

## Browser Music Player 🎵 Built for FLExiSAF Internship Program Final Hands-on Project

A lightweight, browser-based music player built with vanilla JavaScript, HTML5, and CSS. Supports file selection, reads embedded audio metadata (title, artist, cover art), and provides smooth playback controls.

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### 🌿 Overview

The **Browser Music Player** is a front-end application that allows users to upload and play audio files directly in the browser. It extracts and displays metadata such as song title, artist name, and cover art using the jsmediatags library.

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### 🚀 Features

- ☒ Add and play local .mp3 or .wav files.
  - ☒ Displays song title and artist from metadata.
  - ☒ Automatically fetches and displays cover art if available.
  - ☒ Responsive progress bar and current time display.
  - ☒ "Clear Songs" button to reset playlist.
  - ☒ Playlist view and clickable song entries.
  - ☒ Fallbacks for missing metadata or images.
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## 😞 Pain Points Addressed

This project solves several real-world pain points:

- **Lack of Simple, Offline Music Playback Tools:** Many music players are bloated with ads, unnecessary features, or require internet access. This project offers an offline, ad-free solution that runs entirely in the browser.
  - **Metadata Visibility and Reliability:** Unlike default browser players, this app reads and shows local audio file metadata including album art.
  - **Difficulty Managing Playlists:** Users may often prefer to play several songs easily without creating formal playlists. This player supports multiple file selection, automatically queues tracks, and offers an option to clear or reset the playlist with one click.
  - **Cross-platform:** Runs on any modern browser, no installation required.
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## 🔧 Technologies Used

- **JavaScript (ES6+)**
  - **HTML5**
  - **CSS3**
  - [jsmediatags](#) – for reading audio metadata
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## 📦 Installation

To run the project locally:

```
gh repo clone michaelo-o/flexisaf-final-musicplayer
cd flexisaf-final-musicplayer
```

Then simply open index.html in your browser.

No build tools or dependencies required.

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## ▶ Usage

1. Click the **"Add Songs 🎵"** to add audio files.
2. Click on any song in the playlist to start playback.
3. Use the **Play, Pause, Next, Shuffle, or Loop** buttons as needed.
4. View current track info: title, artist, and cover art.
5. Click **"Clear Songs 🗑"** to reset the playlist.

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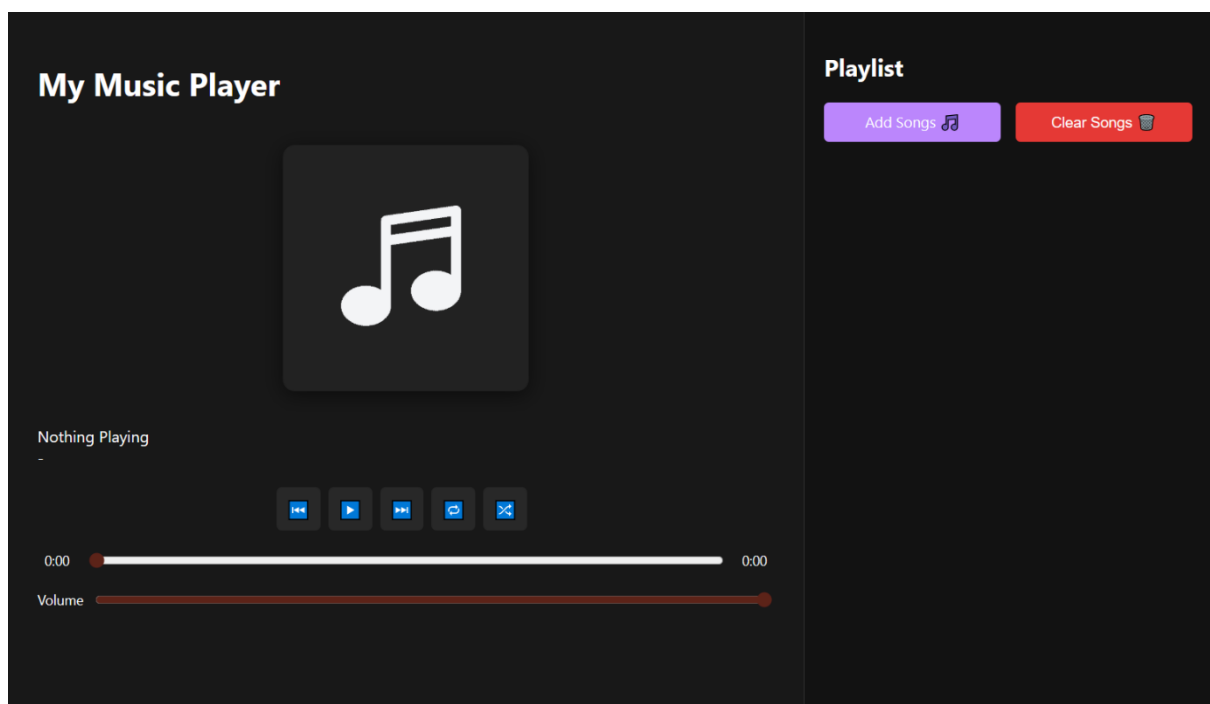
## Folder Structure

flexisaf-final-musicplayer/


```
├── assets/
│   └── img/
│       └── default-cover.png
├── index.html
├── styles.css
├── script.js
└── README.md
```

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## Screenshots



# My Music Player



Now Playing: Don't Be A Stranger  
Cartoon feat. Jason Diaz

⏮

⏸

⏭

🔄

🔍

1:173:00

Volume

## Playlist

Add Songs🎵Clear Songs🗑

Luna  
Abandoned & GalaxyTones Feat. DNAKM

⏮⏭🗑

Spectre  
Alan Walker

⏮⏭🗑

Grow  
Alisky feat. VØR

⏮⏭🗑

Don't Be A Stranger  
Cartoon feat. Jason Diaz

⏮⏭🗑

Your Stories  
Cartoon feat. Kait Toome

⏮⏭🗑

Ten More Minutes  
CHENDA & Shiah Maisel

⏮⏭🗑

Healing  
Clarx & Moe Aly

⏮⏭🗑

Ruined My Life

⏮⏭🗑

### ⚠ Known Issues

- Very large files may take a second to process.