



TuneRepublic

Music for the people by the people

Problem

Our problem is how to facilitate choosing music in a public space. Current technology for choosing music in public spaces remains rudimentary, and it lags behind the personal experience people have with their individual MP3 players. Additionally, people in public spaces increasingly tend not to interact with one another.

Solution

A shared jukebox that allows people to collectively choose music and shape their space, as well as better connect the people

CMC JUKEBOX

[Profile](#) **D**
[Play Song](#)
 [5 Credits](#) **E**

A NOW PLAYING

When the Stars Go Blue – Ryan Adams – played by [Jane B.](#)

B COMING UP

The Boxer
Paul Simon
Played by [Zain S.](#)

↑ ↓

1234
Feist
Played by [Ryan G.](#)

↑ ↓

In My Life
Johnny Cash
★ Manager's Choice

↑ ↓

Chan Chan
Buena Vista Social Club
Played by [Mike L.](#)

↑ ↓

Pennsylvania 6-5000
Glenn Miller

↑ ↓

People Get Ready
Curtis Mayfield & The Impressions
Played by [Kate S.](#)

↑ ↓

Womanizer
Britney Spears
Played by [Joe P.](#)

↑ ↓

Uptown Girl
Billy Joel
Played by [Holly H.](#)

↑ ↓

LAST PLAYED

Hallelujah
John Cale
Played by [Gordon M.](#)

The First Cut Is the Deepest
Sheryl Crow
Played by [Mike L.](#)

No Woman No Cry
Bob Marley & The Wailers
Played by [Andy S.](#)

Don't Stop Believing
Journey
Played by [Lauren M.](#)

U Can't Touch This
M.C. Hammer
Played by [Kate S.](#)

Ticket To Ride
The Beatles

CMC JUKEBOX

ts **E** [Sign Out](#)

ne B.

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Ticket To Ride

The Beatles

Your Activity

You've voted on 27 songs. Would you like to [add a song to the queue?](#)

F

Users Like You

Based on your voting, you have the most in common with [Andy S.](#), [Jane B.](#), and [Kate S.](#) [Find out why »](#)

G

Top Songs This Week

1. Chinese Democracy by Guns n' Roses
2. The General by Dispatch
3. The Times They Are A-Changin' by Bob Dylan
4. Sweet Darlin' by She & Him
5. 5 Months, 2 Weeks, 2 Days by Louis Prima

Most Popular Artists

1. Simon & Garfunkle
2. Bob Dylan
3. Britney Spears

Most Active Users This Week

- Mike L.
- Zain S.
- Ryan G.

C. LINE OF RECKONING Songs with a score below zero appear at the bottom of the queue below the “Line of Reckoning.” Voters in the cafe have indicated that on the whole they do not want to hear these songs, and so they will not be played unless they are voted up. Songs below this line will stay in the queue for a designated period of time when they can be rescued, otherwise they disappear from the queue.



Rick A.

- Member for 3 months
- Has voted on 394 songs
- Has played 23 songs
- Received 106 positive votes on her songs

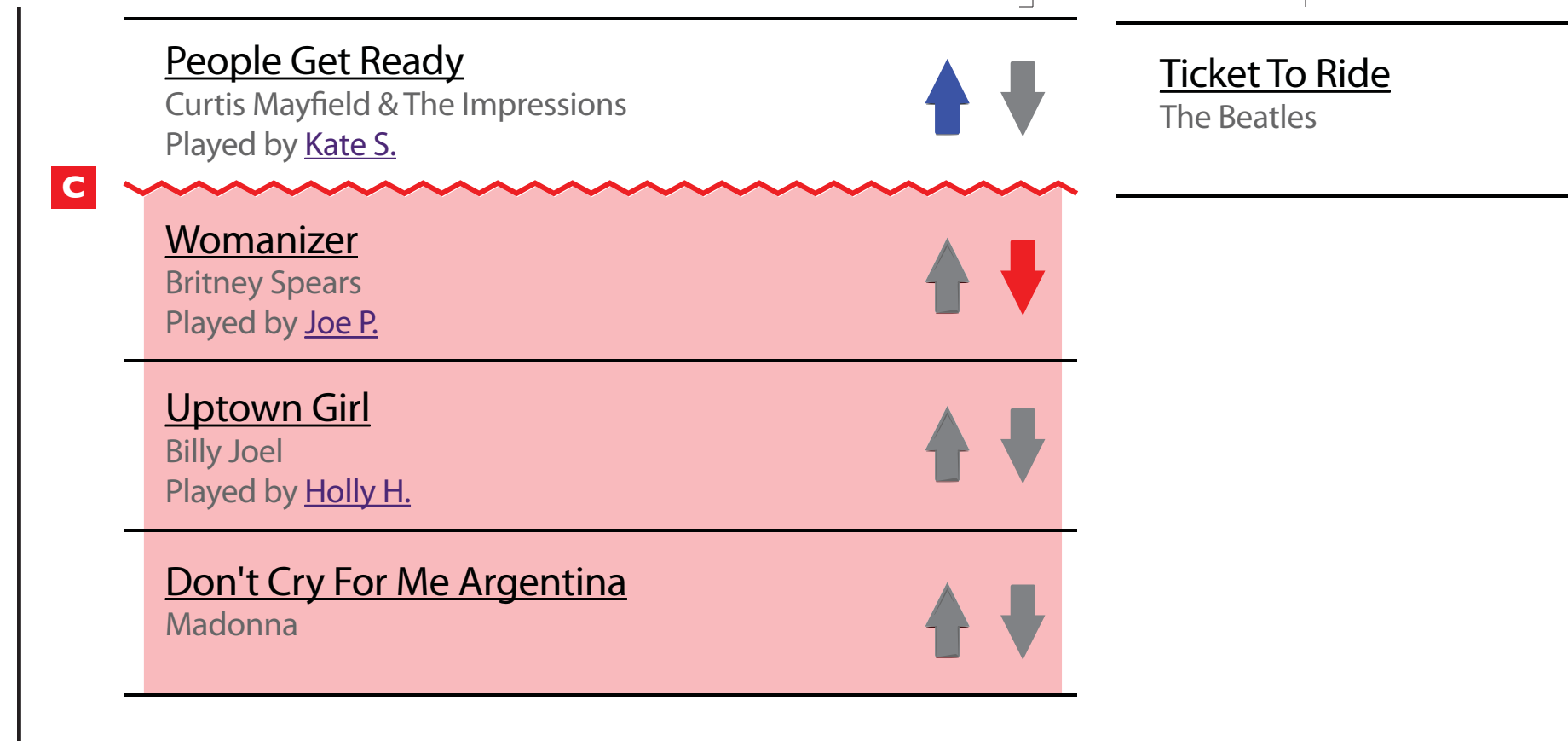
D. USER PROFILE In order to have complete access to the jukebox, users create a profile and sign in. Then users can explore information about other members of the community, and enter basic personal information. A user's profile displays implicitly derived reputation based on her online behavior. This system rewards use of a single account and reinforces the notion that their actions contribute to other users' perceptions of them. Reputation does not, however, limit a user's privileges for using the jukebox system.

E. CREDITS Users receive credits automatically when they sign into the system. They can use these credits to

increasingly tend not to interact with one another.

Solution

A shared jukebox that allows people to collectively choose music and shape their space, as well as better connect the people in a location. We envisioned this system to be used in coffee shops, where modern technology has separated individuals from what was once a community space. We gathered data from Cafe Nomad, pictured to the right. Based on our findings our jukebox is focused on enabling collective control a cafe's ambiance. Community members will be able to share their moods and music preferences with one another. This allows people to choose music collaboratively, thus reinforcing real-world communities—people who share a physical space can participate in shared action—and facilitating the creation of new in-groups by allowing users to connect based on shared taste in music.



A typical scene from Cafe Nomad, where most customers are using laptops and absorbed in their work.

A. CURRENT
the coffee s
jukebox sys
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In addition
the name o

B. THE QUE
below the c
using the u
song's score
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based on us
songs will b
changes, it
add songs t
automatica
added to qu
duplicates,

Ticket To Ride

The Beatles

Most Popular Artists

1. Simon & Garfunkle
2. Bob Dylan
3. Brittny Spears

Most Active Users This Week

Mike L.
Zain S.
Ryan G.

A. CURRENTLY PLAYING SONG When users first sign into the coffee shop's wireless network, they are directed to this jukebox system, which initially grabs their attention by telling them which song is currently playing in the store. In addition to standard metadata, the system also indicates the name of the user who selected or uploaded the song.

B. THE QUEUE A list of songs that will be played appears below the current song. Users can vote once on each song using the up and down arrows. Voting contributes to a song's score, though this score is not displayed to users to prevent biasing people's votes. The list changes dynamically based on user voting, and is shown in the order that the songs will be played. As the number of votes on a song changes, it moves in the queue until it is played. Users can add songs to the queue (*see E. Credits*), or songs are added automatically from the cafe's local catalog. Songs cannot be added to queue if they have been recently played, if they are duplicates, or if they have been banned by administrators.

user's profile displays implicitly derived reputation based on her online behavior. This system rewards use of a single account and reinforces the notion that their actions contribute to other users' perceptions of them. Reputation does not, however, limit a user's privileges for using the jukebox system.

E. CREDITS Users receive credits automatically when they sign into the system. They can use these credits to add songs to the jukebox from the store's collection, or to upload songs from their own personal collections. The number of credits given to a user is limited in order to encourage careful song selection, and to reduce the tendency for users to set up an office in the cafe.

F. SELECTIVE INCENTIVES Users' continued participation is essential to successful use, so we implemented a history-based incentive that reminds users about their past contributions. This display tells the user how many votes she has made and how many songs she has selected for play. If a user has voted but never added a song to the queue, the system invites the user to do so.

G. USERS LIKE YOU Many systems like Last.fm and Pandora suggest music you may like based on your preferences. This feature seeks to provide a basis for people to form new in-groups by offering a twist: people you may like based on your music preferences. The system uses coincidence of up and down votes to match people. It does not make suggestions about people you probably will not like.



Users are