

Playlist Management System

Sample Inputs and Outputs

Creating Playlist using Option 1

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 1
Enter playlist name: Playlist1
Playlist created: Playlist1
Jul 27, 2024 6:35:35 PM Exercise1_Design_Patterns.Structural.Composite_Pattern.MediaPlayer main
INFO: Created playlist: Playlist1
```

Adding Song using Option 2

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 2
Enter song name: song1
Enter song artist: xxx
Song added: song1
Jul 27, 2024 6:35:50 PM Exercise1_Design_Patterns.Structural.Composite_Pattern.MediaPlayer main
INFO: Added song: song1 by xxx

Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 2
Enter song name: song2
Enter song artist: yyy
Song added: song2
Jul 27, 2024 6:36:00 PM Exercise1_Design_Patterns.Structural.Composite_Pattern.MediaPlayer main
INFO: Added song: song2 by yyy
```

Find Playlist using Option 4

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 4
Enter playlist name to find: Playlist1
Found playlist:
Playlist: Playlist1
```

Show Current Playlist using Option 5 before going to Directory using Option 4

```
Choose an option: 5
Current Playlist:
Playlist: Root Playlist
- Playlist: Playlist1

- song1 by xxx
- song2 by yyy
- Playlist: playlist2

- song1 by zzz
```

Show Current Playlist using Option 5 after going to Directory using Option 4

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 5
Current Playlist:
Playlist: Playlist1
```

To Play Next Song using Option3

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 3
Playing next song...
No song to play.
Jul 27, 2024 6:36:19 PM Exercise1_Design_Patterns.Structural.Composite_Pattern.Playlist play
INFO: Currently playing: Playlist1
```

Error Handling

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 4
Enter playlist name to find: happy ending
Playlist not found.
```

To Exit from application using Option 6

```
Menu:
1. Create Playlist
2. Add Song
3. Play Next
4. Find Playlist
5. Show Current Playlist
6. Exit
Choose an option: 6
Exiting...
Jul 27, 2024 6:29:20 PM Exercise1_Design_Patterns.Structural.Composite_Pattern.MediaPlayer main
INFO: Exiting the application.
```