

## Revision Thu:

In this revision, you will modify the `Playlist` class as `Playlist_RevThu` by adding a method to the class called `mergePlaylist`. This method takes one playlist, merges it to the current `Playlist_RevThu` object and creates and returns a new, merged playlist. It must also take other constructor variables for creating a playlist such as playlist name, creator and genre.

1. The `mergePlaylist` method takes a playlist object, name of the merged playlist, name of the merged playlist's creator and type of the merged playlist's genre.
2. Extracts songs from two playlists and adds them to the newly created song arraylist to be able to create your new merged playlist.
3. Returns a new merged playlist in the method.
4. Add a new option in the music app menu by creating a new main class named `MusicApp_RevThu`, where the user will input two indexes for the playlists arraylist and select two playlists out of playlists. Create the new merged playlist, remove the old ones which make up the merged playlist and add the merged playlist into the playlists. You have to account for cases where the user might input some numbers which might cause errors.

Here is an example test snippet and output of this functionality. After creating the two playlists, we create a new merged playlist:

```
*****
```

```
1 - Create a new Playlist
2 - Display the Playlist
3 - Sort the Playlist
4 - Remove song by index from the current Playlist
5 - Display all Playlists
6 - Merge playlists by index (Considering there are two or more playlists):
7 - Exit
5
```

All playlists:

```
-----
Playlist Name: playlist1
Creator Name: user1
Genre: Pop Music
-----
```

```
Song Name: song1
Artist Name: artist1
Album Name: album1
Duration: 6:27
Times Played: 123123123
-----
```

```
-----
Playlist Name: playlist2
Creator Name: user2
Genre: Jazz
-----
```

```
Song Name: song2
Artist Name: artist2
Album Name: album2
Duration: 13:57
Times Played: 2233342
-----
```

```
1 - Create a new Playlist
2 - Display the Playlist
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6 - Merge playlists by index (Considering there are two or more playlists):
7 - Exit
```

6

Enter the first playlist to be used in merge:

0

Enter the second playlist to be used in merge:

1

Enter a name for the merged playlist:

mergedPlaylist

Enter a creator name for the merged playlist:

user3

0-Country

1-Electronic

2-Pop Music

3-Rock Music

4-Jazz

Select genre of merged playlist :

3

All playlists:

-----  
Playlist Name: mergedPlaylist

Creator Name: user3

Genre: Rock Music  
-----

Song Name: song1

Artist Name: artist1

Album Name: album1

Duration: 6:27

Times Played: 123123123  
-----

Song Name: song2

Artist Name: artist2

Album Name: album2

Duration: 13:57

Times Played: 2233342  
-----