LAB: Assignment

Andi is looking to create a straightforward program to manage his music playlist. He wants the program to allow him to add new songs, remove ones he no longer wants to hear, and display a complete list of all the songs in the playlist.

1. Create a program in the C language to manage the music playlist utilizing a double linked list.

* Each song should contain information regarding its title, artist's name, and duration (formatted as hh:mm:ss).
* The program should let users add new songs, remove songs by their titles, show all songs in the playlist, and clear the playlist entirely.

1. Implement the following functions:

* **insertSong()**: Add a new song to the playlist.
* **removeSong()**: Remove a song from the playlist based on its title.
* **showPlaylist()**: Display all songs in the playlist with their details.
* **clearPlaylist()**: Remove all songs from the playlist.
* **insertAfter():** Insert a new song after a specific song in the playlist.
* **insertBefore():** Insert a new song before a specific song in the playlist.

Please provide the program code to perform these operations.

Sample Input:

A screenshot of a computer program

Description automatically generated

Output:

A screenshot of a computer program

Description automatically generated