## Rubato

Gio Jacuzzi, Parker Odrich, Peter Washington Assignment 6: Medium-Fi Prototype Studio: Creation

#### **Value Proposition and Solutions**

Value Proposition: Communal playlists in real time.

<u>Problem</u>: Music is a dynamic force that brings communities together, but there is currently no way for all listeners to engage with each other in the creation process in real time--together, right here, right now.

<u>Solution:</u> 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.

#### **Representative Tasks**

Task 1: Create a communal playlist (easy).

Task 2: Update the playlist in real-time (medium).

Task 3: Play songs from any event attended in the past.

#### **Problems Found in User Testing**

- Users played songs with "malicious" intents.
- Users found the interface to be too confusing due to the overcomplexity of the design.
- The meanings of buttons were ambiguous (specifically for settings and adding songs).



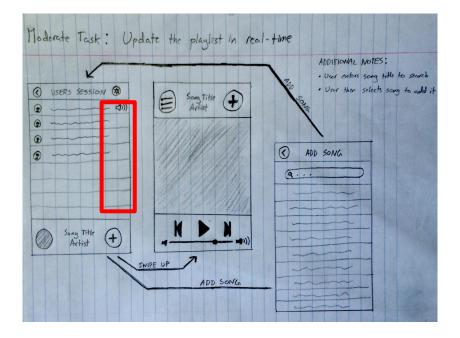
### **Design Change 1: Add Upvoting To Songs**

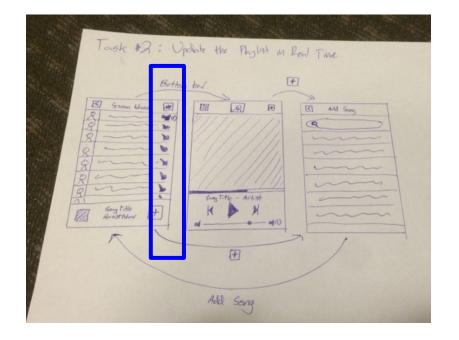
- Upvoting prevents a single user from hijacking the playlist.

- Adds more user interactivity to the party.

- Doesn't require excessive interaction during the party.

#### **Design Change 1: Add Upvoting To Songs**





#### Before

After

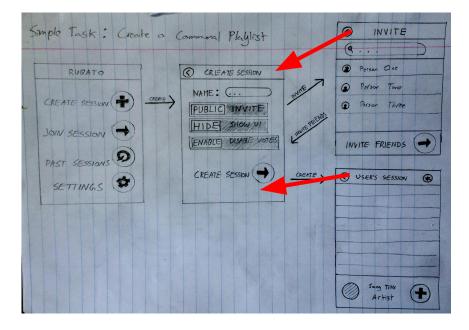
#### **Design Change 2: Centralized Home Screen**

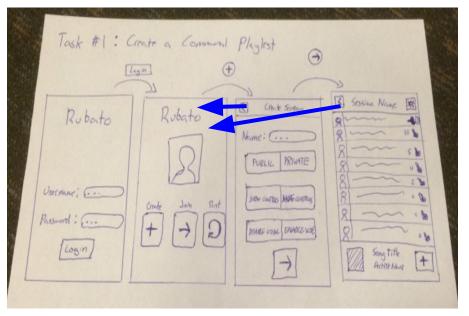
- A central screen makes it easier for user to navigate throughout the app.

- Prevents the user from being "stuck" in a certain screen.

- Prevents the user from clicking an unnecessary number of buttons and navigating through many screens.

#### **Design Change 2: Centralized Home Screen**





#### **Before**



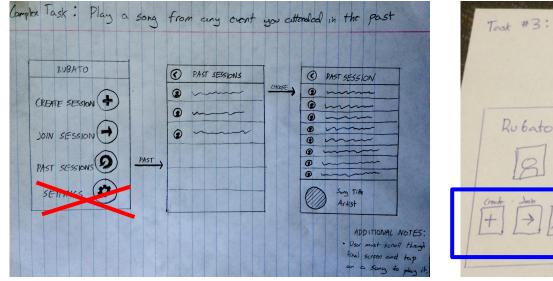
#### **Design Change 3: Remove Global Settings**

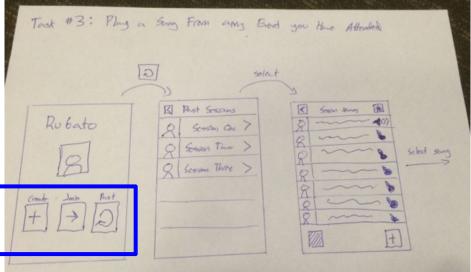
- Global app settings were largely irrelevant to the app.

- Settings were per-session and could just be done during session create-time.

- Settings button clogged the home screen. Now, have a **much prettier home screen**.

#### **Design Change 3: Remove Global Settings**

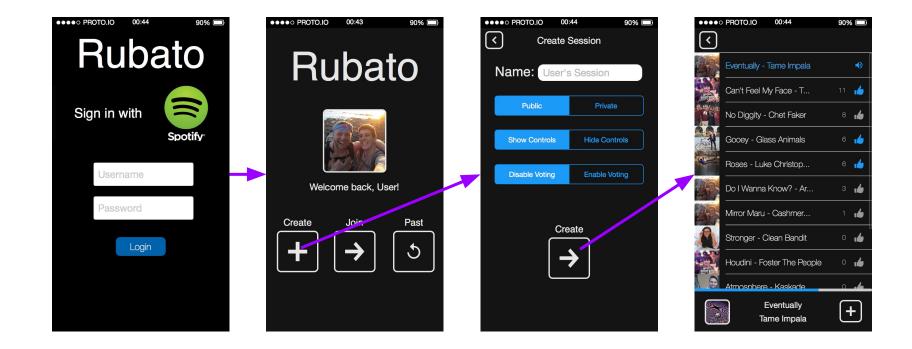








#### **Task Flow #1: Create a Rubato Session**



#### **Task Flow #2: Update playlist in real time**

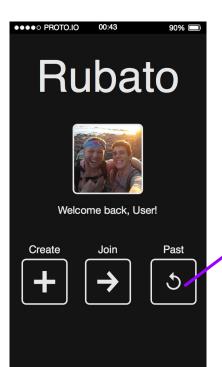
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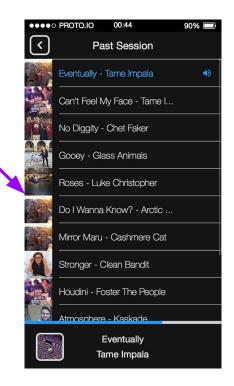
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#### **Task Flow #3: Relive the playlist**



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## **Prototyping Tool**



- Used Proto.IO
- Makes iOS prototypes that seem real
- Lots of features
- Free trial

#### **Limitations of Proto.IO**

- No "conditional" logic prevented many simple prototyping features from being added
  - Selected songs couldn't actually be added to playlist
  - The results of upvoting a song can't be seen

- Long learning curve compared to Marvel and InVision

#### **Wizard of Oz Techniques**

 When a user wants to add a song, we will tell them that the song is added to the playlist.

 When a user wants to play a song, we will play the song ourselves. The prototype cannot play songs.



#### **Hand-Coded Features**

- Song names
- Session names
- User profile
- Number of likes per song



# RUBATO MUSIC PLAYLIST CREATION IN REAL-TIME.



http://web.stanford.edu/class/cs147/projects/creation/Rubato/index.html