



Shuffle

Group 16

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Problem Statement

- Many people use YouTube to watch music videos
- YouTube's UI is inefficient for use as just a music player
- Existing solutions exist, but are barebones



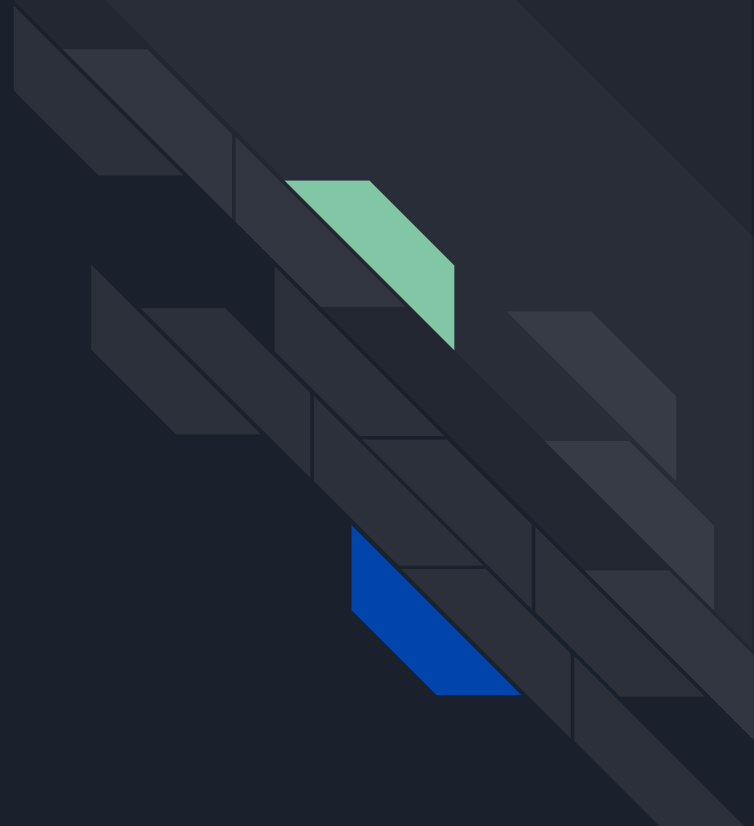


Our Key Requirements

- Achieve YouTube video playback
- Restrict output to music videos
- Allow for user-curated music searches
- Automated and user-controlled video playback
- Support on desktop HTML5 environments
- Clean visual appeal and efficient interface/functions

We Have A Live Version!
Try For Yourself

tiny.cc/shuffle



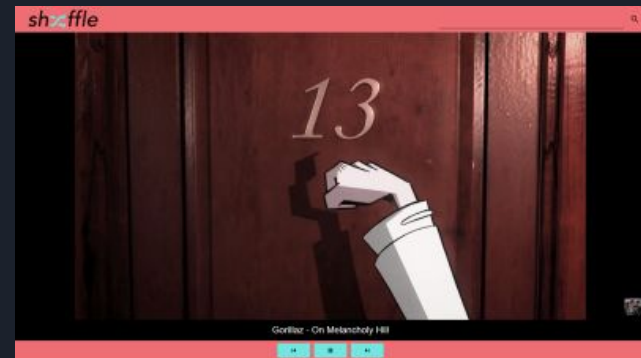


Demo!

What's the Difference?



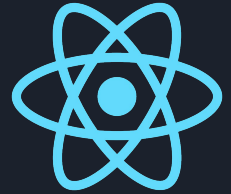
- Search bar for curation
- Song title on page
- Wider search base
- UI overhaul





Under the Hood

- React for modularizing code components
- Search function utilizing YouTube data API calls
- Node.js to compile the project
- HTML5 app structure





Team Workflow

- Team meetings weekly, with frequent follow-up through online messaging (Discord)
- Managing project progress and deadlines through GanttProject
- White-box unit testing of individual modules/functions
- Black-box testing of external interface for correctness and efficiency



What's Next?

- “Up next” queue at bottom
- Playlist saving
- Expansion to mobile platforms
- Music/search term suggestions

A blue parallelogram and a light green parallelogram are positioned in the upper-left corner of the slide. The blue shape is partially behind the green one. Both shapes are oriented diagonally, with their longer sides running from the top-left towards the bottom-right. The background of the entire slide is a dark navy blue, featuring faint, larger-scale diagonal stripes in a slightly lighter shade of navy.

Any Questions?