# REZONATE: A Music Platform

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# Project Description: Music Platform

- Core features of application:
  - Search songs
  - Play, pause, skip, repeat and shuffle songs
  - Log in as a user
  - Search for, create, and add to playlists as an user
- Technologies that will be used:
  - Django
  - Javascript, JQuery, AJAX
  - Microsoft Azure
  - Music APIs: AudD & Spotify
  - CSS libraries
  - Javascript libraries

# Project Description: Music Platform

- Additional features of application:
  - View the waveform and lyrics
    - Waveform bars change height/color
    - Progress bar for current song
    - Lyrics can toggle from right hand side
  - Rezonators (managers) can add/remove songs
  - Rezonators can upgrade users to become rezonators or delete them

# Sprint 2: Backlog

- Sprint 2 Backlog Goals:
  - More Advanced UI
  - User Authorization
  - Search Features
  - Debugging Touch-ups
  - Song Optimization
  - Progress Bar Functionality
  - Deployment

# Sprint 2: Achieved Goals

- Goals Achieved:
  - User Authorization
  - Song Optimization
  - Progress Bar Functionality
  - Deployment
  - CI/CD
  - Genre Search Page
- Extra:
  - Added a little responsive
  - No silent crashes
  - Song Playing Data Structure almost fully tested

# Progress and Problems Encountered

- Progress
  - Playbar functions written
  - Playbar visible, well-placed
  - Genre pages added
  - Song search capabilities
  - Silent crashes eliminated
  - Song size minimized
- Problems
  - MANY merge conflicts
  - Interteam database integration
  - Playbar functionality more complex than expected

# Sprint 3: Future Goals

- Goals:
  - Ajax integration
    - Enables playbar button functionality
    - Enables search between pages
  - Playlist functionality
  - Genre functionality
  - Search on genre, lyrics, artist, etc
  - Fully realized responsiveness
  - UI tweaking
    - Colors
    - Placement
    - Silent error fixing

# Video Presentation

- https://drive.google.com/file/d/0B6jGsTx8HhHXTEV2UTVKVGlueWw1ekczZGRSQ1NIVENsQnZn/view?usp=sharing

# MAIN PAGE

Rezonate

Sign Up Log In

Rezonate

Search Songs / Playlists

Rezonate

Sign Up Log In

Searched Keys

SONGS

- Song Name 1
- Song Name 2
- Song Name 3
- Song Name 4

# TOP RESULT

## SONG NAME

Artist

Album?

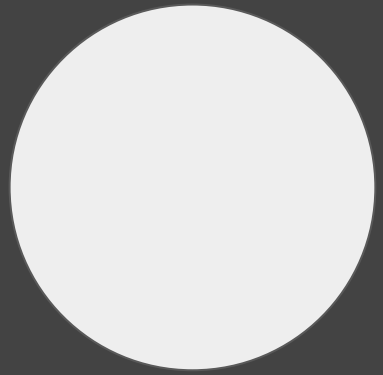
Rezonate

Sign Up Log In

Searched Keys

**SONGS**

- Song Name 1
- Song Name 2
- Song Name 3
- Song Name 4



SONG NAME

Artist

# LOGGED IN USERS

Rezonate

Search Songs

Rezonate

Songs Playlists

angelopagliuca11

Searched Keys

SONGS

- [ ] Song Name 1
- [ ] Song Name 2
- [ ] Song Name 3
- [ ] Song Name 4

GENRE

- [ ] Song Name 1
- [ ] Song Name 4
- [ ] Song Name 2

GENRE

- [ ] Song Name 5
- [ ] Song Name 7

GENRE

- [ ] Song Name 1
- [ ] Song Name 3
- [ ] Song Name 1

GENRE

- [ ] Song Name 6
- [ ] Song Name 7

GENRE

- [ ] Song Name 2
- [ ] Song Name 3
- [ ] Song Name 4

GENRE

- [ ] Song Name 8

GENRE GENRE GENRE

Rezonate

Songs

Playlists

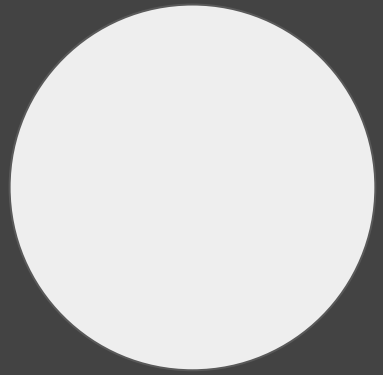
angelopagliuca11

Searched Keys

SONGS

- Song Name 1
- Song Name 2
- Song Name 3
- Song Name 4

Click here for lyrics to pop up



SONG NAME

Artist

Rezonate

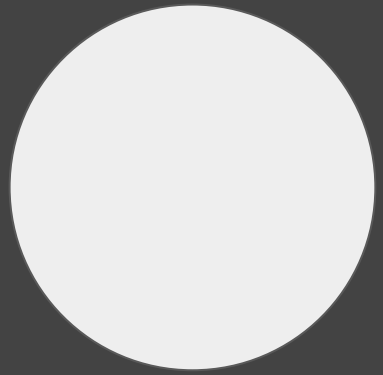
Songs Playlists

angelopagliuca11

Searched Keys

SONGS

- Song Name 1
- Song Name 2
- Song Name 3
- Song Name 4



SONG NAME

Artist

Lyrics:

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Rezonate

Search Playlists

Rezonate Songs Playlists angelopagliuca11

Searched Keys

**Playlists**

- [ ] Playlist 1
- [ ] Playlist 2
- [ ] Playlist 3
- [ ] Playlist 4

## OVERARCHING TITLE

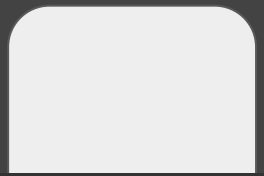
**Playlist Name**
# Songs
Owner

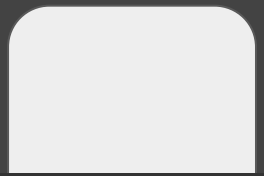
**Playlist Name**
# Songs
Owner

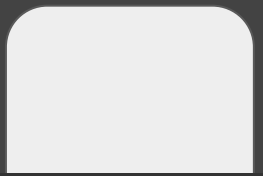
**Playlist Name**
# Songs
Owner

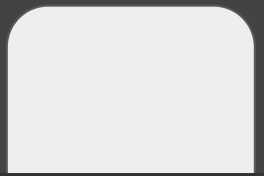
**Playlist Name**
# Songs
Owner

## OVERARCHING TITLE









Rezonate

Songs

Playlists

angelopagliuca11

Searched Keys

**Playlist Name**

Owner

- [ ] Song Name 1
- [ ] Song Name 2
- [ ] Song Name 3
- [ ] Song Name 4

# SONG NAME

Artist

# REZONATOR PORTAL

Rezonate

Choose Audio File

Choose Image File

Song Name

Artist

Genre