



Khoi Dao, Jackson West, Jack Ren, Ryan DeLoney, Yashas Salankimatt

Problem/Needs



MUSWORKS

I GOT A FEELING



- Hard to find perfect mix of songs
- Lack of assistance for constructing DJ's mix
- Application that recommends songs
- Edit songs and change song lengths

Solution



- Find recommendation for artists based on song choice
- Give DJ's a platform to assist in creating a soundtrack for them.
- User ability to upload, edit, and find new songs
- All the tools that the DJ would need in one platform.



MUSWORKS

I GOT A FEELING

APIs

Lyrics.Ovh

- Gets the lyrics for a selected song
- Helps DJs see how a song's lyrics may fit into the mix they want.

Smooth Criminal, by Michael Jackson

[Return](#)

Lyrics

As he came into the window
It was the sound of a crescendo
He came in her apartment
He left the blood stains on the carpet
She ran underneath the table
He could see she was unable
So she ran into the bedroom
She was struck down, it was her doom
Annie are you ok?
So, Annie are you ok?
Are you ok, Annie
Annie are you ok?
So, Annie are you ok
Are you ok, Annie
Annie are you ok?
So, Annie are you ok?
Are you ok, Annie?
Annie are you ok?
So, Annie are you ok, are you ok, Annie?
(Annie are you ok?)

[Download](#)

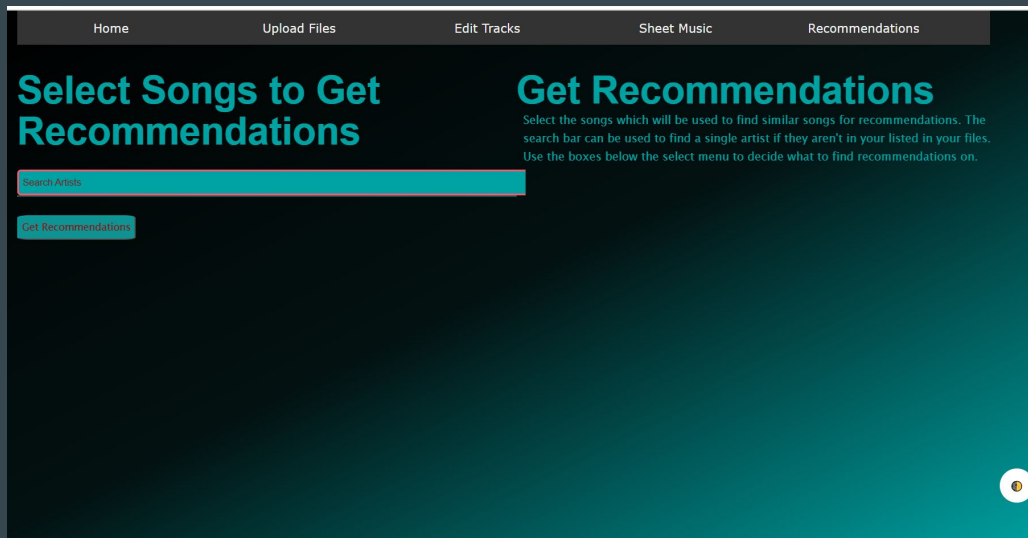
Songsterr

The screenshot displays the Songsterr website interface for the song "Black Or White" by Michael Jackson. The page features a blue sidebar on the left with navigation options: "Songs", "Favorites", "Submit Tab", "Songsterr Plus", "Questions?", and "Sign In". The main content area shows the song title, a green banner encouraging users to learn faster with Songsterr Plus, and the instrument "ElectricGuitar1 - Distortion Guitar". The tempo is set to J=120. The guitar tab is displayed on a six-string staff with fret numbers and chord diagrams. The interface includes a star icon for favorites, a share icon, and a vertical toolbar on the right with icons for play, edit, 100% speed, volume, repeat, and a settings icon.

- Gets the Sheet music for a selected song
- Helps DJs see chords and how the song works rhythmically/what chords are in the song

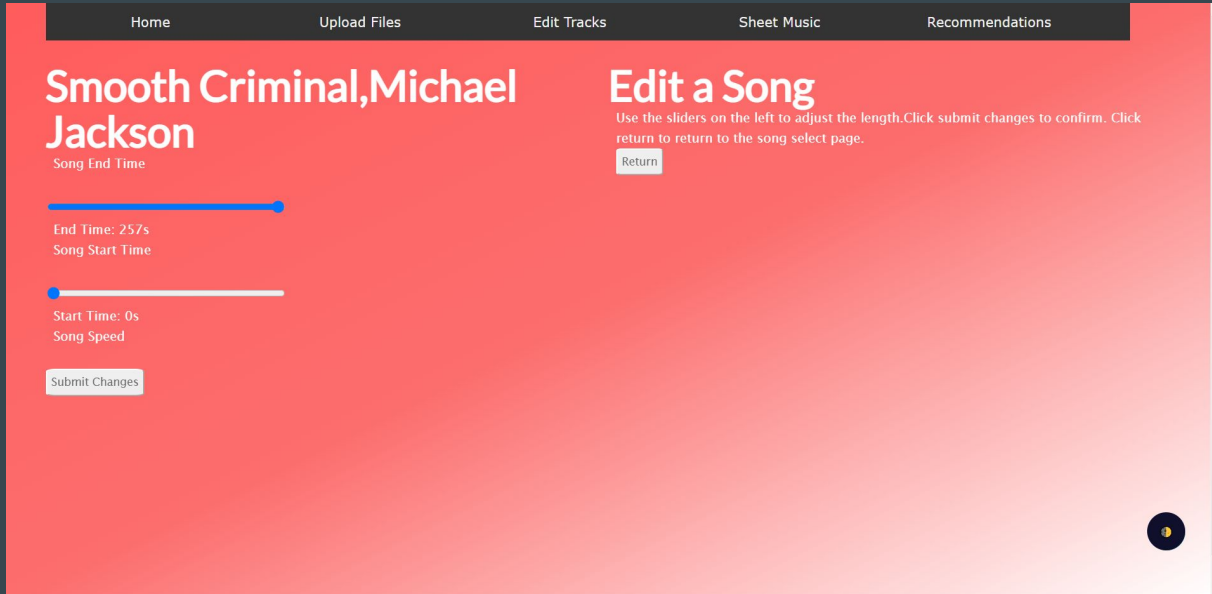
TasteDive

- Returns recommended artists
- 2 ways to get recommendations
 - Search Bar
 - Select songs/artists from uploaded files



JavaSound

- API to edit songs
- Users can edit the start and end time of songs





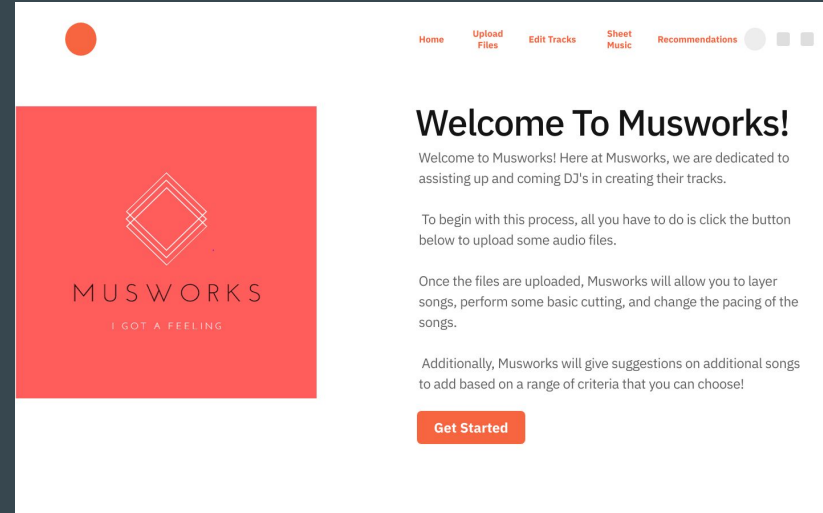
MUSWORKS

I GOT A FEELING

Development Process

Initial Development

- Initially listed out features and created a mockup of the program GUI
- Then the main functions were split up between team members
 - Lyrics implementation
 - Recommendations
 - Website infrastructure
 - General UI work
- Once each part of this was done, we came together and integrated it into the website for a mostly functioning prototype

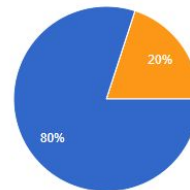


User Studies

- Consisted of a pre-study survey, post-study survey and a user experience study with a team member
- Gave us feedback on the visuals of the site
- Found issues with our file system
- Found some unclear instructions and parts of website
- Reiterated need to fix parts that weren't working at the time
 - Editing songs
 - Download sheet music button

Did you feel the recommendations given by Musworks were relevant?

5 responses



● Yes
● No
● For some of the artist, they have the similar genre with the simple songs, but there are also some that seems not related to the simples.

Would consider listening to the suggestions Musworks provided?

5 responses



● Yes
● No
● Maybe

Development After User Studies

- Mainly focused on finishing other misc functionality of website and fixing problems from user feedback
- Led to updated site visuals
- Finished editing functionality of the website
- Reworked our file system
- Added accessibility features
 - Tabbing through support
 - Dark theme





MUSWORKS

I GOT A FEELING

Demonstration