

Lesson 17: Java Programming Activity 1

Title: Spotify Playlist

Lesson: Lambda

Duration: 30 minutes

Instructions: From your L16 Activity 2, let's try to search for an artist name in your playlist and display the songs that are in your playlist.

Project Filename: `<FamilyName>_L17Activity1`

Task 1: In the `Song` class where it has an additional method `getArtist()` where it returns the artist.

Task 2: In the `Playlist` class where it has an additional method `searchSong()` where the lambda expression is implemented to filter the artist's song when an artist's name is being searched. When an artist's name is searched, its list of songs will be displayed.

Output:

```
Welcome to Spotify

Choose an option:
1. Add a song to the playlist
2. Display the playlist
3. Remove a song from the playlist
4. Play next song
5. Search artist
6. Exit

Enter your choice: 2
Playlist:
Red - Taylor Swift
Fireworks - Katy Perry
Stone Cold - Demi Lovato
22 - Taylor Swift

Choose an option:
1. Add song
2. Display playlist
3. Remove a song
4. Search artist
4. Play next song
5. Search artist
6. Exit

Enter your choice: 5
Search for artist: Taylor Swift
Red - Taylor Swift
22 - Taylor Swift
```