



REZONATE: A Music Platform

Angelo Pagliuca, Aria Paradkar, and Mary Day

Project Proposal: Music Platform

- Core features of application:
 - Search songs by title, artist, album, genre, etc.
 - Play, pause, and skip songs
 - Search for, create, and add to playlists
 - Add and remove songs to database
 - Log in as a user to listen to more than 10 songs
- Technologies that will be used:
 - Django
 - Javascript, JQuery, AJAX
 - Microsoft Azure
 - Music APIs: AudD & Spotify
 - CSS libraries
 - Javascript libraries

Project Proposal: Music Platform

- Additional features of application:
 - View the waveform and lyrics of the song currently playing
 - Waveform bars change in height and color according to the audio frequency
 - The current playing song will show a progress bar at the bottom of the screen
 - Lyrics will toggle from the right hand side
 - Managers can add/remove songs from database
 - Managers can upgrade users to become managers or delete them

Sprint 1: Backlog

- Sprint 1 Backlog Goals:
 - Basic Functional UI of Application
 - Authentication and Users
 - Ability to play Songs.
 - Add a couple working songs to the database.
- Extra:
 - Music Visualization.
 - Song Management

Sprint 2: Goals

- Goals:
 - Fully working music visualization
 - Authorization and
 - Ability to search songs
- Extra:
 - Optimized song data (no silent crashes)

MAIN PAGE



Rezonate

[Sign Up](#)

[Log In](#)



Rezonate

Search Songs / Playlists



Searched Keys

SONGS

☐ Song Name 1

☐ Song Name 2

☐ Song Name 3

☐ Song Name 4

TOP RESULT



SONG NAME

Artist

Album?





Searched Keys

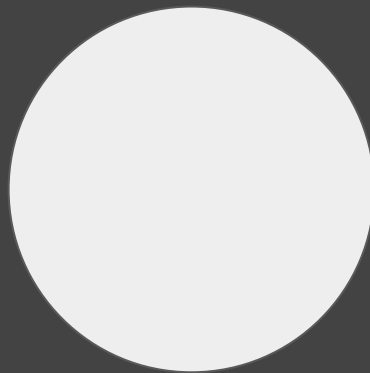
SONGS

☐ Song Name 1

☐ Song Name 2

☐ Song Name 3

☐ Song Name 4



SONG NAME

Artist



LOGGED IN USERS



Rezonate

Songs

Playlists

angelopagliuca11





Rezonate


Search Songs




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 6

 Song Name 7

GENRE

 Song Name 5

 Song Name 7

GENRE

 Song Name 2

 Song Name 3

 Song Name 4

GENRE

 Song Name 1

 Song Name 3

 Song Name 1

GENRE

 Song Name 8

GENRE

GENRE

GENRE





Rezonate

Songs

Playlists

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Searched Keys

SONGS

☐ Song Name 1

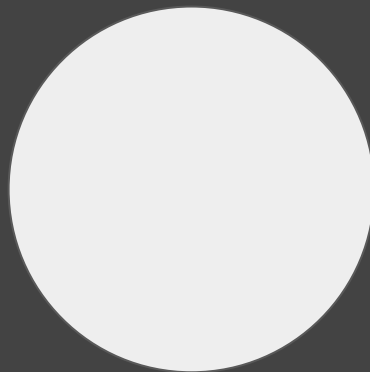
☐ Song Name 2

☐ Song Name 3

☐ Song Name 4



Click here
for lyrics to
pop up



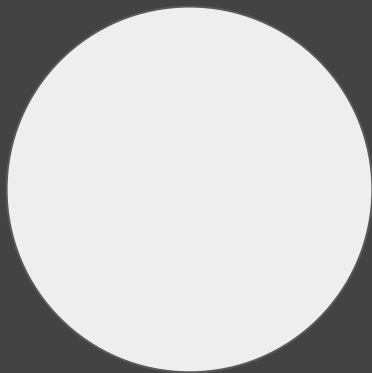
SONG NAME

Artist





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

Songs

Playlists

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Search Playlists



Searched Keys

Playlists

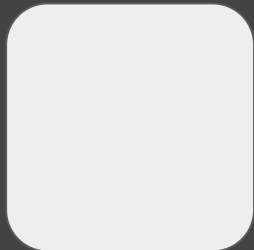
☐ Playlist 1

☐ Playlist 2

☐ Playlist 3

☐ Playlist 4

OVERARCHING TITLE



Playlist Name

Songs
Owner



Playlist Name

Songs
Owner



Playlist Name

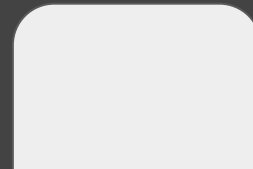
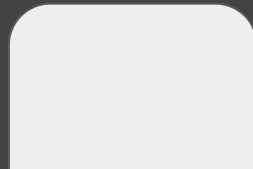
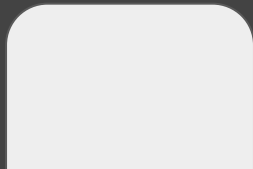
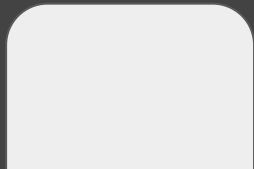
Songs
Owner



Playlist Name

Songs
Owner

OVERARCHING TITLE





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Songs

Playlists

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Searched Keys

Playlist Name



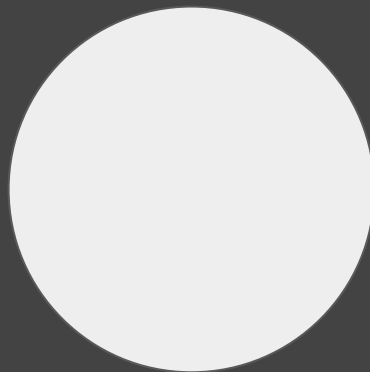
Owner

☐ 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