

Genius | FullStack Take-Home Challenge



Lyrica version 1.0.0.

Instructions & Overview

This project uses [node](#) and [npm](#).

- This a component-based, object-oriented, web application leveraging:
 - [React.js](#)
 - [Babel.js](#)
 - [TailwindCSS](#)
 - [PostCSS](#)
- This project uses [Parcel.js](#) as it's bundler/build framework.
- To simulate 'real-world' usage, the dataset for this challenge is not loaded locally, but instead is served to the application via a CDN; [jsDelivr](#) specifically.
- Configuration variables, used to secure/obfuscate the data source, are stored within the '.env' file in the root directory.

Installation

Instructions for installing this project locally.

```
# Install Node JS & Node JS Package Manger (NPM).  
$ brew install node (OSX)  
$ sudo apt update && sudo apt install nodejs npm (Linux)  
  
# Check versions  
$ node --version  
$ npm --version  
  
# Open the source directory  
$ cd fullStack_take-home_challenge  
  
# Install all application dependencies.  
$ npm i  
  
# Install Parcel.js web application bundler.  
$ npm i -g parcel@latest
```

Usage

Instructions for running this project locally.

```
# Run local development server.  
# This will run the web app in a web local server.  
# The default port is 1234, i.e. 'http://localhost:1234'  
$ npm run build:dev  
  
# Then open http://localhost:1234 to interact with the web app.  
  
# Note the 'Dot-Env' NPM module will throw a couple warnings, via the cmdline during the build process, due to a path resolution dispute between  
  
# This is NOT a syntax or runtime error--it will not stop or affect the build process.  
  
# Once the build is ready and served via localhost, the console output will stop and there will be a build status message, i.e. 'Built in 21.90  
  
# You can also create portable build (for external migration/hosting via the dist directory).  
$ npm run build:qa
```

Structure

The project's file structure is listed below for reference.

Documents

- | SCALING CHALLENGES & SOLUTIONS.md - Markdown version of response to the scaling prompt.
- | SCALING CHALLENGES & SOLUTIONS.pdf - PDF version of response to the scaling prompt.
- | INSTRUCTIONS.pdf - PDF version of the project instructions & overview.
- | README.md - Markdown version of the project instructions & overview.
- | TASKS.md - Analysis and notes about the challenge.
- | OUTPUT.txt - Web application data output.

Source Code

- | .env
- | .babelrc
- | .eslintrc
- | .eslintres
- | .gitignore
- | .postcssrc
- | package.json
- | index.html
- | node_modules
- └─ assets
- └─ scripts
 - └─ lib.lyrica.js
 - └─ app.js
 - └─ components
 - └─ Display.jsx
 - └─ classes
 - └─ lyricalprofiler.js
 - └─ lyricalParser.js
 - └─ lyricalAnalyser.js
- └─ styles
 - └─ app.scss

- └─ animation.scss
- └─ extends.scss
- └─ mixins.scss
- └─ vars.scss

