Music Library

default.js

```
1. //Code will execute when user interacts and presses run.
2.
3. var girls = ["Aespa", "Red Velvet", "TWICE", "VCHA", "New Jeans", "Dreamcatcher", "Black Pink",
4. "Fifty Fifty", "Hwasa"];
5.
6. var concepts = ["Techwear", "Elegant", "Retro", "High School", "Y2K", "Dark", "Crush", "Cute", "Self-Love"];
7.
8. var listeners = ["9.1M monthly listeners", "7.4M monthly listeners", "10M monthly listeners",
9. "556K monthly listeners", "20.3M monthly listeners","1.0M monthly listeners", "18.8M monthly listeners",
10. "14.1 monthly listeners", "4.6M monthly listeners"];
11.
12. var songs =  ["Next Level", "Red Flavor", "What is Love?", "Y.O. Universe", "Hype Boy", "BEcause",
13. "DDU-DU-DDU-DU", "Cupid", "Maria"];
14.
15. /*
16. ABOVE: are the lists required to run through each function. Without this organization, the length of the
17. code will exponentially lengthen and will have more complicated structures that wouldn't have been encountered
18. if done by lists. Each item in the list is aligned other items in the different lists.
19.
20. BELOW: are the empty lists to fill in the user's desired k-pop groups + songs when they want to add
21. the specific items in. The items are added by the list.push to add them into the empty list.
22. */
23.
24. var groupChoices = [];
25. var songChoices = [];
26.
27. var conceptPick;
28. var goAgain;
29. var listenerPick;
30. var girlsConcept;
31. var girlSongs;
32.
33. function start(){
34.     println("Welcome to the k-pop girl group generator!");
35.     askUserFilter();
36.     finalResults();
37. }
38.
39. /*
40. function's purpose: to print both of the lists from what the user decided to add into
41. their suggestions. If there aren't any items in the list, it will print that the user
42. hasn't picked anything in that specific list yet.
43.
44. done by: partner 1
45. */
46.
47. function finalResults(){
48.     if(songChoices.length>0){
49.         println("Here's the list of k-pop girl song(s) you chose: " + songChoices);
50.     }else{
51.         println("You have no list for k-pop song(s) because you haven't picked any yet!");
52.     }
53.     if(groupChoices.length>0){
54.         println("Here's the list of k-pop girl group(s) you chose: " + groupChoices);
55.     }else{
56.         println("You have no list for k-pop group(s) because you haven't picked any yet!");
57.     }
58. }
59.
60. /*
61. this function asks the user how they want to filter their music generator by concepts or monthly
62. listeners (from Spotify). The user picks a choice and whatever aligns with the number chosen
63. will go through which function is true. This is an explicit choice the user must execute.
64. */
65.
66. function askUserFilter(){
67.         var pick = readInt("Would you like to filter through concepts(press 1) or monthly listeners(press 2)? ");
68.         conceptChoice(pick);
69.         popularityChoice(pick);
```

```
        while(goAgain==true){
        askUserFilter();
        if(goAgain==false){
            break;
        }
    }
}

/*
function's purpose: if the user chose 1, this function runs through and asks the user
what type of concept they like. After choosing one, it suggests a k-pop group
following that concept and asking them if they would want that group added to their list.
Finally, the function asks if the user wants to go again. If yes, the ask filter runs
through; if no, all done!

done by: partner 2
*/

function conceptChoice(pick){
        if(pick == 1){
        println("Here's the list of concepts: " +  concepts);
        println("");
        conceptPick = readLine("What concept would you like to pick? ");
            if(concepts.indexOf(conceptPick) >= 0){
                var i = concepts.indexOf(conceptPick);
                println("You chose the concept: " + conceptPick);
                println("You should listen to: " + girls[i]);
                girlsConcept = readBoolean("Would you like to add this girl group to your suggested list? ");
                if(girlsConcept==true){
                    groupChoices.push(girls[i]);
                }
            }else{
                println("You typed something wrong! Try again!");
            }
            println("");
            goAgain = readBoolean("Would you like to go again? ");
        }
}

/*
function's purpose: if the user choose 2, this function runs through and lists the
monthly listener count per k-pop group. After viewing the list, the user is asked
what group they would like to listen to and if they would like to add it to their
list. Finally, the function asks if the user wants to go again. If yes, the ask
filter runs through; if no, all done!

done by: partner 1
*/

function popularityChoice(pick){
        if(pick == 2){
            println("");
            println("Below is the list of each artist's monthly listeners: ");
            for(var i = 0; i < 9; i++){
                println(girls[i] + " -> " + listeners[i]);
            }
            println("");
            listenerPick = readLine("Which artist would you like to listen to? ");
            if(girls.indexOf(listenerPick) >= 0){
                var i = girls.indexOf(listenerPick);
                println("You chose the music artist: " + listenerPick);
                println("You should listen to their hit song: " + songs[i]);
                girlSongs = readBoolean("Would you like to add this k-pop artist's song in your list? ");
                if(girlSongs == true){
                    songChoices.push(songs[i]);
                }
            }else{
                println("You typed something wrong! Try again!");
            }
            goAgain = readBoolean("Would you like to go again? ");
        }
}
```