Music Player

A simple and modern music player web application built with React 19, Vite, and TailwindCSS. This app allows you to play, pause, skip, and control the volume of songs from a playlist with a clean and responsive user interface.

Live Link

You can test the project by clicking here: https://student-teacher-appointment-eight.vercel.app/. Enjoy!

Features

- Play, pause, and skip songs (next/previous)
- Volume control with slider
- Seek bar to navigate within the current song
- Display of song title, artist, album cover, and duration
- Playlist management with sample songs
- Responsive and user-friendly UI styled with TailwindCSS

Installation

1. Clone the repository:

   git clone <repository-url>
   cd music-player

2. Install dependencies:

   npm install

3. Start the development server:

   npm run dev

4. Open your browser and navigate to the URL shown in the terminal (usually

http://localhost:5173).

Usage

- Use the play/pause button to start or pause the current song.

- Use the next and previous buttons to navigate through the playlist.

- Adjust the volume using the slider.

- Click or drag on the progress bar to seek to a different part of the song.

- The playlist displays the available songs; clicking on a song will start playing it.

Technologies Used

- React 19

- Vite (build tool)

- TailwindCSS (styling)

- JavaScript (ES Modules)

Project Structure

```
.
├── public/              # Static assets (images, music files)
│   ├── assets/
│   │   ├── img/          # Cover images and icons
│   │   └── music/        # Audio files
├── src/                 # Source files
│   ├── components/       # React components (Player, Controls, Playlist, UI elements)
│   ├── data/            # Sample data (sampleSongs.js)
│   ├── utils/           # Utility functions (e.g., formatTime)
│   ├── App.jsx           # Main app component
│   ├── App.css           # App-specific styles
│   └── main.jsx          # Entry point
├── package.json          # Project metadata and scripts
├── vite.config.js        # Vite configuration
```

└── README.md   # This file

Scripts

- npm run dev - Start the development server
- npm run build - Build the app for production
- npm run preview - Preview the production build
- npm run lint - Run ESLint to check code quality

Sample Songs Data

The app uses a sample playlist defined in src/data/sampleSongs.js with song objects containing:

- id: Unique identifier
- title: Song title
- artist: Artist name
- album: Album name
- cover: Path to cover image
- src: Path to audio file

License

This project is private and not licensed for public use.

If you have any questions or want to contribute, feel free to reach out or open an issue.