LYRICSENSE

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Project Description

- Vision
  - For music listeners who want to develop a stronger connection with their favorite artists.
- Problem:
  - Music listeners want to know the deeper meaning behind songs that they love, and want to be able to share those meanings with their friends.
- Solution:
  - LyricSense is a website created to be able to address this problem through user creating accounts and searching for songs. It provides the lyrics and real-time chat gpt interpretations of these lyrics, while also allowing users to share with friends, view past searches, and explore song's background data.
- LyricSense is a great way to learn more about your favorite songs. Whether its about what the lyrics mean, the studio equipment that made it possible, or the anecdotes behind its creation.

LYRICSENSE   Search Users

LYRICSENSE

A tool that uses artificial intelligence to help you delve deep into the meaning and history of song lyrics.

Get Started

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LYRICSENSE

Search by Artist, Song, or Album

Search for:

ICU
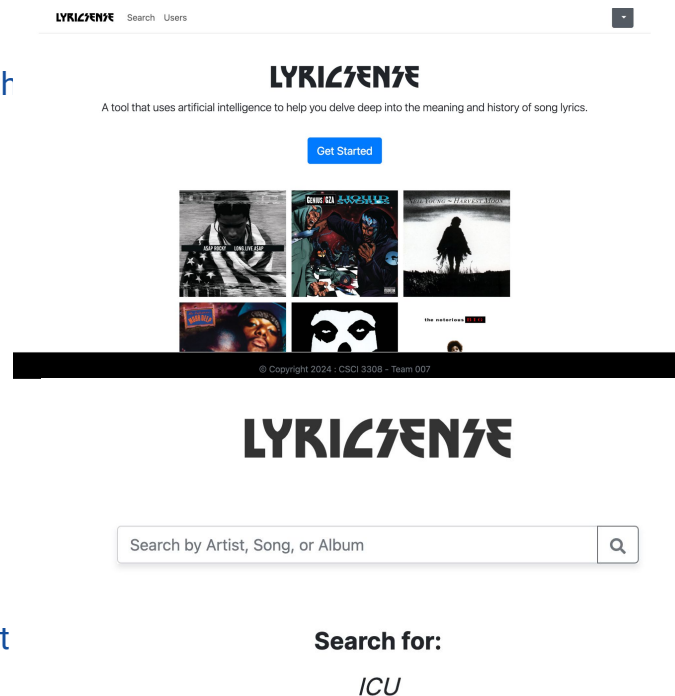
Results for 'the weekend'

Title	Artist	Album
The Weekend	SZA	Ctrl
The Hills	The Weeknd	Beauty Behind The Madness
The Weekend	SZA	Ctrl (Deluxe)
Blinding Lights	The Weeknd	After Hours
Die For You	The Weeknd	Starboy
Earned It (Fifty Shades Of Grey)	The Weeknd	Beauty Behind The Madness

The Hills

The Weeknd

Beauty Behind The Madness

Background

Yeah
Yeah

The Hills

PREVIEW E he Weeknd

Save on Spotify

The repetition of "Yeah" in these lyrics emphasizes agreement or affirmation, often used to enhance the

Tools Used

- Project tracker
  - Github project board - to track project progress and who's doing what
  - 3 stars
- VCS Repository
  - Github - to have a remote repository
  - 4 stars
- Database
  - PostgreSQL - in order to create our user db
  - 5 stars
- IDE
  - VSCode - used as a coding environment for writing the website
  - 5 starts
- UI Tools
  - HTML and Handlebars - to add to our website in terms of templating and basic structure
  - Both 5 stars
- Wireframe maker
  - Figma
  - 5 stars

GitHub

PostgreSQL

HTML 5

handlebars
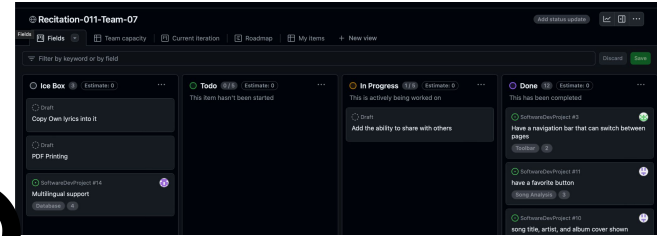
Tools Used

- Application Server
  - NodeJS - used it to build or website faster and using server-side application
  - 4.5 stars
- Deployment environment
  - Google Chrome - to run our application on the web and test to make sure it works
  - 5 stars
- External API's
  - Spotify, ChatGPT, and Lyrics.ovh - all allow for us to interact with third-party data
  - Spotify/ChatGPT 4.5 stars, lyrics.ovh 4 stars
- Framework
  - Node.js - help build a scalable website
  - 5 stars
- Color picker
  - Node-vibrant - finds dominant color of album covers
 - 4.5 stars

Project Management

- Used the project tracker on Github to manage tasks and where they are

- Meet with the TA at 2:20 on Mondays

- Meet once or twice a week as a team to discuss updates

- Used Discord in order to communicate

- Used an Agile approach for our team
  - Utilizing sprints
 - Can easily adjust to problems and change

Architecture Diagram

Front-End

WEB

HTML   CSS   Javascript

Back-End

NodeJS

Spotify, ChatGPT, Lyrics.ovh

PostgreSQL
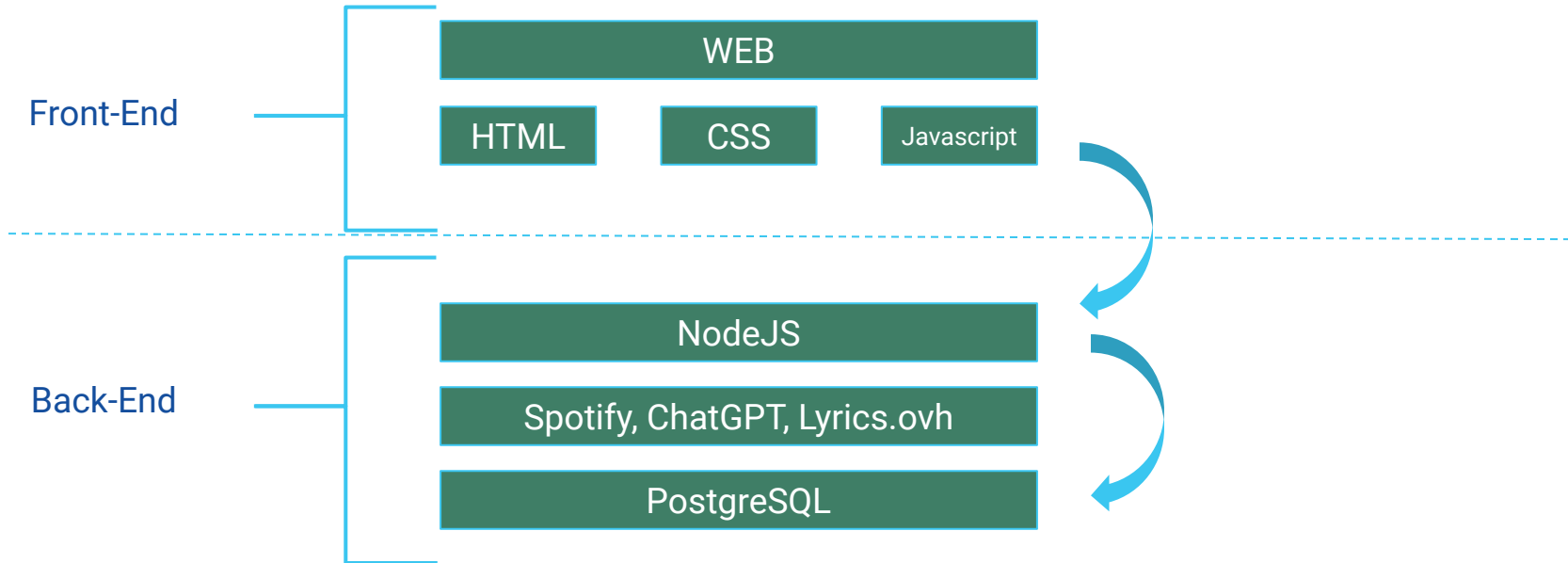
Challenges

- Which API to use for our lyrics for a given song
  - Found lyrics.ovh
- Had lots of issues with git (in terms of bugs getting pushed and lots of rebase/merge conflicts)
  - Everyone in the group downloaded github desktop, which helped a lot with how to make sure branches were up to date
- Throughout the project had issues with docker because of our env file
  - Once the env file was fixed had to distribute it individually in order to run docker
- Had lots of little bugs here and there for different pages and buttons
  - Spent time working with one another, learning on our own, and attending office hours
- Struggled and failed to make GPT analysis stream
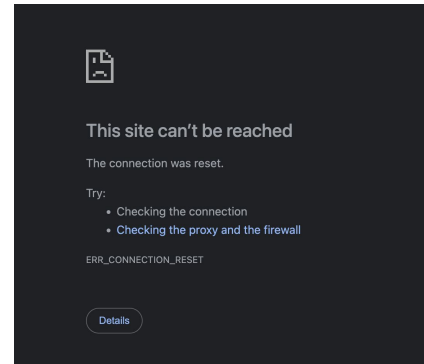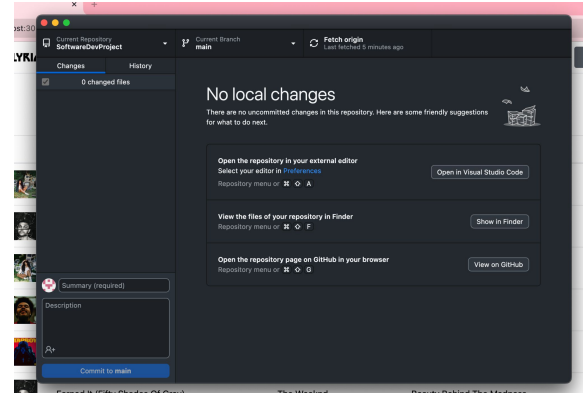
Future Scope/Enhancements

1. Being able to copy own lyrics

2. Printing out the interpretations in PDF or word format

3. Allow for the website to be multilingual

4. Add a feature to add the interpretations to the users social media accounts

5. AI agents to frequently update pages

By adding these things to our project we would expect that it would increase the amount of things user's would want to do and user our website for, while also allowing them to share with others.

Project Demo!