



PUC Minas

**Pontifícia Universidade Católica de Minas
Gerais**

Curso: Sistemas de Informação – 2º período

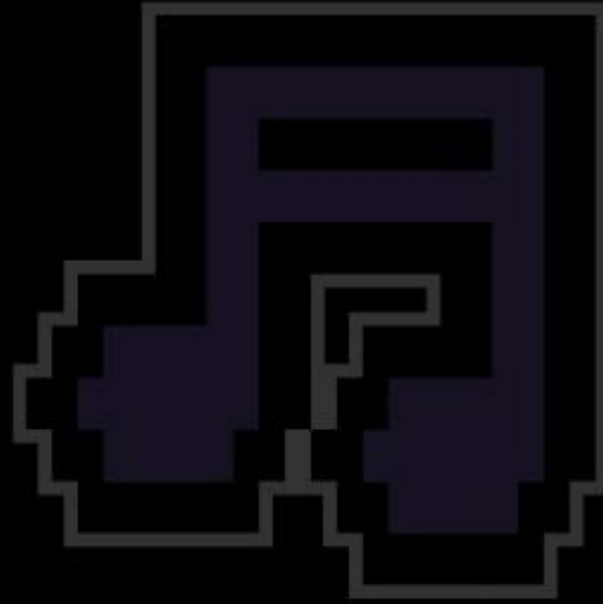
Disciplina: Algoritmos e Estruturas de Dados



**TREND
MUSIC**

Integrantes:

Gabriella Dantas, João Gustavo, Nicolas Matheus e Pedro Siqueira

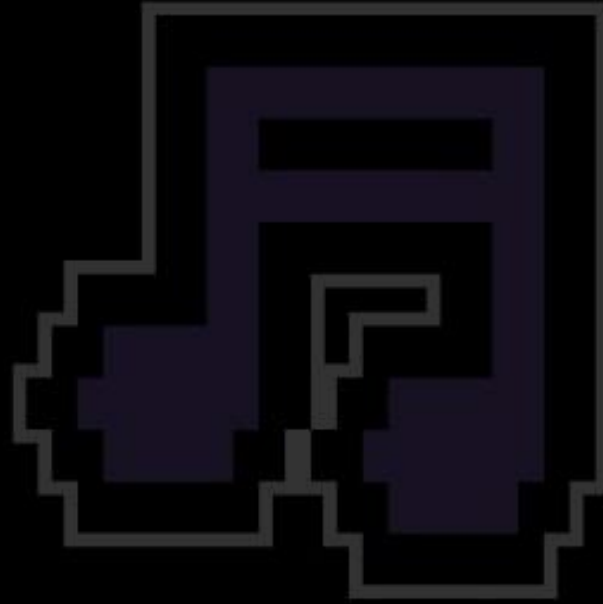


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1. Introdução

- O que é o **Trend Music?**
- Motivo da escolha do tema





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2. Cadastro e login

Cadastre-se

Usuário

Senha

Confirmar Senha

☐ Mostrar Senha

Criar Conta

Já Possui Uma Conta?
Faça Login

Tela de cadastro

Login

Usuário

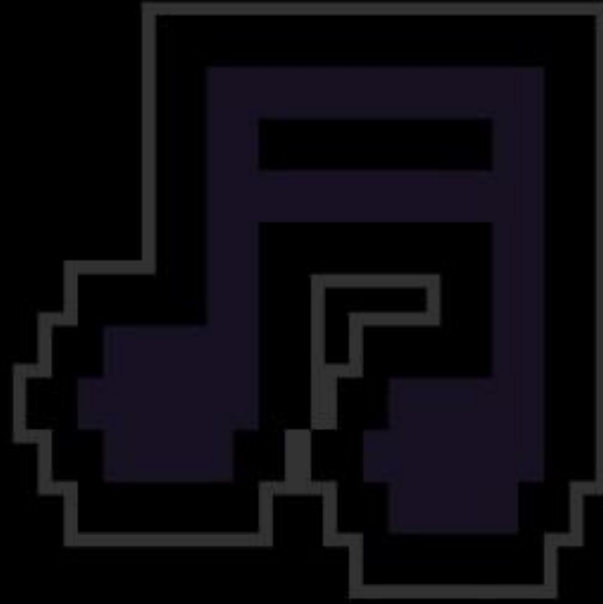
Senha

☐ Mostrar Senha

Entrar


Não Possui Uma Conta?
Faça Seu Cadastro

Tela de login





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3. Requisitos funcionais




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 Músicas

 Playlists

 Sair



gabriellaDantas




TREND
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00:00

Volume

50%





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 Músicas

 Playlists

 Sair



gabriellaDantas



SELENA GOMEZ
DE UNA VEZ

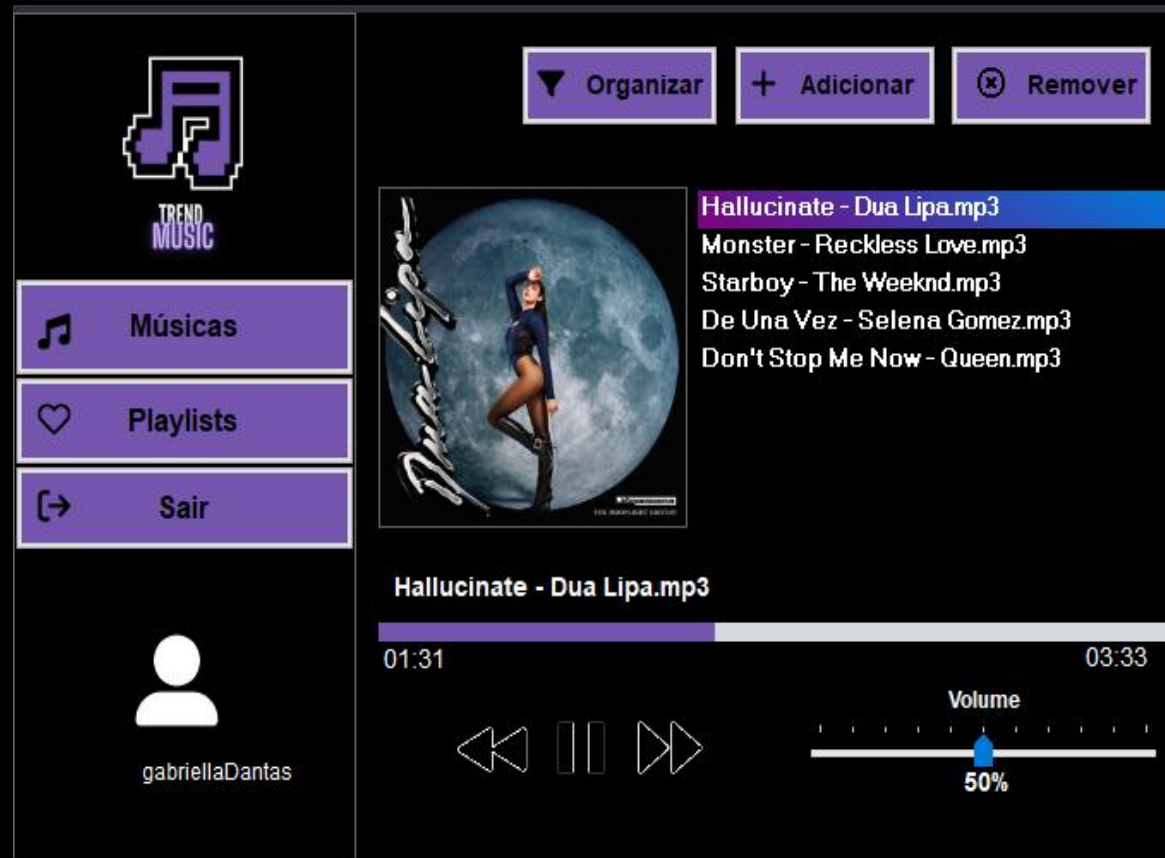
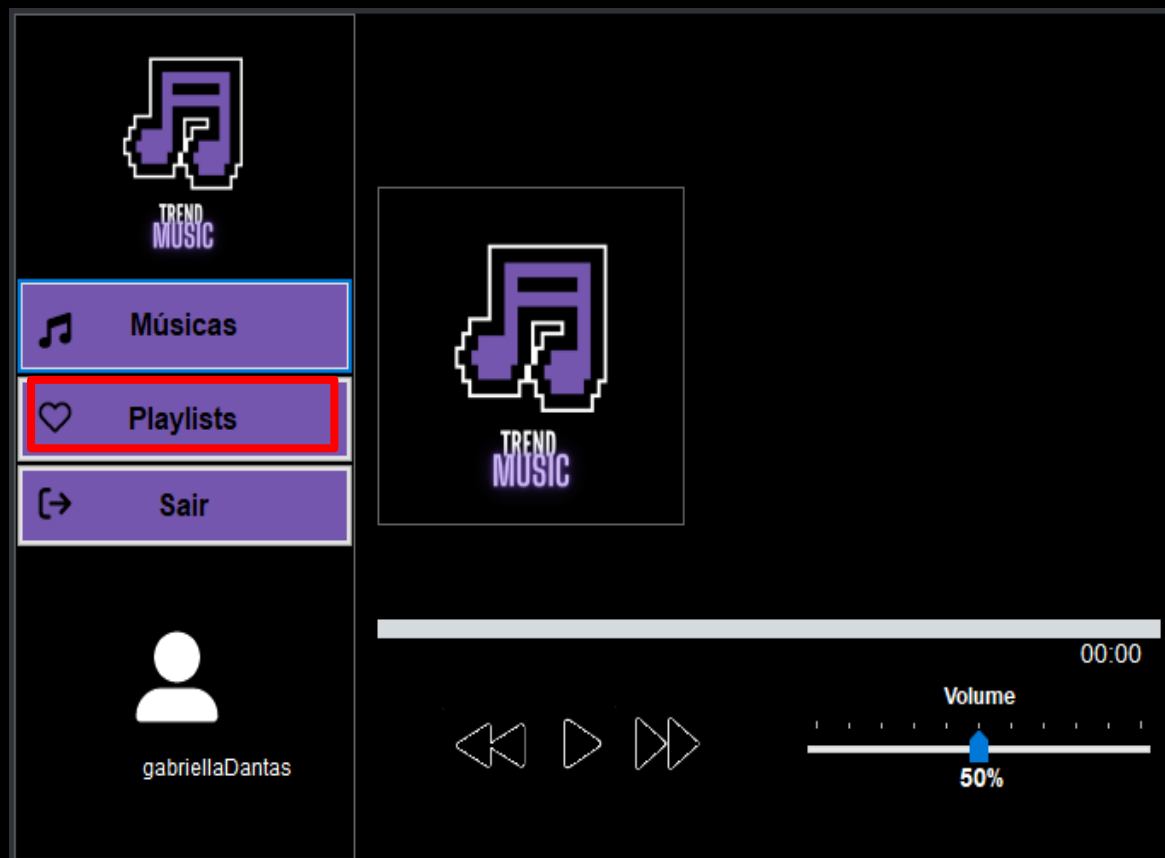
De Una Vez - Selena Gomez.mp3


00:54 02:36

Volume


50%










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 Músicas


 Playlists

 Sair



gabriellaDantas






Hallucinate - Dua Lipa.mp3
Monster - Reckless Love.mp3
Starboy - The Weeknd.mp3
De Una Vez - Selena Gomez.mp3
Don't Stop Me Now - Queen.mp3

Hallucinate - Dua Lipa.mp3


01:31 03:33


Volume


50%




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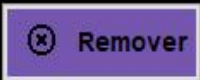


 Músicas

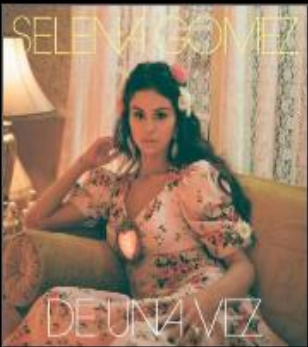
 Playlists

 Sair



gabriellaDantas






De Una Vez - Selena Gomez.mp3
Don't Stop Me Now - Queen.mp3
Hallucinate - Dua Lipa.mp3
Monster - Reckless Love.mp3
Starboy - The Weeknd.mp3

De Una Vez - Selena Gomez.mp3

00:04 02:36

Volume

50%




TREND
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Músicas

Playlists

Sair




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Organizar

Adicionar

Remove




De Una Vez - Selena Gomez.mp3
Don't Stop Me Now - Queen.mp3
Hallucinate - Dua Lipa.mp3
Monster - Reckless Love.mp3
Starboy - The Weeknd.mp3

Hallucinate - Dua Lipa.mp3

00:03 03:33

Volume

50%




TREND
MUSIC

Músicas

Playlists


Sair



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Organizar

Adicionar



TREND
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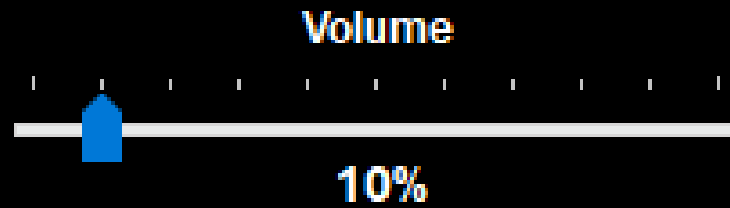
De Una Vez - Selena Gomez.mp3
Don't Stop Me Now - Queen.mp3
Monster - Reckless Love.mp3
Starboy - The Weeknd.mp3

03:33

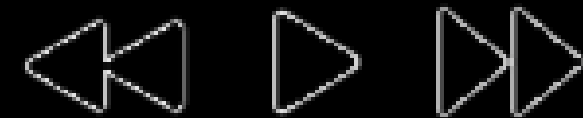
Volume

50%

Volume

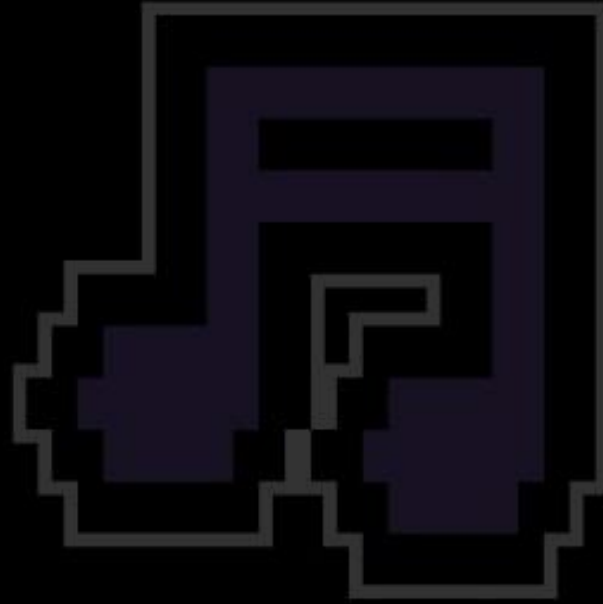


Controles



Barra de progresso





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4. Arquivos

Músicas

- AxInterop.WMPLib.dll
- CircularProgressBar.dll
- CircularProgressBar.xml
- db_users.txt
- FontAwesome.Sharp.dll
- Guna.UI2.dll
- Interop.WMPLib.dll
- Player Media.exe
- Player Media.exe.config
- Player Media.pdb
- playlist.txt
- taglib-sharp.dll
- WinFormAnimation.dll
- WinFormAnimation.xml

Login

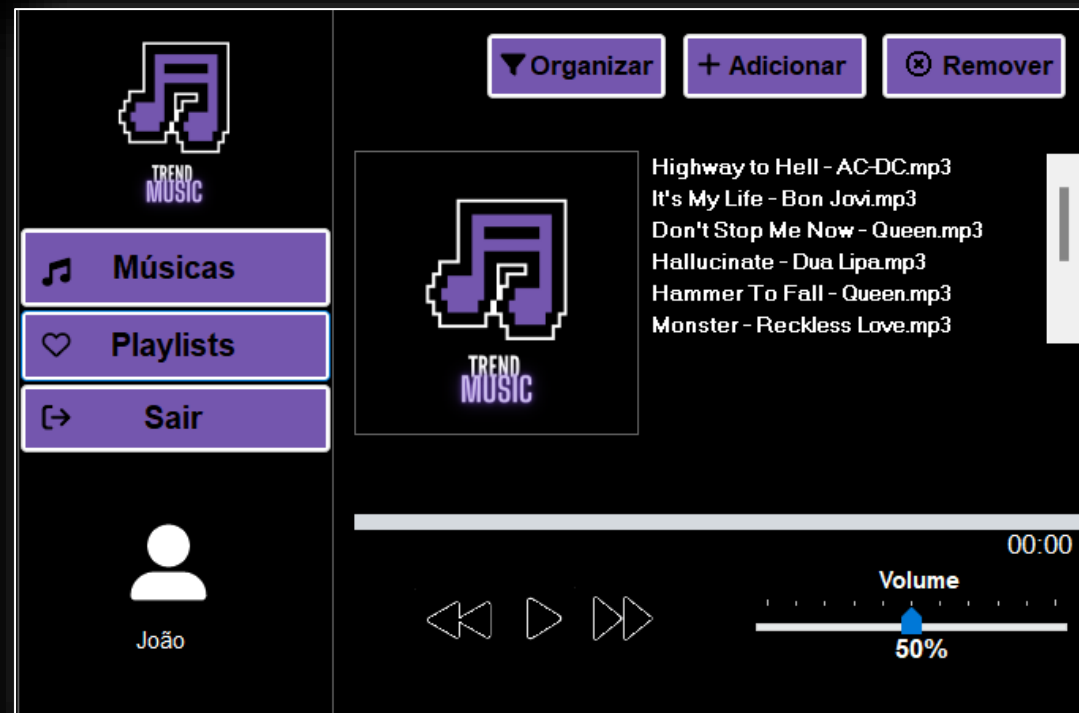
Usuário

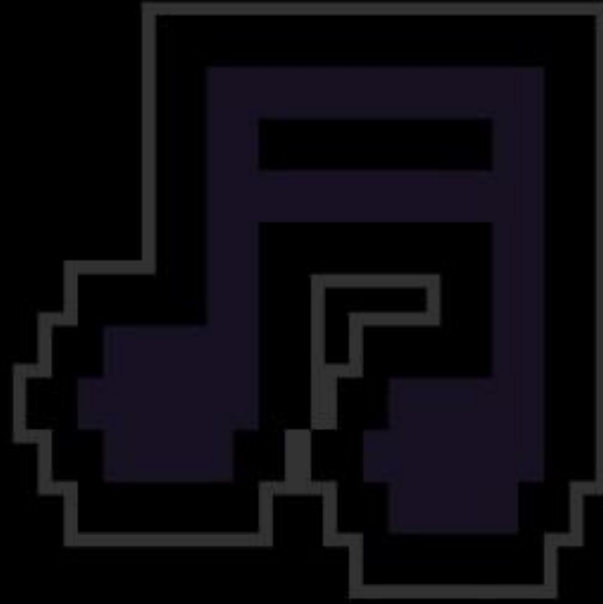
Senha

☐ Mostrar Senha

Entrar

Não Possui Uma Conta?
Faça Seu Cadastro

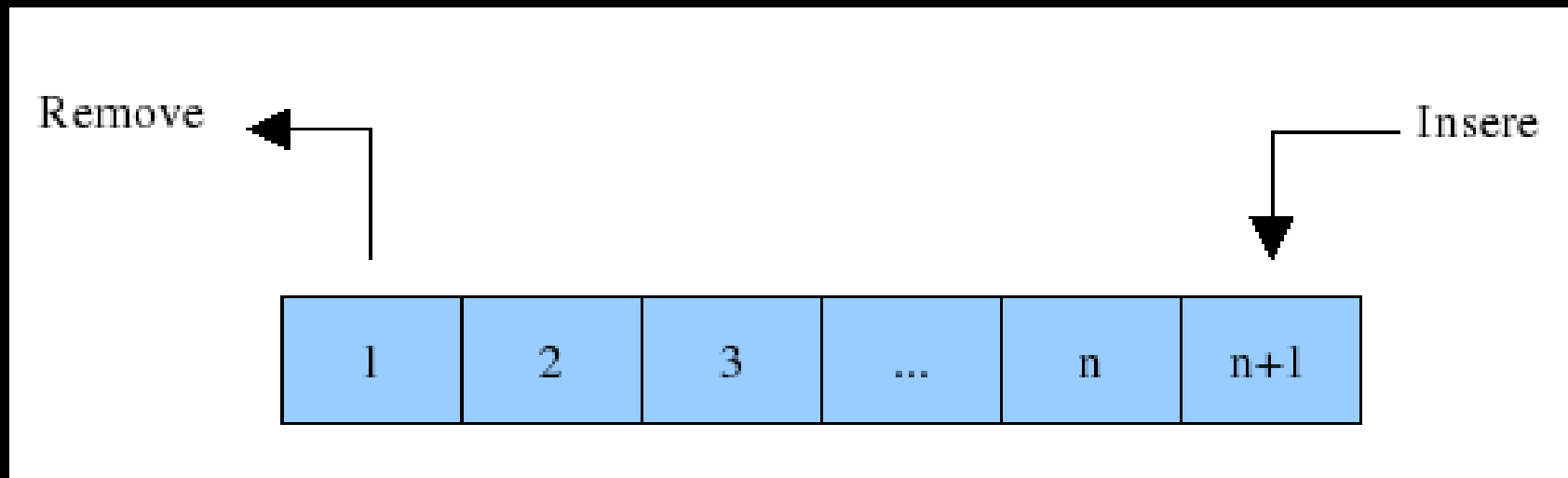


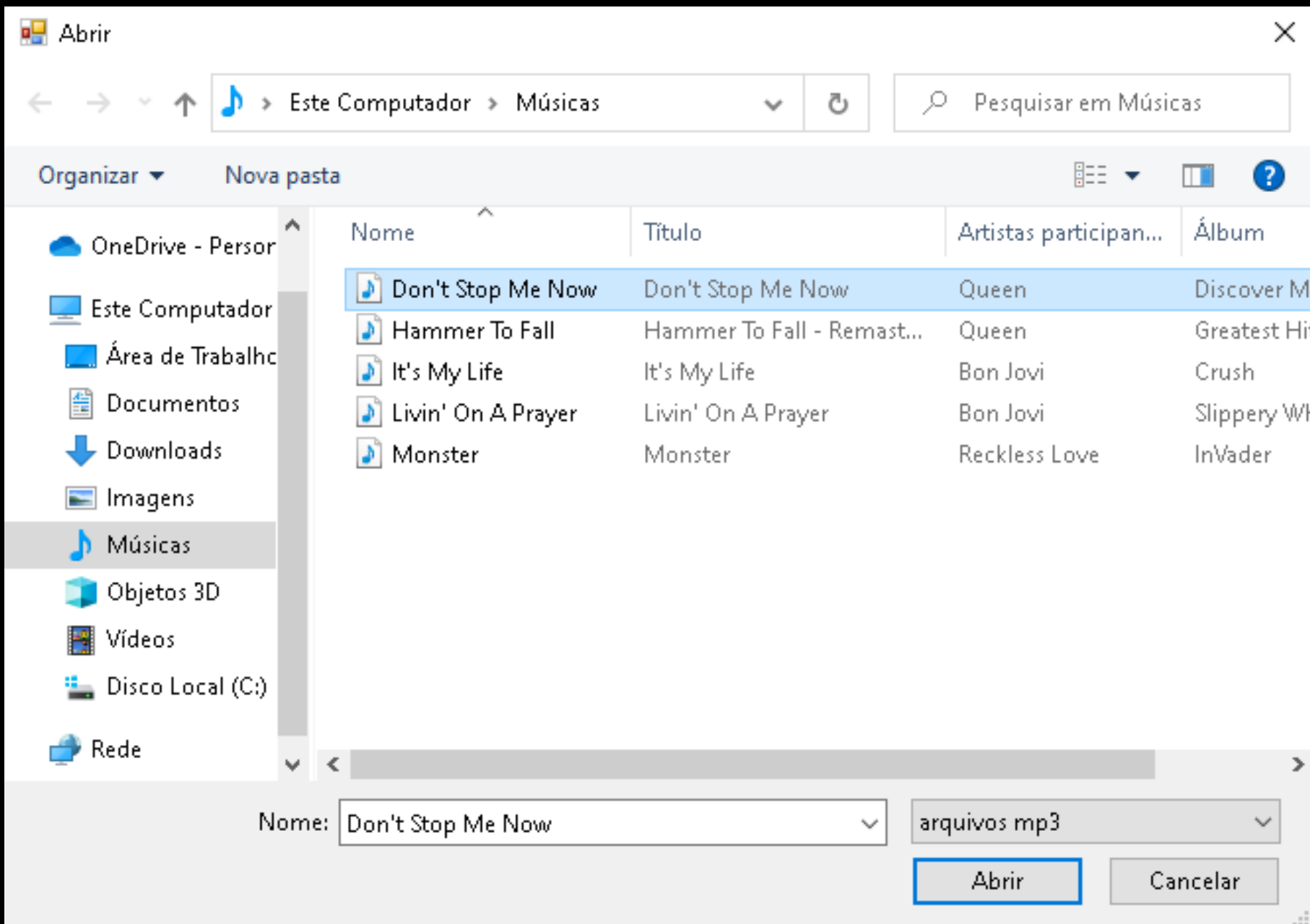


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5. Estruturas de dados

- Inserção na playlist;
- Fila;
- Sequência de itens.







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Músicas



Playlists



Sair



pedrosiqueirapb



Organizar



Adicionar



Remover



Don't Stop Me Now.mp3

Hammer To Fall.mp3

It's My Life.mp3

Livin' On A Prayer.mp3

Monster.mp3

Don't Stop Me Now.mp3

00:24

03:00

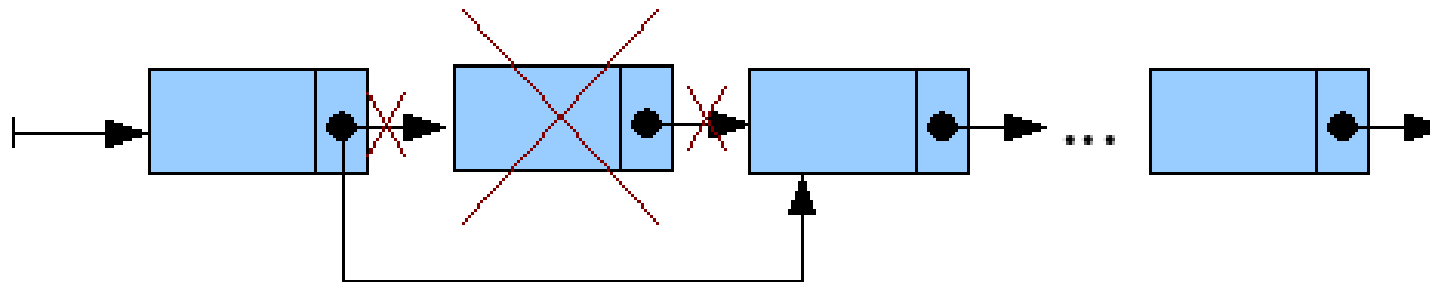


Volume



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- Remoção na playlist;
- Lista;
- Posição desejada.





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Músicas



Playlists



Sair



pedrosiqueirapb



Organizar



Adicionar



Remover



Don't Stop Me Now.mp3

Hammer To Fall.mp3

It's My Life.mp3

Livin' On A Prayer.mp3

Monster.mp3

Livin' On A Prayer.mp3

02:33

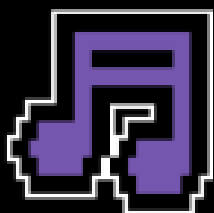
03:00



Volume



50%



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Músicas



Playlists



Sair



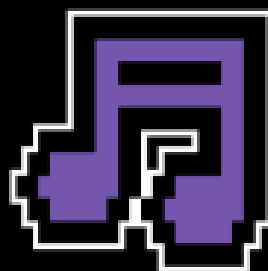
pedrosiqueirapb



Organizar



Adicionar



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Don't Stop Me Now.mp3

Hammer To Fall.mp3

It's My Life.mp3

Monster.mp3



03:00

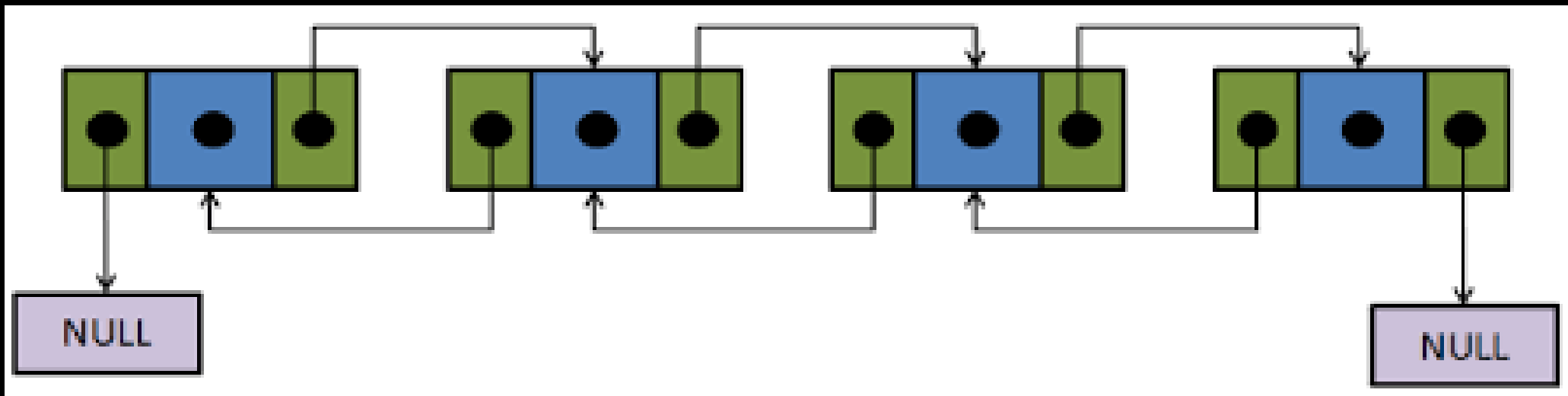


Volume

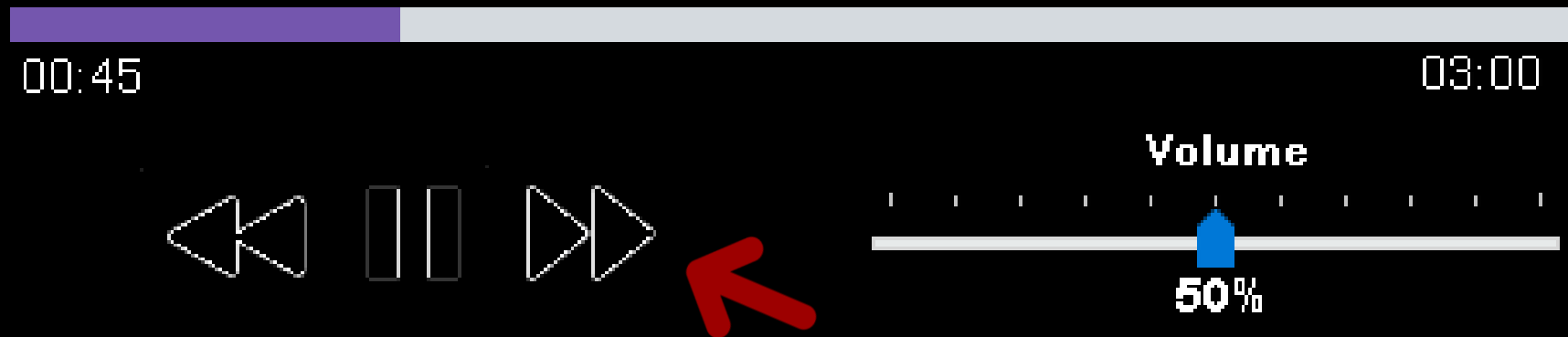


50%

- Percorrer a playlist
- Lista duplamente encadeada
- Dois sentidos



Hammer To Fall.mp3



It's My Life.mp3

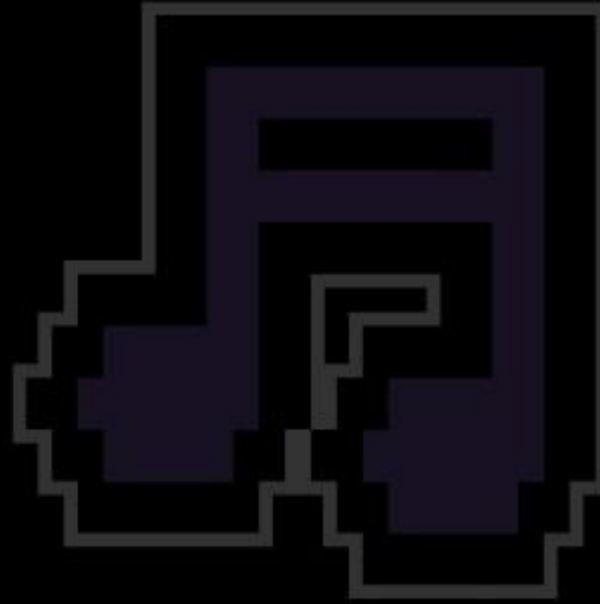


Livin' On A Prayer.mp3



It's My Life.mp3

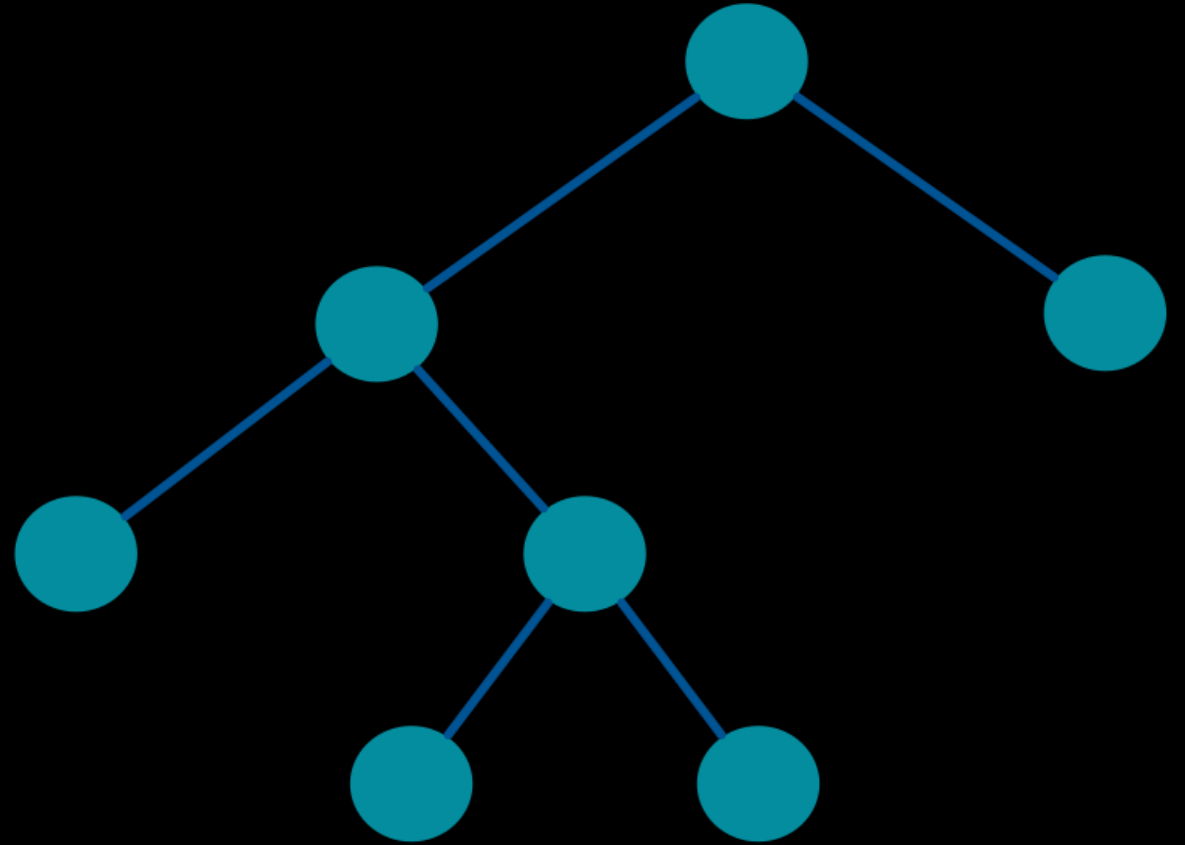


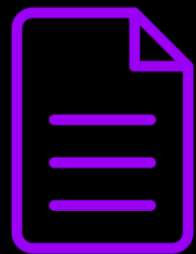


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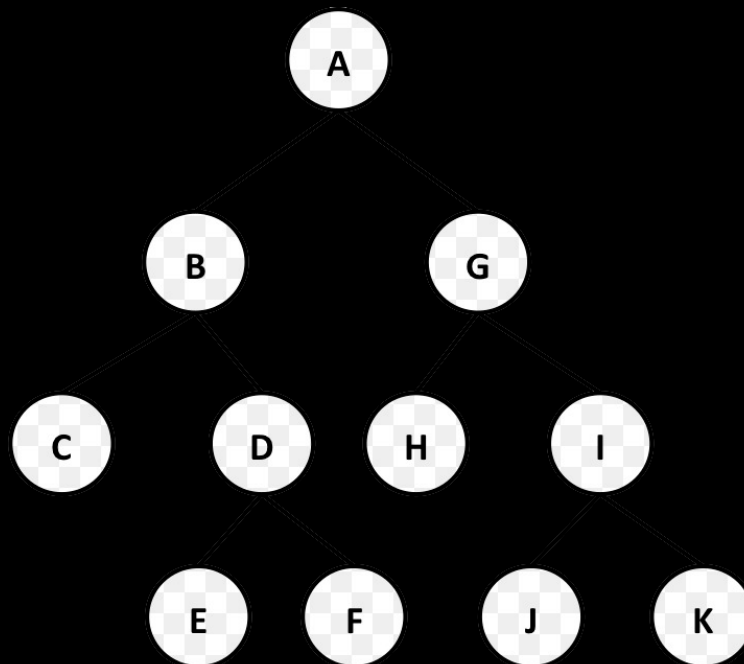
6. Árvore

- Monta a árvore a partir do arquivo
- Lê a árvore em ordem
- Implementa ordenado





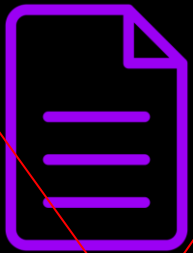
Playlist.txt -
original



Estr. Árvore

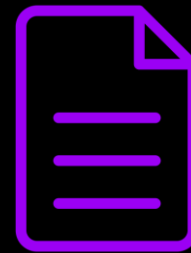


NovaPlaylist.txt



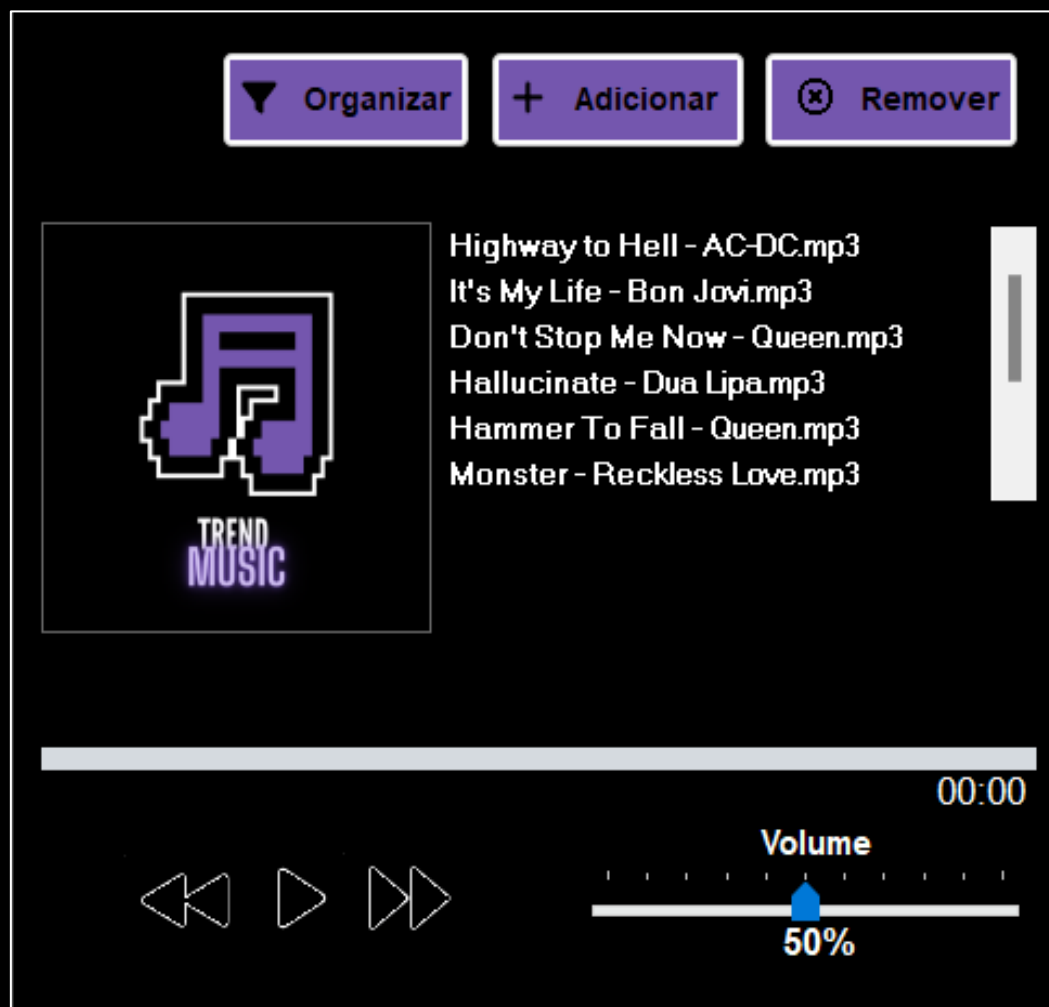
Playlist.txt -
original

Deleta arquivo original

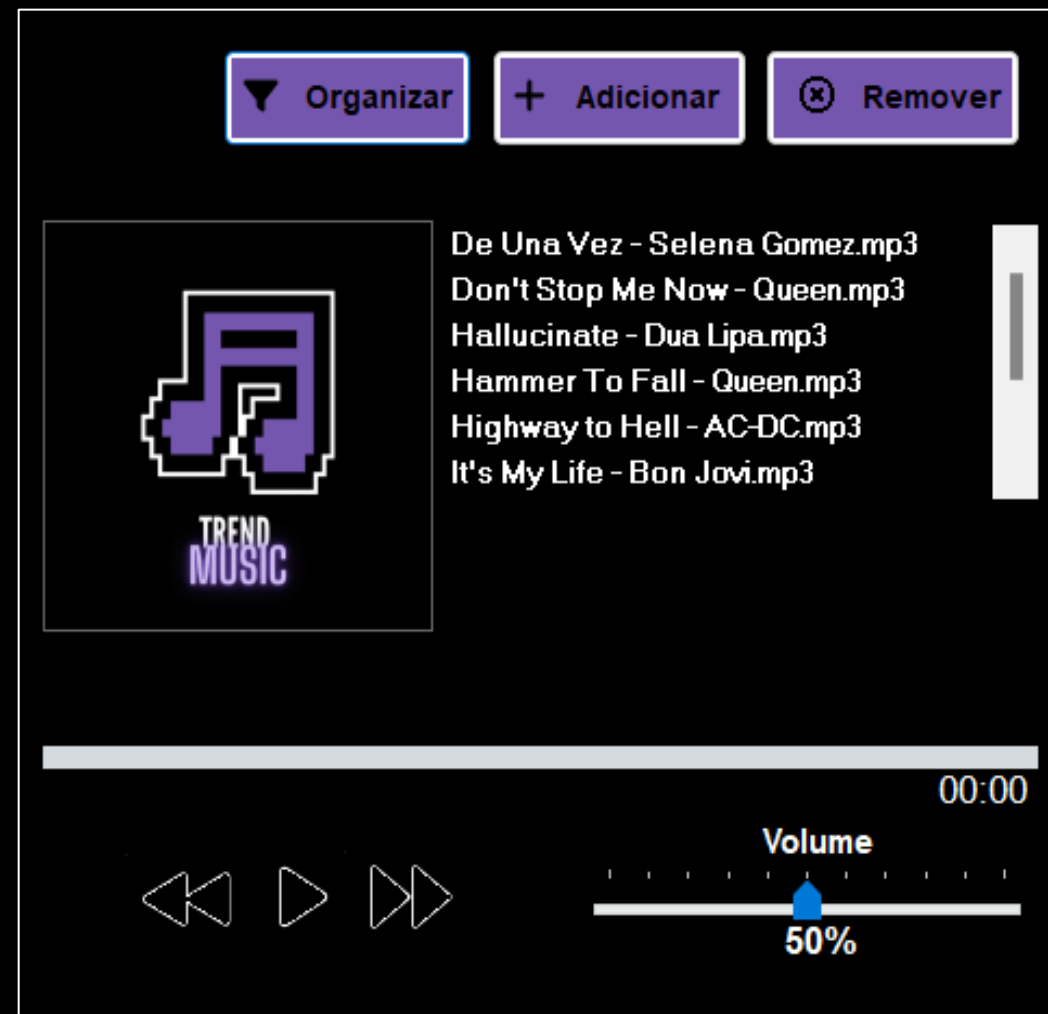


Playlist.txt -
original

**Renomeia o novo
arquivo**



Não ordenado



Ordenado

Execução do programa