

Team 14

WeMusic Sprint 1

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Project Description

Hotpot Music Share -- a web application that allows multiple users to vote for and listen to songs together in real-time

Our Implementation --

- Using Spotify to avoid music copyright issues
- More interaction features

Sprint 1 Goals

- Log In
- Create Public/Private Room
- Localization
- Join Room
- Collaborate Playlist
- Play Songs

Sprint 1 Gantt Chart

[illegible]

API

- Spotify API
 - Web API -- Get authorization from user, get user's data
 - Web Playback SDK -- Creating a new player instance and controlling its states
- Geolocation API
 - Get current position -- To determine if the user is close to the public room



Demo - WeMusic

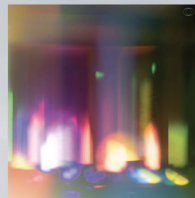
Listen Together

Log in with Spotify

Room : 5566

Import Playlist

weMusic



The Road

Singer



03:37

04:56

Comment

Send

Song List:

The Road

Shallow

Challenges Encountered

- Real-time?
 - Update status every second
- Using APIs
 - Read a lot of documentations/examples
- Too many redirections
 - Spotify: exchanging code numbers for access token
 - Room creation & entry: verify location & grant access
 - Pop-up windows instead of redirecting
- Restriction
 - Spotify Premium

Sprint 2 Plan

- Vote for songs
- Order songs according to votes
- Host can kick members out of a room
- Real-time interaction: comments

Questions and Feedback?

Thank you :)