

Python Exception Handling - Music Playlist Extension

In this task, you will enhance your music playlist program by incorporating exception handling. This will help you understand how to manage errors effectively and ensure your program runs smoothly even when unexpected issues occur.

Instructions:

1. Understanding Exception Handling:

- Before you begin, research what exception handling is in Python. Look up how to use try, except, and finally blocks, and understand common exceptions you might encounter.
- Resources:
 - <https://www.programiz.com/python-programming/exceptions>
 - <https://www.programiz.com/python-programming/user-defined-exception>

2. Adding Exception Handling to add_song:

- Modify the 'add_song' function to handle exceptions that might occur when adding a song. Ensure it handles cases where invalid data types are passed.

3. Adding Exception Handling to view_playlist:

- Modify the 'view_playlist' function to handle cases where the playlist might be empty.

4. Adding Exception Handling to update_song:

- Modify the 'update_song' function to handle cases where the song title does not exist in the playlist and invalid data types are provided.

5. Adding Exception Handling to delete_song:

- Modify the 'delete_song' function to handle cases where the song title does not exist in the playlist.