Music Navigating Requests

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        class MusicManagementSystem:
def __init__(self):
    self.songs = []

def add_song(self):
    song = {
        "title": input("Enter song title: "),
        "artist": input("Enter song artist: "),
        "genre": input("Enter song genre: "),
        "year": input("Enter song year: ")
    }
    self.songs.append(song)
    print("Song added successfully!")

def update_song(self):
    title = input("Enter title of song to update: ")
    for song in self.songs:
        if song["title"] == title:
            song["title"] = input("Enter new title: ")
            song["artist"] = input("Enter new artist: ")
            song["genre"] = input("Enter new genre: ")
            song["year"] = input("Enter new year: ")
            print("Song updated successfully!")
            return
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        print("Song not found!")

    def delete_song(self):
        title = input("Enter title of song to delete: ")
        for song in self.songs:
            if song["title"] == title:
                self.songs.remove(song)
                print("Song deleted successfully!")
                return
        print("Song not found!")

    def search_song(self):
        keyword = input("Enter keyword to search: ")
        results = [song for song in self.songs if keyword.lower() in (song["title"] + song["artist"] + song["genre"] + song["year"]).lower()]
        if results:
            print("Search results:")
            for song in results:
                print(f"Title: {song['title']}, Artist: {song['artist']}, Genre: {song['genre']}, Year: {song['year']}")
        else:
            print("No results found!")

    def display_songs(self):
        if self.songs:
            print("Song List:")
            for i, song in enumerate(self.songs, start=1):
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            print(f"{i}. Title: {song['title']}, Artist: {song['artist']}, Genre: {song['genre']}, Year: {song['year']}")
        else:
            print("No songs in the library!")


def main():
    music_system = MusicManagementSystem()

    while True:
        print("\nMusic Management System")
        print("1. Add Song")
        print("2. Update Song")
        print("3. Delete Song")
        print("4. Search Song")
        print("5. Display Songs")
        print("6. Exit")

        choice = input("Enter your choice: ")

        if choice == "1":
            music_system.add_song()
        elif choice == "2":
            music_system.update_song()
        elif choice == "3":
            music_system.delete_song()
        elif choice == "4":
            music_system.search_song()
        elif choice == "5":
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            music_system.display_songs()
        elif choice == "6":
            break
        else:
            print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()
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