

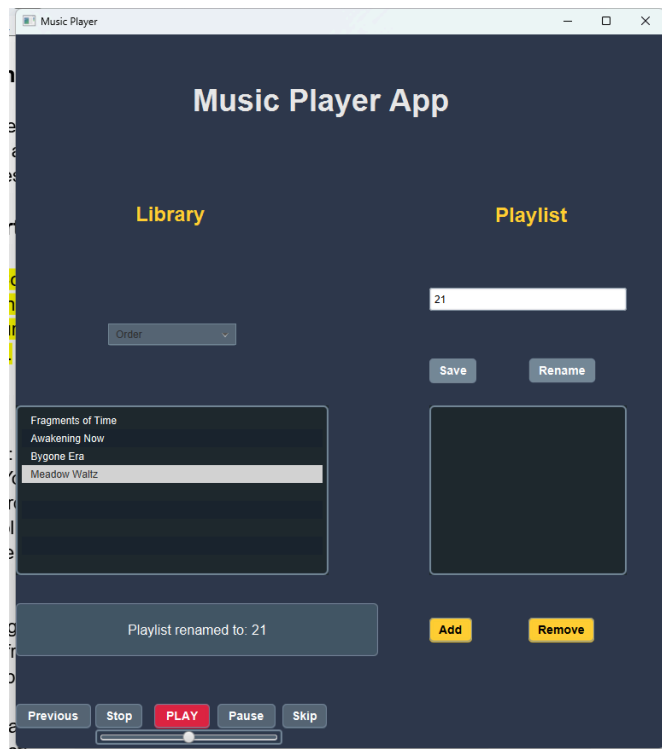
Music Player Application - User Manual

Introduction

Welcome to the Music Player application! This guide will help you understand how to use the features of the application, including playing songs, managing playlists, and switching playback modes.

Getting Started

Main Interface:



Library Playlist (as shown on the left): A list of all available songs in the application.

User Playlist (as shown on the right): Your custom playlist.

Playback Controls: Buttons for Play, Pause, Stop, Skip, and Previous.

Volume Control: Slider to adjust the volume.

Playback Mode Selector: Dropdown to switch between Order, Shuffle, and Loop modes.

Features

- Playing Songs

That's the single most important thing you want to do with a music player. Simply select a song from the Library or User Playlist and then click the Play button to start playback. Of course, you get to skip to the next if you don't feel like this current song matches your taste. Or you can go back to the previous one if you really enjoyed it. You also have Stop and Pause buttons at your disposal!

- Playlist Management
 - Create a Playlist:

If you ever feel like putting some of your favorites together in one place, enter a name in the Playlist Name text field and click Save to name your playlist.
 - Add a Song:

Want another song in your own playlist? Select a song from the Library Playlist and click Add button!
 - Remove a Song:

Change your mind? No worries, select a song from the User Playlist and click Remove to get rid of it.
 - Rename a Playlist:

We've all run into situations where we don't like the name we gave for something. If that's the case, enter a new name in the Playlist Name text field and click Rename.
- Playback Modes

We offer three distinct modes to match your vibe of the moment!

Order Mode: Plays songs sequentially.

Shuffle Mode: Plays songs in random order.

Loop Mode: Repeats the current song indefinitely.

Select your preferred mode from the Playback Mode dropdown menu.
- Volume Control

Of course, last but certainly not the least, you can use the volume slider to adjust playback volume.

Troubleshooting

- No sound

Ensure the volume is not muted by checking either the system volume or the built-in volume slider. Verify that the audio file is not corrupted.
- Song doesn't play:

The following information is more technical than something that appears in a typical user manual. Because of the time constraints of the development process, we implemented the feature of importing songs to the music player application in a relatively "not-so-smart" way. Please check the "**MusicPlayerController.java**" file, starting from **line 99**, ensure the file paths of all imported songs are valid and accessible. The following screenshot is provided as a reference.

```
MusicPlayerApp.java  MusicPlayerController.java  MusicPlayerApp.class
24  public class MusicPlayerController { 2 usages
80
81      @FXML
82  </> private Label lblTimeElapsed;
83
84      int count = 0; no usages
85
86      MediaPlayer musicPlayer = null; 19 usages
87
88      private int currentSongIndex = 0; 15 usages
89
90      private String userPlaylistName = "My Playlist"; // Default playlist name 4 usages
91
92      private String playbackMode = "Order"; // Default mode 9 usages
93
94      private List<Integer> shuffledIndexes = new ArrayList<>(); 6 usages
95
96      private int shuffleIndex = 0; 6 usages
97
98      // Add paths to your music files here
99      private final String[] songs = { 7 usages
100          "C:\\Users\\keker\\Downloads\\CIS434-FinalProject-main\\CIS434-FinalProject-main\\Music Player Project\\music.mp3",
101          "C:\\Users\\keker\\Downloads\\CIS434-FinalProject-main\\CIS434-FinalProject-main\\Music Player Project\\music2.mp3",
102          "C:\\Users\\keker\\Downloads\\CIS434-FinalProject-main\\CIS434-FinalProject-main\\Music Player Project\\music3.mp3",
103          "C:\\Users\\keker\\Downloads\\CIS434-FinalProject-main\\CIS434-FinalProject-main\\Music Player Project\\music4.mp3"
104      };
```

- UI doesn't respond:
Restart the application.

Thank you for trying out our music player application!