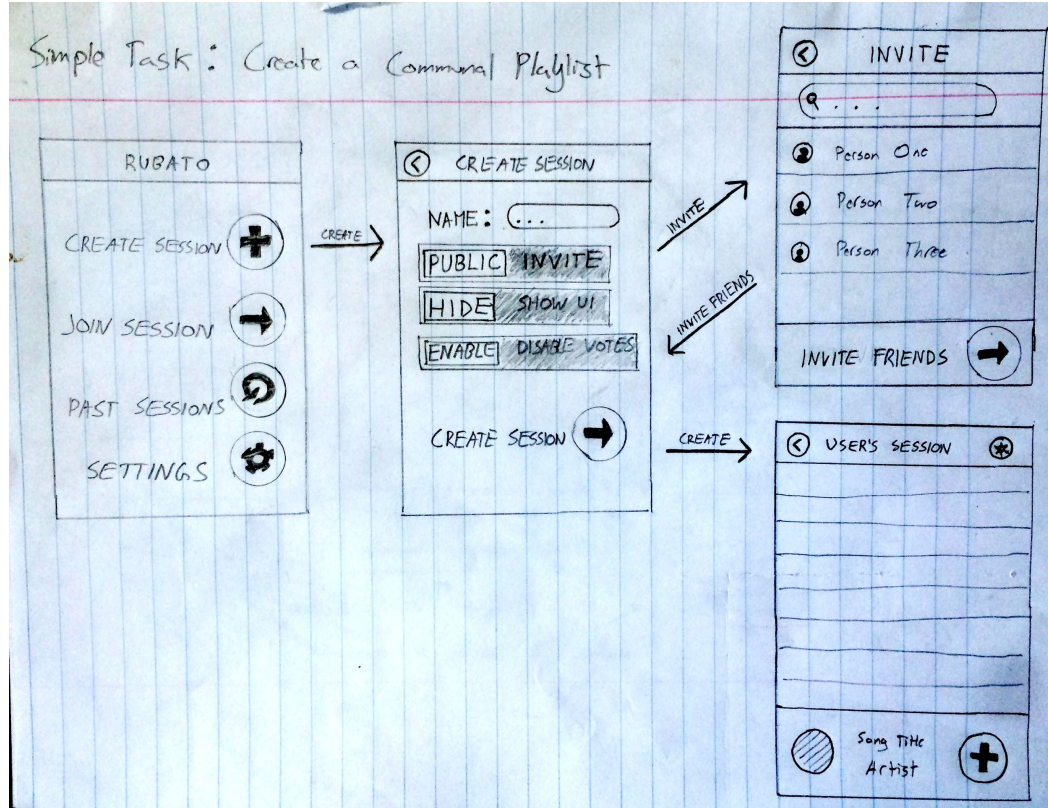
- Drawn paper prototype
- Music played on external speakers in response to user-app interaction

SIMPLE TASK: CREATE A COMMUNAL PLAYLIST

MEDIUM TASK: UPDATE THE PLAYLIST IN REAL-TIME

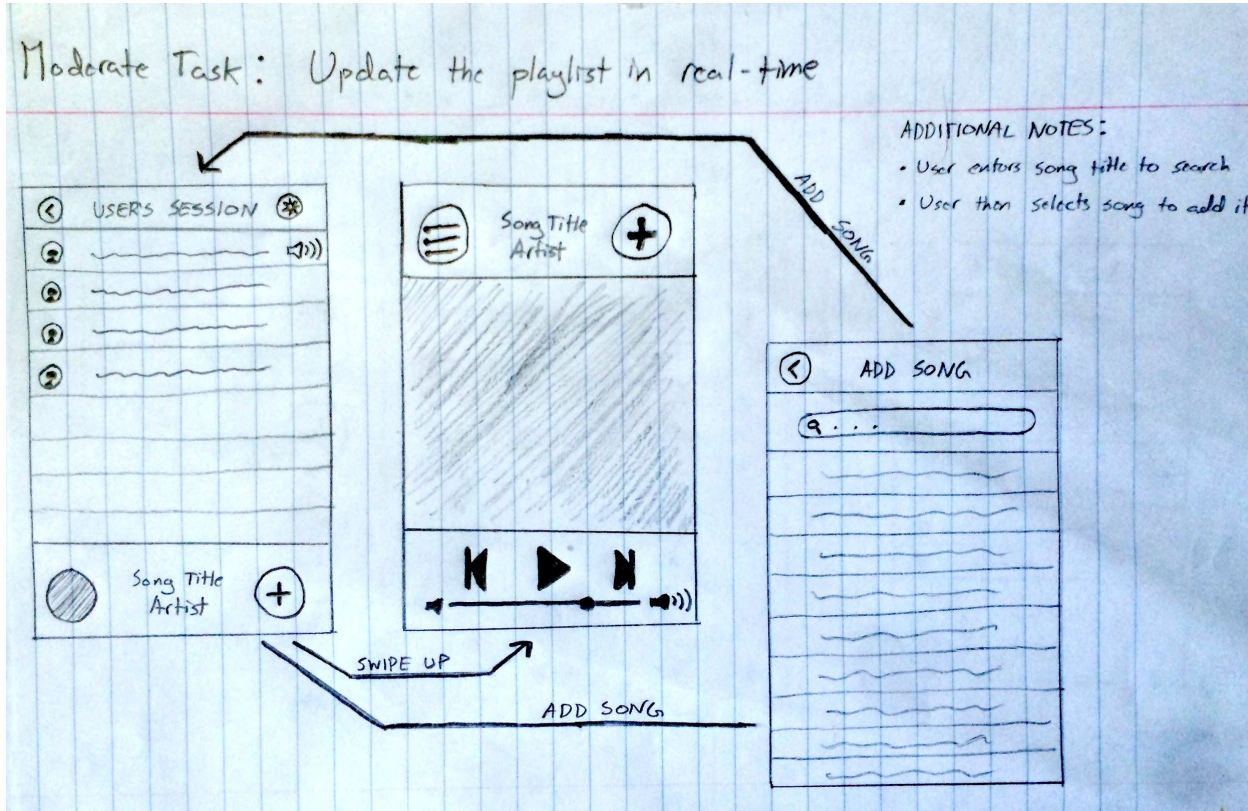
COMPLEX TASK: PLAY A SONG FROM ANY PAST SESSION

SIMPLE TASK: CREATE A COMMUNAL PLAYLIST



- Home Screen
- Create Session
 - Edit Session
 - Preferences
- Invite Friends
- Begin Session

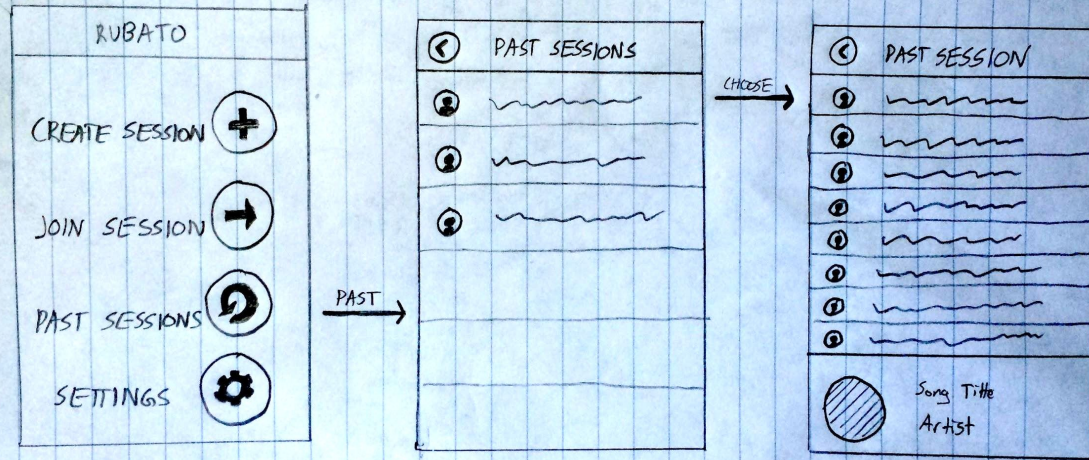
MEDIUM TASK: UPDATE THE PLAYLIST IN REAL-TIME



- Session Screen
- Add Song
 - Or, Add Song from Music Player
- Search Song
- Queue Song
- Return to Session

COMPLEX TASK: PLAY A SONG FROM ANY PAST SESSION

Complex Task: Play a song from any event you attended in the past



ADDITIONAL NOTES:

- User must scroll through final screen and tap on a song to play it.

- Home Screen
- Past Sessions
 - Search/scroll for past session
- Enter Session
- Search Song
 - Search/scroll for specific song
- Play Song

EXPERIMENTAL METHOD

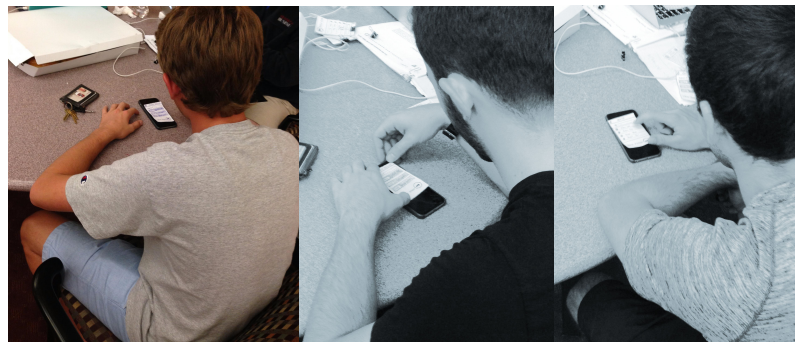
Participants: Asked residents of Roble Hall if they enjoyed attending parties and listening to music. If so, offered donuts as incentive for participation in experiment.

Environment: Conducted at 10PM in Roble Lounge on a weekday night. Many residents socializing, ideal environment to test our preconceptions of the lo-fi prototype.

Procedure: Parker facilitated the prototype while Peter and Gio operated music selection and took notes. Participants attempted to execute our three tasks in order.

When observing behavior, we looked specifically for ease of use, quickness of tasks, and number of errors.

EXPERIMENTAL RESULTS



	Participant #1
Task 1	0: Successfully created the Rubato session.
Task 2	0: Was able to create the playlist. 2: Wasn't sure what to do with the "Hide" vs "Show" switch. 2: Wasn't sure whether "Settings" button indicated session settings or playlist settings. 3: Added a silly song to the playlist just to "troll". 4: Added the song to the playlist again in order to keep on spamming the playlist.
Task 3	0: Successfully accessed a previous session and listened to a song from it. 3: Had trouble navigating between songs during playback, as the interface was unclear on allowing the user to pick any song rather than listen to the entire session.

RUBATO

CREATE SESSION 

JOIN SESSION 

PAST SESSIONS 

SETTINGS 


CREATE SESSION

NAME:

PUBLIC INVITE

HIDE SHOW

ENABLE DISABLE NOTES

CREATE SESSION 


INVITE


Person One

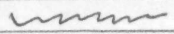

Person Two

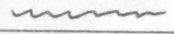
Person Three

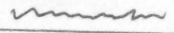
Person Four

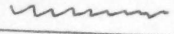
INVITE FRIENDS 

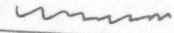
SESSION TITLE 

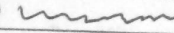
1  



2  5



3  4

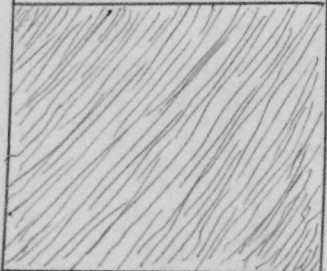
4  1




5  0


6  0

 Song Title
Artist Name 

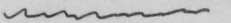
 Song Title
Artist Name 




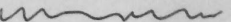
  

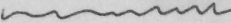



ADD SONG

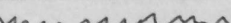


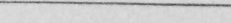





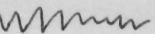



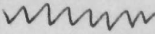



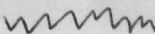



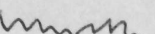


PAST SESSIONS


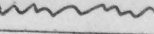
 


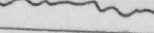
 


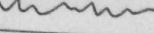
 


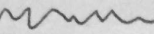
 


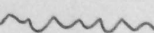
PAST SESSION


 

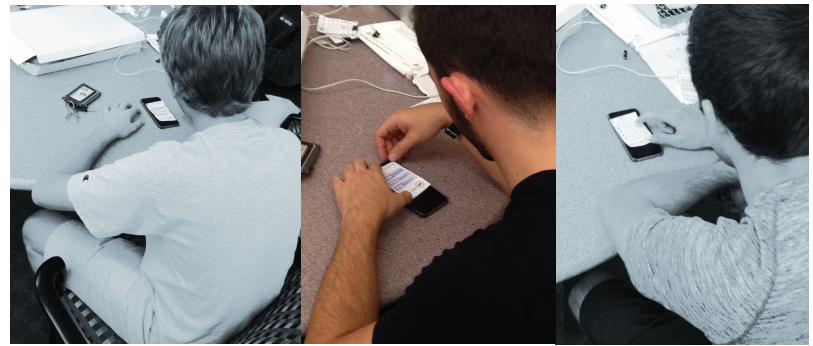
 

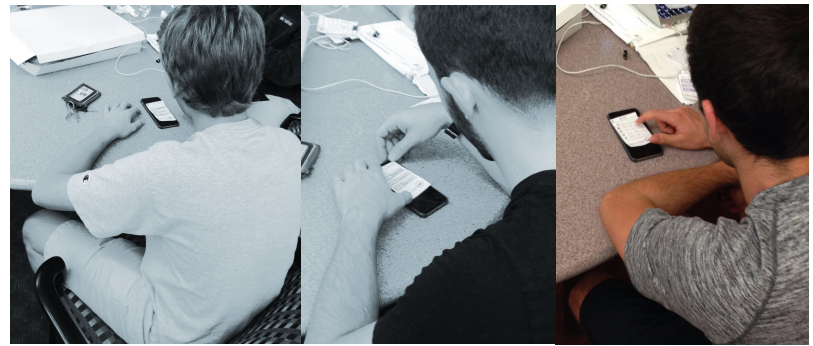
 Song Title
Artist Name

EXPERIMENTAL RESULTS



	Participant #2
Task 1	0: Successfully created the Rubato session.
Task 2	0: Was able to create the playlist. 3: Added a silly song to the playlist just to “troll”.
Task 3	0: Successfully accessed a previous session and listened to a song from it. 3: Had trouble navigating between songs during playback, as the interface was unclear on allowing the user to pick any song rather than listen to the entire session.

EXPERIMENTAL RESULTS



	Participant #3
Task 1	0: Successfully created the Rubato session.
Task 2	0: Was able to create the playlist. 3: When trying to add another song to the playlist, he navigated back to the homepage of the app, ultimately doing a lot more work than was necessary.
Task 3	0: Successfully accessed a previous session and listened to a song from it. 3: Had trouble navigating between songs during playback, as the interface was unclear on allowing the user to pick any song rather than listen to the entire session.

SUGGESTED UI CHANGES

- Certain button icons are ambiguous:
 - Create Session and Add Song are currently identical.
 - Sliders in session creation preferences are not necessarily intuitive. A first-time tutorial or restructuring of this screen is needed.
 - Settings for a specific session and the application itself need to be made distinct.
- To prevent malicious use (i.e. “spamming” or “trolling”), a real-time upvoting system will be implemented.
- Freedom of interaction with Past Sessions unclear, needs to be redesigned.

IN SUMMARY...

Participants liked:

- Large icons and buttons
- Greatly simplified controls
- General flow of application

Participants wished:

- Icons were more clear
- Create Session screen had a tutorial explanation or was restructured to be more intuitive
- Past Session interface was more clear despite fundamental difference in interaction freedom.